Duke Realty Foundry LP
7825 San Leandro Street
Oakland, California 94621

October 8, 2024

Ms. Dilan Roe
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: AB&I Redevelopment – Acknowledgement Statement
7825 San Leandro Street
Oakland, California 94621
ACEHD Case No. RO0003535

Dear Ms. Roe:

Duke Realty Foundry LP has retained the environmental consultant referenced on the attached *Data Gap Investigation Report,* dated October 8, 2024, for the project referenced above. The attached report is being submitted on behalf of Duke Realty Foundry LP.

I have read and acknowledge the content, recommendations, and/or conclusions contained in the attached document or report submitted on my behalf to ACEHD's FTP server and the State Water Resources Control Board GeoTracker website.

Sincerely,

Gavin Polite Fisco
Director, Global Environmental & Engineering Services
Duke Realty Foundry LP

cc: Blair Rushing, Duke Realty Foundry LP
Andrew York, Alameda County Environmental Health Department
Joshua Osborne, PG, Roux Associates, Inc.
Richard Maxwell, Roux Associates, Inc.

Data Gap Investigation Report

AB&I Redevelopment
7825 San Leandro Street
Oakland, California
Alameda County LOP Case No. RO0003535

October 8, 2024

Prepared for:

Duke Realty Foundry LP
(Prologis)

Prepared by:

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Certification

Data Gap Investigation Report

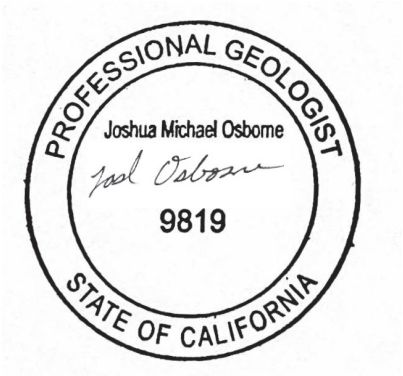
7825 San Leandro Street
Oakland, California

October 8, 2024
Project Number 1793.0030S000

This Data Gap Investigation Report was prepared by Roux Associates, Inc., under the professional supervision of Joshua Osborne, PG. The specifications and/or professional opinions presented in this study were prepared in accordance with generally accepted professional practice, and within the scope of the project. There is no other warranty, either expressed or implied.

Richard Maxwell
Principal Geologist/
Operations Manger

Joshua Osborne, P.G.
Senior Geologist I



1 Introduction

On behalf of Duke Realty Foundry LP (Prologis), Roux Associates, Inc. (Roux) has prepared this *Data Gap Investigation Report* (Report) summarizing the activities of a Data Gap Investigation (DGI) for the proposed redevelopment at the former American Brass & Iron (AB&I) Foundry Site located at 7825 San Leandro Street in Oakland, California (Site; Figure 1).

The Alameda County Environmental Health Department (ACEHD) Local Oversight Program (LOP) for Hazardous Materials Releases is the lead regulatory agency for the Site. Environmental investigations and clean-up actions at the Site are performed by Prologis under the oversight of ACEHD's Site Clean-up Program (SCP), with GeoTracker Global ID T10000019792 and ACEHD Case Number RO0003535.

The DGI was conducted in general accordance with the *Revised Site Conceptual Model and Data Gap Investigation Work Plan* (Work Plan) dated May 13, 2024, prepared by Roux on behalf of Prologis (Roux, 2024c). The Work Plan was approved by ACEHD and presented to the public by ACEHD during a public meeting on May 13, 2024. The scope of work proposed in the Work Plan included:

1. Delineate volatile organic compounds (VOCs) previously detected in passive soil vapor samples at the Site;
2. Assess benzene in soil vapor in three distinct areas at the Site;
3. Assess VOCs in soil vapor and bioattenuation potential by installing and sampling soil vapor probes;
4. Analyze the extent of potential vapor intrusion risk from soil vapor beneath the Site; and,
5. Assess concentrations of compounds in shallow soil across the Site and within proposed utility corridors and bio-swales.

The scope of work was discussed between Roux, Prologis, Craig Communications, and the ACEHD on October 17, 2023, March 7, 2024, March 25, 2024, April 19, 2024, April 23, 2024, and May 9, 2024. The Work Plan was prepared to address ACEHD's comments related to the 2023 Passive Soil Gas and Groundwater Investigation (2023 Investigation) conducted by Roux and the proposed scope of work presented in the *Conceptual Supplemental Subsurface Investigation Memorandum* dated October 16, 2023 (Roux, 2023a).

2 Background

2.1 Site Location and Description

The Site consists of the former AB&I Foundry located at 7741, 7825, and 7929 San Leandro Street in Oakland, California (Figure 1). For simplicity and consistency with regulatory communication, 7825 San Leandro Street is used to reference the location henceforth. The Site consists of approximately 14.5 acres in a mixed commercial/industrial land use area. The Site was previously developed with a two-story office building, multiple warehouses, a foundry and manufacturing building, a material storage area, and a parking lot. Demolition of all aboveground/vertical structures was completed in November 2023 by Prologis as part of the planned redevelopment. Currently, the Site is covered with concrete and asphalt/concrete pavement with a small portion of soil along the southwestern edge of the Site (Figure 2).

The Site is bounded by commercial/industrial properties on all sides. San Leandro Street and a raised segment of the Bay Area Rapid Transit rail is located to the northeast, SF Oakland Truck Stop to the southeast, a Union Pacific Railroad is located to the southwest, Elmhurst Creek along the southern property corner, and Hegenberger Road to the northwest. San Leandro Bay is located approximately one mile to the west. The nearest residential areas are located approximately 1,100 feet northeast of the Site.

2.2 Site History

The former Site owner and operator (AB&I) operated at the Site as a foundry from at least 1940 until October 2022. During foundry operations, the Site was utilized for the manufacture of metal pipe and pipe fittings. Operations at the Site included the production of cast iron for the manufacturing of fittings and pipe from recycled scrap iron, pig iron, and steel, which it accepted and stockpiled on-Site. Major operations involved scrap metal melting, mold making, fitting and pipe casting, and final finishing and coating of pipes and fittings (AB&I, 2011a). AB&I ceased foundry operations in October 2022 and vacated the Site in April 2023.

2.3 Site Geology and Hydrogeology

2.3.1 Site Geology

The Site is a flat parcel ranging in elevation between 11.5 and 14.5 feet (ft).[1] As discussed above, the Site is located approximately one mile east of San Leandro Bay and is bounded to the south by Elmhurst Creek. The Arroyo Viejo Creek lies to the northwest of the Site across Hegenberger Road. The Site is within an area identified as the East Bay Plain. The East Bay Plain is situated on the east side of the San Francisco Bay depression. The alluvial sediments of the East Bay Plain consist of a mixture of gravel, sand, and clay deposited by coalescing alluvial fans. Alluvial and estuarine deposits have been mapped near the Site (Helley, et. al., 1979). The fluvial deposits are described as “unconsolidated, moderately sorted, fine sand and silt, with clayey-silt and occasional thin beds of coarse sand” (Muir, K.S., 1993). The near-shore deposits are described as “a well-sorted, fine to medium grained sand and silt, with lenses of sandy clay and clay” (AB&I, 2010a). A geologic map prepared by Graymer (2000) depicts Holocene basin deposits and natural levee deposits across the Site (Figure 3). Graymer describes the natural levee deposits as, “loose, moderately-sorted to well-sorted sandy or clayey silt grading to sandy or silty clay.” The basin deposits are

[1] All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

described as, “very fine silty-clay to clay deposits occupying flat-floored basins at the distal edge of alluvial fans adjacent to the bay mud” (Graymer, 2000).

Borings advanced by others at the Site between 1993 and 2024 have extended to an approximate depth of 101 feet below ground surface (bgs). Soils encountered in the unsaturated zone beneath the Site are predominantly fill material (well-graded sand), while soils encountered in the saturated zone are dominated by lean/fat clay with interfingered lenses of mixtures that include sand, silt, clay, and gravel, to the maximum depth explored. Boring logs completed by Roux and others indicate that lean and fat clays dominate the lithology below the Site with lesser amounts of gravel, sand, and silt. Geologic cross sections of historical borings and borings advanced during this DGI are included in Appendix A.

2.3.2 Site Hydrogeology

Regional groundwater flow in the vicinity of the Site is interpreted to be toward the west, toward San Leandro Bay. Regional groundwater flow appears to be influenced by the regional and local geologic sedimentary framework of hydraulically conductive natural levee deposits trending east to west in the eastern, western, and southern quadrants of the Site, and finer-grained basin deposits in the northern quadrant of the Site (Figure 3).

Historical shallow groundwater conditions are observed at the Site with water elevations in existing monitoring wells ranging between 4.13 and 8.29 feet above mean sea level (North American Vertical Datum 1988 [NAVD 88]), as of March 2024. The groundwater gradient at the Site appears to be influenced by the regional and local geologic sedimentary framework of the Site. The overall flow direction of groundwater at the Site historically averages as flowing to the northwest, with a southerly component in the northern portion of the Site. Historical groundwater monitoring data indicated that groundwater generally flowed to the northwest at a hydraulic gradient of approximately 0.006 feet per foot (ft/ft) (AB&I, 2010a).

The alluvial and estuarine deposits at the Site described in Section 2.3.1 result in a hydrogeologic regime consisting of lenses of high- and low-conductivity soil. Based on field observations during previous investigation at the Site (discussed in detail below in Section 2.4), this hydrogeological regime results in multiple water-bearing zones with discontinuous units of fine (clay and silt) and coarse (sand and gravel) units.

Although groundwater in the East Bay Plain is generally considered a potential future source of drinking water, there are no permitted drinking water wells within one mile of the Site, nor is the shallow groundwater in this area likely to be used as a public drinking water source in the foreseeable future (AB&I, 2008a). Additionally, groundwater monitoring activities from permanent wells at the Site have identified total dissolved solids in groundwater above 1,000 milligrams per liter (mg/L), exceeding California State Water Resources Control Board Secondary Maximum Contaminant Levels (MLCs) for TDS of 1,000 mg/L.

2.4 Previous Environmental Activities

A summary of previous environmental investigation activities and associated results are provided below.

2.4.1 Leaking Underground Storage Tank Removals

Seven underground storage tanks (USTs) were previously located on the Site, including:

- One 8,000-gallon UST used for storing unleaded gasoline;

- One 8,000-gallon UST used for the storage of mineral spirits, and later 1,1,1-trichloroethane (1,1,1-TCA);
- One 550-gallon UST used for storing regular leaded gasoline;
- One 10,000-gallon UST used for storing diesel; and
- Three 10,000-gallon USTs used for storing gasoline.

All USTs noted above were removed from the Site between 1982 and the early 1990s. The ACEHD provided regulatory oversight of the Leaking Underground Storage Tank (LUST) case (RO0000092) and closed the case in November 2011 with a covenant and environmental restriction that limits future land use to industrial purposes (AB&I, 2010a; AB&I, 2011a). The locations of the historical USTs are shown on Figure 2.

2.4.2 Soil and Groundwater Assessment – 2006

In July/August 2006, an assessment of soil and groundwater was conducted as part of a property transfer. The assessment consisted of sampling three monitoring wells (MW-1, MW-3, and MW-4); abandoning damaged well MW-2; and installing and sampling six new groundwater monitoring wells (MW-2R, and MW-5 through MW-9). Soil samples were collected at various depth intervals during the installation of monitoring wells MW-5 through MW-8. Results of the assessment were presented in the *Preliminary Groundwater Investigation Report,* dated June 11, 2007, prepared by BSK Associates, Inc (BSK), on behalf of AB&I. The results indicated that at least one compound in five of the nine wells had concentrations that exceeded their respective United States Environmental Protection Agency (USEPA) maximum contaminant level (MCL) or San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening level (ESL) for groundwater, impacting a current or potential source of drinking water (BSK, 2007).

2.4.3 Groundwater and Soil Vapor Investigations – 2007 to 2010

On behalf of AB&I, the Source Group, Inc. (SGI) conducted additional soil, groundwater, and soil vapor investigations in 2007, 2008, 2009, and 2010. The results of these investigations indicated that groundwater near the parking lot area (located in the vicinity and northwest of former well MW-8; Figure 2) contained VOCs, including 1,1,1-TCA; 1,1-dichloroethane; 1,1-dichloroethene (1,1-DCE); chloroethane; cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene; and vinyl chloride. Groundwater near the former three 10,000-gallon USTs (located in the vicinity of former well MW-9) contained petroleum hydrocarbons, including benzene; toluene; ethylbenzene; and xylenes (BTEX), total petroleum hydrocarbons (TPH) as gasoline (TPH-g), and TPH as diesel (TPH-d) (AB&I, 2008a; AB&I, 2008b; AB&I, 2008c; AB&I, 2009a; AB&I, 2009b; AB&I, 2009c; AB&I, 2009d; AB&I, 2010a; AB&I, 2010b).

Results of the soil vapor analysis indicated that benzene, ethylbenzene, vinyl chloride, and tetrachloroethene (PCE) were detected at concentrations exceeding 2007 RWQCB ESLs[2] under the commercial/industrial land use scenario. SGI conducted a site-specific risk assessment, which concluded that the risks posed by soil vapor concentrations were acceptable, and no further action was recommended (AB&I, 2009b). The ACEHD concurred with the report conclusions in a letter dated May 20, 2009 (ACEHD, 2009).

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[2] Soil vapor results were compared to ESLs issued by the RWQCB entitled *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final – November 2007*, updated May 2008.

2.4.4 In-Situ Remediation – 2009

In June 2009, in-situ remediation was implemented to enhance the degradation of VOCs and petroleum hydrocarbons in groundwater in two areas of the Site. Injections of emulsified oil substrate were performed beneath the parking lot area (near former wells MW-3 and MW-8) to enhance anaerobic biodegradation, and injections of Oxygen Releasing Compound/Regenox were performed near the former three 10,000-gallon USTs (near former well MW-9) to enhance aerobic biodegradation.

Groundwater monitoring was performed between 2009 and 2010 to track the progress of bioremediation in the subsurface (AB&I, 2009c; AB&I, 2009d; AB&I, 2010a; AB&I, 2010b). In a letter dated March 2, 2010, the ACEHD indicated that no further active remediation was required at that time related to groundwater at the Site (ACEHD, 2010).

2.4.5 Request for Site Closure – 2011

On behalf of AB&I, SGI prepared a semi-annual report that described the results of first and second quarter 2010 groundwater monitoring activities, and formally requested Site closure. The closure request concluded that known UST sources had been removed from the Site, soil vapor impacts were low and did not warrant remediation or monitoring, and groundwater concentrations of VOCs and petroleum hydrocarbons were stable or had declined. As such, AB&I proposed preparation of a risk management plan and deed restriction (AB&I, 2010a). In a letter dated April 28, 2011, the ACEHD accepted the proposed course of action and requested submittal of a deed restriction and Site Management Plan (ACEHD, 2011).

2.4.6 Well Decommissioning Report – 2011

On October 11, 2011, nine monitoring wells (MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9) located on the Site were destroyed via tremie grout method in accordance with Alameda County Public Works Agency (ACPWA) requirements. The necessary well destruction permits were obtained, and all well destruction activities were performed under the oversight of SGI and the ACPWA. As required by the California Department of Water Resources, well destruction reports were completed following the destruction of the monitoring wells (AB&I, 2011b).

2.4.7 Phase I Environmental Assessment and Limited Phase II Investigation – 2022

As part of the pre-acquisition due diligence process, Haley & Aldrich, Inc. (H&A) completed a Phase I Environmental Site Assessment (Phase I ESA) at the Site, dated April 2022 (H&A, 2022a). The Phase I ESA identified several recognized environmental conditions, which H&A subsequently investigated during a limited Phase II Environmental Investigation (2022 Phase II investigation), dated May 2022 (H&A, 2022b). The 2022 Phase II investigation included the advancement of four soil borings (E-2, E-4, E-5, and E-6; Figure 2) for collection of soil, soil vapor, and groundwater samples, and collection and analysis of eight soil samples, two groundwater samples, and two soil vapor samples.

Soil sample analytical results indicated that shallow soil near borings E-4, E-5, and E-6 contained benzene above 2019 RWQCB Commercial/Industrial Soil ESLs (RWQCB, 2019). Arsenic was detected below the background arsenic concentrations for the San Francisco Bay region (Duvergé, 2011).

The following compounds were detected in soil vapor in exceedance of their respective Commercial/Industrial Direct Exposure ESLs:

- Chloroform (E-2) – 21 micrograms per cubic meter ($\mu g/m^3$);

- Benzene (E-4) – 11,000 µg/m^3;
- Ethylbenzene (E-4) – 2,600 µg/m^3;
- Trichloroethene (TCE) (E-4) – 740 µg/m^3;
- Vinyl chloride (E-4) – 63 µg/m^3; and
- TPH-g (E-4) – 820,000 µg/m^3.

Vinyl chloride was also detected in groundwater at concentrations exceeding its Commercial/Industrial ESL of 0.14 micrograms per liter (µg/L) for groundwater vapor intrusion human health risk (boring E-2, 8.87 µg/L); however, vinyl chloride was not detected in soil vapor sample E-2, which was collected from the same boring as the groundwater sample.

2.4.8 Passive Soil Gas and Groundwater Investigation – 2023

Between July 24 and August 9, 2023, Roux conducted the 2023 Investigation at the Site to evaluate whether potential Site contaminants are present in Site soil vapor and groundwater at concentrations that may require mitigation or remediation.

To evaluate Site-wide soil vapor and groundwater, Roux installed 64 passive soil vapor samplers on a grid system across the Site and eight groundwater monitoring wells (MW-10 through MW-17) along the perimeter of the Site. The passive soil vapor samplers were installed at a depth of approximately 1-foot bgs. During groundwater well installation activities, soil samples were also collected from varying discrete depths from each boring. The groundwater monitoring well and passive soil vapor sampling locations are shown in Figure 2.

The passive soil vapor results indicated that PCE, TCE, benzene, and 1,4-dioxane were present at concentrations exceeding their respective RWQCB Commercial/Industrial ESLs. Heat maps of passive soil vapor results provided by Beacon Environmental (Beacon) are included in Appendix B.

The groundwater results indicated that metals (arsenic, barium, chromium, cobalt, lead, and nickel) were detected at concentrations exceeding their respective California MCLs in two or more wells. No other analytes, including pesticides and polychlorinated biphenyls (PCBs), were detected in groundwater above their respective California MCLs or RWQCB Commercial/Industrial ESLs.

The soil results indicated that arsenic, lead, and TPH-d were detected at concentrations exceeding their respective RWQCB Commercial/Industrial ESLs. Further details are available in the Passive Soil Gas and Groundwater Investigation Report (Roux, 2023b).

2.4.9 Quarterly Groundwater Monitoring – 2023 to 2024

Quarterly groundwater monitoring of wells MW-10 through MW-17 has been conducted at the Site since the fourth quarter of 2023. The eight groundwater monitoring wells (MW-10 through MW-17) were gauged, purged, and sampled according to low-flow sampling methodologies in November 2023, January 2024, April 2024, and July 2024 (Roux, 2023b; Roux, 2024a; Roux, 2024b; Roux, 2024d; Roux, 2024e). Groundwater flow direction, calculated hydraulic gradient, and groundwater quality conditions underlying the Site were assessed during each quarterly monitoring event. A groundwater elevation contour map from the Third Quarter 2024 is provided in Figure 4.

Groundwater monitoring analytical data collected over the past three quarterly groundwater monitoring events indicate that concentrations of VOCs, TPHs, and metals are generally consistent from quarter to quarter, indicating that groundwater conditions at the Site are relatively stable. Since commencing quarterly groundwater monitoring at the Site, the following constituents have been identified exceeding their respective screening criteria:

- Arsenic (maximum of 13 µg/L detected in well MW-13);
- Cobalt (maximum of 8.0 µg/L detected in well MW-17);
- Lead (maximum of 18 µg/L detected in well MW-16);
- TPH-g (maximum of 1,300 µg/L detected in well MW-11);
- TPH-d (maximum of 530 µg/L detected in well MW-16);
- 1,1-DCE (maximum of 360 µg/L detected in well MW-12);
- 1,2-Dichloroethane (1,2-DCA) (maximum of 0.9 µg/L detected in well MW-11);
- Methyl-tert butyl ether (MTBE) (maximum of 6.1 µg/L detected in well MW-15); and
- Vinyl chloride (maximum of 5.6 µg/L detected in well MW-12).

Groundwater monitoring data from the three quarterly events indicates that concentrations for VOCs, TPHs, and metals are consistent with or lower than concentrations detected during the 2006 July/August investigation (BSK, 2007) and the 2023 Investigation.

2.4.10 Langan Geotechnical Investigation – 2024

In May 2024, Langan prepared a work plan to implement a Supplemental Geotechnical Exploring Program at the Site (Langan, 2024). Langan implemented the Supplemental Geotechnical Exploration Program in June 2024 to supplement available geotechnical information with additional geotechnical data in locations that were previously inaccessible prior to the demolition of the above-grade structures at the Site. Langan advanced 11 cone penetration test (CPT) borings (LC-1 through LC-11) across the Site, as shown on Figure 2. The CPT data collected during this geotechnical investigation is provided in Appendix C and has been incorporated into the updated geologic cross sections presented in Appendix A.

2.5 Proposed Site Redevelopment

Prologis intends to redevelop the Site with the construction of an approximately 320,000-square-foot warehouse building and associated parking lot. Utility corridors throughout the Site will provide access for underground utilities to the proposed warehouse. Bio-swales along the perimeter of the Site are also proposed for construction during redevelopment activities. The proposed warehouse building footprint, utility corridor, and bio-swales are shown in Figure 5.

2.6 Contaminants of Potential Concern

Based on historical and nearby Site operations, as well as analytical data associated with investigation activities, the following contaminants of potential concern (COPCs) have been identified for the Site. The table below lists the COPCs associated with the Site, as well as their potential source(s).

COPC	Potential Source(s)
Metals (arsenic, barium, beryllium, cadmium, chromium, copper, nickel, lead, and zinc) in soil and/or groundwater	Historical use of the Site as a foundry and former residential dwellings and other buildings present on the Site since 1925.
TPH-g, TPH-d, benzene, ethylbenzene, naphthalene, and toluene, in soil and/or groundwater; TPH-g, benzene, ethylbenzene, naphthalene, and toluene in soil vapor, possibly posing a vapor intrusion risk	Historical industrial use of the Site as a foundry and petroleum hydrocarbons stored/released near the former USTs, fuel dispensers, aboveground storage tanks (ASTs), and storage facility and yard areas.
VOCs, including 1,1-dichloroethane, 1,1-DCE, cis-1,2-DCE, PCE, TCE, and vinyl chloride, in soil gas and/or groundwater possibly posing a vapor intrusion risk	Historical industrial use of the Site as a foundry and VOC-containing chemicals stored/released near the former USTs, ASTs, wastewater treatment plant, and special finishing storage facility.

2.7 DGI Scope of Work

As listed in Section 1, the scope of the DGI intended to: 1) delineate VOCs in soil vapor from additional step-out passive soil vapor sample locations; 2) confirm previously detected VOCs in passive soil vapor samples by installing and sampling permanent soil vapor probes at the Site; 3) assess VOC concentrations in soil vapor and bioattenuation potential by installing and sampling permanent soil vapor probes; 4) interpret the potential vapor intrusion risk extent from soil vapor beneath the Site; and 5) assess COPC concentrations in shallow soil from across the Site and within proposed utility corridors and bio-swales.

The scope of work of this DGI included the following:

- Advancement of 57 borings for the collection of soil and grab groundwater samples to a maximum depth of 35 feet bgs;
- Installation and sampling of 22 permanent active soil vapor probes;
- Collection of passive soil vapor samples at 16 locations.

The soil and grab groundwater sampling locations are shown on Figure 5, and the active soil vapor probe and passive soil vapor sampling locations are shown on Figure 6.

3 Pre-Field Activities

This section provides details regarding pre-field activities in accordance with the approved Work Plan at the Site.

3.1 Health and Safety Plan

Roux prepared a Site-specific Health and Safety Plan (HASP) to provide guidelines to all Site workers and visitors during fieldwork. The HASP was always kept on Site when fieldwork occurred. The HASP was reviewed daily and was signed by all Site workers prior to commencing work.

3.2 Permits

Prior to initiating subsurface investigations, Roux obtained permits for all borings from the ACPWA. Permit numbers W2024-0329 and W2024-0330 were approved on May 17, 2024, and are presented in Appendix D.

3.3 Sample Grid and Sample Identification Nomenclature

As part of the Work Plan development and pre-field planning activities in anticipation of implementation of this DGI, Roux subdivided the Site into a 150-foot by 150-foot grid to characterize near-surface soil across the Site, as shown on Figure 5. The grid consisted of three rows numbered 1 through 4 and nine columns lettered A through I.

3.3.1 Soil Boring Location Identification Nomenclature

To indicate the intended purpose of each soil boring within the grid, Roux identified each boring type with a descriptive prefix. The following prefixes were used to identify different boring types:

- “G” – soil boring intended to provide Site-wide grid coverage;
- “UC” – soil borings located in the planned utility corridor;
- “BS” – soil borings located on the planned bio-swales.

Some soil boring locations had more than one intended purpose, and in those instances, a combined prefix of “G/UC” or “G/BS” was assigned. Following the boring prefix, the grid letter and number were then identified (i.e., A1 for a soil boring in cell A1). Finally, the boring was assigned a sequential number to help identify when multiple borings of the same purpose were located within the same grid cell. For example, in grid cell B4, two utility corridor samples were proposed. One of those locations also represented a Site-wide grid sampling location and therefore includes a combined prefix. The following nomenclature was utilized for the two B4 utility corridor borings:

- G/UC-B4-1: representing a soil boring intended for Site-wide grid coverage and utility corridor exploration in grid cell B4; and,
- UC-B4-2: representing a second utility corridor exploration soil boring within grid cell B4.

3.3.2 Soil Sample Identification Nomenclature

Discrete soil samples collected within each soil boring were identified by adding the sample depth to the end of the sample ID. The sample depth represented the deepest portion of the sample interval collected. For

example, a soil boring collected from boring location G-A1-1 between 0.5 and 1 foot bgs was given the following sample ID:

- G-A1-1-1.0

It should be noted that the sampling depth nomenclature was subsequently removed from the sample ID during tabulation of the data set. The sample depth is instead indicated in a separate row associated with the sample location.

3.3.3 Groundwater Boring and Sample Identification Nomenclature

Boring locations where groundwater samples were proposed followed a separate naming convention. Groundwater sampling locations were identified by the following prefixes:

- "GW" – groundwater sampling location targeting areas of previously detected COPCs in the subsurface; and,
- "P" – groundwater sampling locations targeting subgrade pits that were identified following demolition of the above-grade structures at the Site.

Some groundwater sampling borings were combined with soil sampling borings within the same borehole. At these locations, the groundwater sampling nomenclature was added to the end of the soil boring nomenclature. Additionally, at the "GW" sampling locations, multiple water-bearing depths were targeted during the investigation. First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification of aquicludes (i.e., low permeability silts and clays) separating saturated material. Samples collected from the first encountered water-bearing zone were given a "-1" at the end of the sample ID and a "-2" for samples collected from the second encountered water-bearing zone.

It should be noted that "P" groundwater sample IDs do not contain a "-1" indicating the samples were all collected from the first encountered water-bearing zone.

3.3.4 Soil Vapor Sample Identification Nomenclature

Active soil vapor probe sampling locations that where installed at locations corresponding to previous passive soil vapor sample locations, began with the prefix "SVP" to denote the active soil vapor sample to be collected from a permanent active soil vapor probe, followed by the previous passive soil vapor sample location number, and then followed by the depth the soil vapor probe was installed. For example, the active soil vapor probe installed at the previous passive soil vapor sample location PSG-41 at 5 feet bgs was identified as "SVP-41-5".

Step-out passive soil vapor sample locations began with the prefix "PSG" to denote the passive soil vapor sample to be collected from the passive soil vapor sample location. Four passive soil vapor sample locations were installed in a 25- by 25-foot grid centered around the previously investigated passive soil vapor sample locations and were identified ending in "A" through "D". For example, the step-out passive soil vapor sampling locations surrounding the previous passive soil vapor probe, PSG-41, were identified as "PSG-41A", "PSG-41B", "PSG-41C", and "PSG-41D".

4 Investigation Field Activities

This section describes the implementation of field activities in accordance with the approved Work Plan. Field DGI activities were completed between May 15 and June 4, 2024.

4.1 Surveying

Roux contracted with Cal Vada Surveying Inc. (Cal Vada), a California State-registered surveyor, to measure the horizontal coordinates and vertical elevation of all proposed boring locations, in accordance with State of California requirements. On May 15 and 16, 2024, Cal Vada, under the oversight of Roux, surveyed all proposed sample locations. A Site plan with the survey data of each sample location is provided in Appendix E.

4.2 Utility Location and Borehole Clearance

Roux contacted Underground Service Alert of Northern California and Nevada (USA North 811) 48 hours prior to subsurface activities and submitted a USA Ticket (Ticket #2024051302814) to notify utility operators of the planned work and to request the marking of nearby utilities (i.e., natural gas, electric, water, sewer, telephone, fiber optic, etc.). Additionally, Roux contracted with two private geophysical services and utility locating firms, Subtronic Corporation (Subtronic) and Ground Penetrating Radar Services (GPRS), to evaluate the proposed boring locations and mark out existing subsurface utility lines to mitigate the risk of potentially damaging subsurface utilities at the Site.

On May 15, 16, 17, and 20, 2024, Subtronic and/or GPRS cleared the proposed boring locations of subsurface utilities under the oversight of Roux.

4.3 Boring Advancement

Between May 15 and June 4, 2024, Cascade Drilling (Cascade), under the oversight of Roux, advanced a total of 70 borings for the collection of soil, groundwater, and soil vapor samples (Figure 5 and 6). All borings were advanced from the ground surface using direct push technology (DPT). The depth of the borings varied from 5 feet bgs to a maximum depth of 35 feet bgs. Cascade used a star drill bit to penetrate the concrete and/or asphalt surfaces at each boring location. Dual tube DPT drill rods with Macro-core acetate liners were utilized for soil and groundwater sample collection. The dual tube DPT method minimizes cross contamination between water-bearing zones as soil is removed from the inner liner while the outer casing remains at depth until immediately prior to groundwater sample collection.

Soil was logged by a Roux field geologist under the oversight of a California licensed Professional Geologist in accordance with the Unified Soil Classification System (USCS). Headspace measurements for organic vapors in soil were then collected from the sealed bags in the field using a photo-ionization detector (PID). Soil from each sample interval (or approximately every 2 feet) was placed in a sealable plastic bag, the bag was sealed, and the soil broken up to allow for volatilization of organics within the soil. A detailed field boring log of each boring was prepared noting soil type, soil color, groundwater depth, moisture, (density, stiffness, and plasticity, as applicable), and PID headspace readings. Boring logs are included in Appendix F.

Borings proposed for the collection of groundwater at the locations identified as “GW-” were advanced to the observed depth of first and second encountered water-bearing zones based on observations of soil saturation and aquicludes separating saturated soil units while drilling. Each “GW-” location consisted of co-located

borings targeting the two water-bearing zones to minimize cross-contamination during sample collection. At each suspected water-bearing zone, the presence of sufficient groundwater for sampling was assessed by lifting the drill casing above the suspected groundwater zone and monitoring the groundwater recharge within the drill casing. Once it was determined that the targeted water-bearing zone was suitable for sample collection, grab groundwater sampling was performed. Groundwater sample collection methods are discussed below in Section 4.7.

Drilling casing was decontaminated between boring locations. Decontamination consisted of removing visible soil particles from the drilling equipment, washing and scrubbing the drilling equipment with water containing a detergent (i.e., Alconox®), and triple rinsing the equipment to removal the detergent solution. All decontamination water was contained in 55-gallon Department of Transportation (DOT) rated drums, labeled, and stored at the Site pending waste characterization and disposal.

4.4 Soil Vapor Probe Installations

On May 21, 24, 28, 29, 2024, under the oversight of Roux, Cascade installed twenty one soil vapor probes at the Site: SVP-06-5, SVP-06-8, SVP-10-5, SVP-10-8, SVP-13-5, SVP-13-8, SVP-25-5, SVP-25-8, SVP-32-5, SVP-32-8, SVP-36-5, SVP-36-8, SVP-41-5, SVP-41-8, SVP-45-5, SVP-52-5, SVP-52-8, SVP-53-5, SVP-57-5, SVP-61-4, and SVP-62-4 (Figure 6).

The soil vapor probes for active soil vapor sampling (active soil vapor probes) were installed in accordance with the Work Plan and the California Department of Toxic Substance Control (DTSC) *Soil Gas Advisory* guidance (DTSC, 2015). The active soil vapor probes were installed on a concrete or soil surface as permanent soil vapor wells. Approximately 1 foot of sand was placed at the bottom of the borings surrounding the soil vapor probe tip and well tubing, followed by 1 foot of dry granular bentonite, filled to within six inches of the surface with neat cement grout, and finished to grade with a traffic rated well box. At select locations (SVP-06-8, SVP-10-8, SVP-13-8, SVP-25-8, SVP-32-8, SVP-36-8, SVP-41-8, SVP-52-8, SVP-53-5, and SVP-57-5) low-permeability soil was encountered and the permanent active soil vapor wells were installed with 2 feet of sand placed at the bottom of the borings surrounding the soil vapor probe tip, followed by 1 foot of dry granular bentonite, filled to within six inches of the surface with neat cement grout, and finished to grade with a traffic rated well box. Each permanent active soil vapor probe consists of 1/4-inch-diameter Teflon tubing with a stainless-steel filter tip installed at 4, 5, and/or 8 feet bgs centered within the layer of sand (soil vapor probe depth is indicated by the last number in the soil vapor well name). The active soil vapor probes were allowed to equilibrate for at least 48 hours before collecting samples per DTSC *Soil Gas Advisory* guidance (DTSC, 2015). The well construction logs are included in boring logs (Appendix F).

4.5 Passive Soil Vapor Sampler Installations

On May 20, 2024, Cascade, under the oversight of Roux, installed 16 Beacon Environmental (Beacon)-supplied passive soil vapor samplers at the Site: PSG-10A through PSG-10D, PSG-25A through PSG-25D, PSG-41A through PSG-41D, and PSG-62A through PSG-62D (Figure 6).

The samplers were installed following advancement of a boring through the surficial hardscape into the underlying soils using a rotary hammer drill and fitted with a 1-1/2-inch-diameter hole drill bit to the designated sample depth. Sixteen (16) of the samplers were installed in hardscape areas covered with concrete slab or asphalt ranging from approximately 6 to 8 inches thick. Once through the surfacing, a 1/2-inch-diameter drill bit was used to extend the hole a minimum of 3 feet (ft) below the hardscape. The hole was then sleeved with a pre-cleaned, aluminum pipe that was pushed or tapped into the drilled hole using a hammer or tapping

dowel. Once installed, the bottom of the pipe was at approximately 12 inches bgs. The sampler was installed inside the metal pipe and the hole was patched with an aluminum foil plug and a thin concrete patch to protect the sampler and seal the borehole during sample collection. A passive soil vapor sampler construction detail is provided in Appendix G.

4.6 Soil Sampling and Analysis

Soil samples were collected from each boring location in accordance with the Work Plan at depths detailed on Table 1. If stained/discolored soil was observed or an elevated PID response greater than 10 parts per million was measured in a headspace sample while logging subsurface soils, additional soil samples were collected. A total of 289 soil samples were collected during this DGI. To minimize volatilization during transport following sampling, soil samples for VOCs were collected into laboratory-provided Terra Core® containers. Soil samples for all other analysis were collected into laboratory provided glass jars. All samples were appropriately labelled, packaged, and immediately placed on ice for delivery under COC protocols to Pace Analytical (Pace), a California-certified laboratory, for environmental analyses. Soil samples were analyzed for all/some of the following analytical tests and reported on a dry-weight basis:

- VOCs by USEPA Method 8260B;
- Semi-volatile organic compounds (SVOCs) by USEPA Method 8270C;
- TPH-g, TPH-d and TPH as motor oil (TPH-mo) by USEPA Method 8015;
- Title 22 Metals by USEPA Method; and,
- PCBs by USEPA Method 8082A.

Of the 289 samples collected, 267 soil samples were analyzed for one or more of the analyses listed above. The remaining 22 samples were collected for contingency purposes and were ultimately not analyzed. Duplicate samples were not collected due to the heterogeneity of soil. Soil analytical results are summarized in Tables 2 through 6 and the laboratory analytical reports are included in Appendix H.

4.7 Groundwater Sampling and Analysis

Grab groundwater sampling was performed at each boring advanced for groundwater sample collection, as detailed on Table 1, in co-located borings for collection of samples from the first and second encountered water-bearing zones from separate borings. Following boring advancement of the dual tube DPT system and identification of the target water-bearing zone at each boring, temporary pre-packed well screen and blank schedule 40 polyvinyl chloride (PVC) casing was installed into the center of the drill rod to the total depth of the boring. The DPT drilling rods were lifted to expose the temporary well screen to the water-bearing zone. For collection of grab groundwater from the second water-bearing zone, Roux ensured that the drill rods were only exposing the second water-bearing zone and were not lifted past the base of the first water-bearing zone (as defined by the observed aquiclude between the distinct water-bearing zones and moisture observations logged while drilling), to avoid cross contamination between the two zones. The drill rods remained in the borings until sampling was complete. The temporary wells were allowed to recharge for at least 1 hour prior to sample collection. Non-stabilized groundwater levels were recorded with a water level meter prior to sample collection.

A low-flow pump (bladder pump) was used to limit volatilization of VOCs during sample collection. Due to the high turbidity of the groundwater within the temporary groundwater wells, Roux purged approximately one casing volume of water from the temporary well casing prior to collecting groundwater samples to reduce the

turbidity of the groundwater samples. Water quality parameters were monitored during the purge at each grab groundwater sampling location using a YSI 556 Multiprobe Water Quality Meter including temperature, pH, conductivity, and turbidity. After approximately one casing volume of water was purged from the temporary groundwater wells, a grab groundwater sample was collected into laboratory-provided sample containers. Groundwater was passed through a 0.45-micron filter for the collection of dissolved metal samples in the field. Groundwater sample containers were labeled, placed on ice, and sent to Pace under chain-of-custody protocol for the following analyses:

- VOCs by USEPA Method 8260B;
- TPH-g/d/mo by USEPA Method 8015; and
- Title 22 Metals by USEPA Method 6010B, 6020 and 7470A (dissolved and total metals analyzed for grab groundwater samples).

A total of 21 grab groundwater samples (including duplicates) were collected and analyzed during this DGI. Following sampling activities, the temporary well casing was removed from each boring and the boring was prepped for backfill. See Section 4.11 for details regarding borehole abandonment activities. The grab groundwater sampling results are summarized in Tables 7 through 10 and the laboratory analytical reports are included in Appendix H. Groundwater Sampling Forms including collected groundwater parameters are presented in Appendix I.

4.8 Active Soil Vapor Sampling and Analysis

After each active soil vapor probe was allowed to equilibrate for 48 hours per the DTSC *Soil Gas Advisory* guidance, soil vapor samples were collected into individually certified one-liter evacuated SUMMA® canisters (DTSC, 2015).

Prior to the collection of soil vapor samples, Roux performed an analysis of percent relative error for each one-liter SUMMA® canister to verify initial canister pressure was less than the absolute vacuum. Calculation of the percent relative error introduced by null existing gas (e.g., existing gas that is absent of constituents of concern) uses the following equation:

$$\% \text{ Relative Error} = (P_A - P_I)/(P_A - P_F)$$

Where P_A = absolute vacuum pressure, P_I = initial vacuum pressure within the canister at the start of sampling, and P_F = final vacuum pressure within the canister at the end of sampling.

Assuming a final vacuum pressure of 5 inches of mercury (in-Hg) and an absolute vacuum pressure of 30 in-Hg, the break point for 10% relative error was at 27.5 in-Hg. All canisters used for sample collection were below the 10% relative error criteria.

Next, a “negative pressure shut-in test” was performed to check for leaks in the above-ground soil vapor sampling equipment. The sampling apparatus (sample canister and manifold) were assembled and then put under negative pressure using a 3-way valve and syringe for a six-minute interval. If no loss of canister vacuum was observed, the sampling apparatus was connected to the soil vapor well. Following the “negative pressure shut-in test”, approximately three purge volumes were purged from the sample collection tubing using a GilAir Plus Air Sampling Pump before soil vapor sample collection began. Purge activities were conducted at the same flow rate used for soil vapor sample collection (approximately 150-200 milliliters per minute). During purging and soil vapor sample collection activities, a helium shroud test was performed using

1) a shroud, which enclosed the soil vapor probe vault, probe tubing, and the entire sampling manifold, and 2) helium as a tracer gas. A minimum helium concentration of 20 percent was maintained within the shroud during the purging and soil vapor sample collection period. At the completion of sampling, the aboveground tubing from the permanent soil vapor wells were coiled into the space below the well box and covered using a silicone cap. The samples were labeled appropriately and submitted under chain-of-custody protocol to Enthalpy Analytical (Enthalpy), a California certified laboratory in Berkeley, California.

A total of 22 soil vapor samples (including duplicates) were collected from soil vapor probes using active soil vapor sample collection methods and analyzed during this DGI. The soil vapor sampling results are summarized in Table 11 and the laboratory analytical reports are included in Appendix H. Field sampling criteria, including location, time, sample container and manifold IDs, sampler(s), pressure readings, and helium shroud percentage, were recorded on the Soil Vapor Sampling Logs. The Soil Vapor Sampling Logs are presented in Appendix J.

4.9 Passive Soil Vapor Sampling and Analysis

A total of 18 passive soil vapor samples (including duplicates) were collected during this DGI. Sample collection at each location began upon emplacement of the passive soil vapor samplers within each hole. Each sampler was exposed to subsurface gas for 15 days, the typical exposure duration in accordance with laboratory provided standard operating procedures (SOPs) included in Appendix K. Following the exposure period completion, the samplers were retrieved, packaged, and sealed in accordance with the laboratory-provided SOPs. The samplers were then shipped under chain-of-custody protocols to Beacon Environmental (Beacon) for analysis of VOCs and TPH (C-4 to C-9 and C-10 to C15) by EPA Method 8260C.

The passive soil vapor results are summarized in Table 12 and the laboratory analytical reports are included in Appendix H.

4.10 Quality Assurance/Quality Control Sampling and Analysis

To assess the reliability of the data gathered during this DGI, Roux collected quality assurance/quality control (QA/QC) samples in accordance with the Work Plan. QA/QC samples included trip blanks, equipment blanks, and duplicate groundwater and soil vapor samples.

Trip blanks were prepared and provided by Pace and Beacon. One trip blank sample was submitted for each day of soil and groundwater sample collection for submittal to Pace for analysis. One trip blank (Trip-1) also accompanied the passive soil vapor samples during transport to Beacon for analysis. All trip blanks shipped to Pace were labeled as “TB-[date of transport]” and traveled in the same container as the soil and groundwater samples. Additionally, an equipment blank sample was collected each day of sample collection from the DPT drill shoe to ensure adequate decontamination procedures were implemented. Equipment blank samples were collected in the field by pouring laboratory provided deionized water over the reusable drilling equipment and collecting the rinse water into laboratory provided containers. Equipment blank samples were labeled as “EB-[date of collection]”, placed in an ice-filled chest, and shipped under chain-of-custody to Pace. The trip blank sent to Beacon was labeled “TB-1”. Trip blank samples were analyzed for VOCs by USEPA Method 8260B. Equipment blank samples were analyzed for the following:

- VOCs by USEPA Method 8260B;
- TPH-g, TPH-d, and TPH-mo by USEPA Method 8260B and/or 8015; and,
- Title 22 metals by USEPA Method 6020 (unfiltered).

The passive soil vapor trip blank was analyzed for VOCs by USEPA Method 8260C. The results of the trip blank and equipment blank samples are presented on Tables 7 through 10 and 12.

A duplicate grab groundwater sample was collected each day during grab groundwater sampling activities. This rate of duplicate sample collection also complied with the one duplicate per 10 samples collected QA/QC requirement. A total of three duplicate grab groundwater samples [P-10 (DUP-1), GW-2-2 (DUP-2), and P-06 (DUP-3)] were collected immediately following collection of their respective primary samples. It is important to note that, due to the requirement to use low-flow sample methodology, sample collection times between primary and duplicate samples were between approximately 1 and 1.5 hours apart. The duplicate samples were contained within laboratory-provided sample containers, labeled appropriately, and placed in an ice-filled chest pending delivery under chain-of-custody protocol to Pace for analysis. Duplicate grab groundwater samples were analyzed for the same constituents as their respective primary samples. The results of the duplicate grab groundwater samples are presented on Tables 7 through 10.

Duplicate active soil vapor samples were collected at a rate of one duplicate per 10 primary active soil vapor samples. A total of three duplicate soil vapor samples [SVP-10-5 (SVP-DUP-1), SVP-13-5 (SVP-DUP-2), and SVP-62-4 (SVP-DUP-3)] were collected using individually certified dual sampling manifold provided by Enthalpy. Duplicate active soil vapor sample results are presented on Table 11.

The laboratory-provided SOP for passive soil vapor sampling indicates that duplicate sample analysis is performed by reanalysis of a primary passive soil vapor sampler. Roux selected two primary samples to be analyzed twice as duplicates (PSG-10A [DUP-01] and PSG-62A [DUP-02]). Duplicate passive soil vapor samples were analyzed by Beacon and are presented on Table 12.

4.11 Borehole Abandonment Activities

Following sample collection, each soil and groundwater borehole was abandoned by Cascade in accordance with the requirements of the ACPWA permit under the oversight of an ACPWA inspector. Each borehole was backfilled with neat cement grout to ground surface. For boreholes that extended below groundwater, a tremie pipe was utilized to avoid grout bridging and ensure proper borehole abandonment.

4.12 Deviations From Workplan

The following deviations from the Work Plan were made due to unexpected conditions encountered in the field:

- Soil boring and grab groundwater boring G-F3-1/P-03 was advanced to 4.5 feet bgs rather than the targeted 10 feet due to refusal. Two additional step-outs were attempted at G-F3-1/P-03 with each attempt encountering refusal at 4.5 feet bgs. Soil samples were collected to 4.5 ft bgs. No groundwater interface soil sample was collected and no groundwater sample was collected at P-03.
- Soil boring G/UC-H4-1 was advanced to 4.75 feet bgs rather than the targeted 10 feet due to refusal. Two additional step-outs were attempted at G/UC-H4-1 with each attempt encountering refusal at 4.75 feet bgs. Soil samples were collected to 4.75 ft bgs.
- Soil vapor probes SVP-45-8, SVP-57-8, SVP-61-8, and SVP-62-8 were not installed due to first encountered groundwater at approximately 7 feet bgs. However, the shallower (4 to 5 feet bgs) soil vapor probes were installed at each of these soil vapor probe locations.
- Soil vapor sample from probe SVP-32-5 was not collected due to high downhole vacuum during sample purge.

- Soil vapor probes SVP-61-4 and SVP-62-4 were installed at 4 feet bgs rather than the targeted 5 feet bgs due to first encountered groundwater at these boring locations at 5 feet bgs.
- Soil vapor sample at soil vapor well SVP-61-4 was not collected due to water encountered in the sample line during purging.
- The second groundwater zone at GW-1-2 was not observed while drilling. Grab groundwater boring GW-1-2 was advanced to 35 ft bgs and the boring was dry after 24 hours. No grab groundwater sample was collected at GW-1-2.
- Select soil samples intended for analysis for vertical delineation of metals, TPH-d, and PCBs were not analyzed due to the disposal of the samples by the laboratory prior to request for analysis. These samples were disposed of by the laboratory without prior notice to Roux and are identified on Tables 2, 5, and 6 and Figures 7 through 9.

4.13 Investigation-Derived Waste

All soil and groundwater investigation-derived waste (IDW) was stored in a Department of Transportation (DOT)-approved 55-gallon drums. Two waste soil drums and two wastewater drums were generated during the investigation. One composite soil sample and one drum-water characterization sample were collected from the drums and submitted under chain-of-custody protocol to Pace for analysis of the following analyses:

- VOCs by USEPA method 8260B;
- Title 22 Metals by USEPA method 6020; and,
- TPH-g, TPH-d, and TPH-mo by USEPA method 8015B.

Upon receipt of laboratory analytical results for the representative samples, the material was profiled as non-hazardous and transported to and disposed of at an appropriate waste disposal facility on August 7, 2024. The non-hazardous waste manifests are included in Appendix L.

5 Investigation Results

This section provides the analytical results from the DGI activities. All associated laboratory reports for the foregoing analytical results are included in Appendix H.

5.1 Screening Criteria

Based on the objectives of this investigation, analytical data was screened against the following criteria for each specific sampling media (applicable screening levels):

Soil

- Soil sample results are screened against the 2019 RWQCB ESLs for direct exposure for Construction Worker and Commercial/Industrial exposure scenarios (Construction Worker ESL and Commercial/Industrial ESL, respectively); and
- Arsenic concentrations in soil were compared to the accepted background concentration for the San Francisco Bay Region as presented in *Established Background Arsenic in Soil of the Urbanized San Francisco Bay Region* (Duvergé, 2011).
- When Construction Worker or Commercial/Industrial ESLs were not available, the Regional Screening Levels (RSLs) for Industrial Soil were used, if available.

Groundwater

- California and Federal MCLs for Title 22 metals;
- 2019 RWQCB ESLs for direct exposure human health risk levels MCL priority and Commercial Industrial ESLs for vapor intrusion for VOCs; and
- 2019 RWQCB ESLs for direct exposure human health risk levels MCL priority for TPH-chain (TPH-g, TPH-d, and TPH-mo).

Soil Vapor (passive and active)

- 2019 RWQCB Soil Gas ESLs for potential vapor intrusion risk for Commercial/Industrial land use.

5.2 Soil Analytical Results

Of the 289 soil samples collected during this investigation, 267 were analyzed for Title 22 metals, VOC, SVOCs, TPH-g, TPH-d/mo, and/or PCB. The remaining 22 samples were collected for contingency purposes and were ultimately not analyzed. The complete list of soil samples and their respective analyses is presented in Table 1. The following constituents detected in soil exceeded their respective applicable soil screening levels as discussed in Section 5.1:

Metals

- Arsenic was detected above screening criteria in 21 soil samples at concentrations ranging between 12.2 (G/UC-B4-1-2.0) and 3,460 mg/kg (G/UC-B1-1-3.0), exceeding the background level of 11 mg/kg;
- Cobalt was detected above screening criteria in one sample (BS-I1-1-3.0) at a concentration of 43.3 mg/kg, exceeding the Construction Worker ESL of 27.9 mg/kg;
- Copper was detected above screening criteria in two samples at concentrations of 15,300 (G-B2-1-2.0) and 28,200 (G-B2-1-3.0) mg/kg, exceeding the Construction Worker ESL of 14,200 mg/kg;

- Lead was detected above screening criteria in 49 soil samples at concentration ranging between 164 (G-D2-1-2.0) and 6,190 (G/BS-F4-1-1.0) mg/kg, exceeding the Construction Worker ESL of 160 mg/kg. Additionally, 30 of the elevated concentrations of lead exceeded the Commercial/Industrial ESL of 320 mg/kg; and
- Nickel was detected above screening criteria in 13 samples ranging between 87.7 (G-B3-1-2.0) and 320 (BS-G1-1-2.0) mg/kg, exceeding the Construction Worker ESL of 86.3 mg/kg.

VOCs

- Benzene was detected above screening criteria in one sample (P-01-16.5) at a concentration of 3.56 mg/kg, exceeding the Commercial/Industrial ESL of 1.45 mg/kg;
- Ethylbenzene was detected above screening criteria in one sample (P-01-16.5) at a concentration of 75.4 mg/kg, exceeding the Commercial/Industrial ESL of 25.9 mg/kg; and
- Naphthalene was detected above screening criteria in one sample (P-01-16.5) at a concentration of 49.6 mg/kg, exceeding the Commercial/Industrial ESL of 16.7 mg/kg.

SVOCs

- Benzo(a)pyrene was detected above screening criteria in six samples at concentrations ranging between 2.84 (G/BS-H1-1.0) and 20 (G-F2-1-1.0) mg/kg, exceeding the Commercial/Industrial ESL of 2.19 mg/kg. Additionally, two benzo(a)pyrene concentrations exceeded the Construction Worker ESL of 10.1 mg/kg;
- Benzo(b)fluoranthene was detected above screening criteria in one sample (G-F2-1-2.0) at a concentration of 25.9 mg/kg, exceeding the Commercial/Industrial ESL of 21.1 mg/kg; and
- Dibenz(a,h)anthracene was detected above screening criteria in one sample (G-F2-1-3.0) at a concentration of 2.21 mg/kg, exceeding the Commercial/Industrial ESL of 2.11 mg/kg.

PCBs

- PCB-1242 was detected above screening criteria in one sample (G-E3-1-1.0) at a concentration of 1.88 mg/kg, exceeding the Commercial/Industrial ESL of 0.94 mg/kg;
- PCB-1254 was detected above screening criteria in two samples at concentrations of 1.14 (G-E3-1-1.0) and 3.69 (G/BS-D4-1-2.0) mg/kg, exceeding the Commercial/Industrial ESL of 0.94 mg/kg; and
- PCB-1260 was detected above screening criteria in four samples at concentrations ranging between 0.997 (G-H3-1-3.0) and 2.51 (G-H2-1-1.0) mg/kg, exceeding the Commercial/Industrial ESL of 0.94 mg/kg.

TPHs

- TPH-g was detected above screening criteria in one sample (P-01-16.5) at a concentration of 2,340 mg/kg, exceeding the Construction Workers and Commercial/Industrial ESLs of 1,820 and 2,000 mg/kg, respectively;
- TPH-d (C12-C22) was detected above screening criteria in five samples at concentrations ranging between 1,430 (G-G1-1-3.0) and 7,040 (SVP-57-5-6.0) mg/kg, exceeding the Construction Worker and Commercial/Industrial ESLs of 1,080 and 1,220 mg/kg, respectively; and
- TPH-d (C22-C32) was detected above screening criteria in 17 samples at concentrations ranging between 1,210 (G-C3-1-4.0) and 20,000 (G-G2-1-3.0) mg/kg, exceeding the Construction Worker ESL of 1,080 mg/kg. Additionally, 16 of the elevated concentrations exceeded the Commercial/Industrial ESL of 1,220 mg/kg.

Concentrations of all other Title 22 metals, VOC, SVOCs, PCBs, TPH-g, TPH-d, and TPH-mo in soil samples were below their respective Construction Worker, Commercial/Industrial ESLs or RSLs for Industrial Soil

(where available). The analytical results for Title 22 metals, VOC, SVOCs, PCBs, and TPH-g/d/mo in soil are summarized in Tables 2 through 6, respectively. All soil samples exceeding applicable screening levels are presented on Figures 7, 8, and 9. The soil laboratory analytical reports are included in Appendix H.

5.3 Groundwater Analytical Results

Twenty-one groundwater samples were collected from eighteen temporary groundwater wells (GW-1-1, GW-2-1, GW-2-2, GW-3-1, GW-3-2, GW-4-1, GW-4-2, GW-5-1, GW-5-2, GW-6-1, GW-6-2, P-01, P-02, P-06, P-08, P-10, P-11, and P-12) including three duplicate samples (P-10 [DUP-1], GW-2-2 [DUP-2], and P-06 [DUP-3]) and analyzed for Title 22 metals (total and dissolved), VOCs, and TPH-g/d/mo. The following constituents detected in groundwater exceeded their respective applicable screening criteria as discussed in Section 5.1:

Total Metals

- Total antimony was detected above screening criteria in one sample (P-08) at a concentration of 39.3 µg/L, exceeding the California and Federal MCL of 6.0 µg/L;
- Total arsenic was detected above screening criteria in seven samples (including one duplicate) ranging in concentration between 10.6 (P-02) and 30.5 (P-01) µg/L, exceeding the California and Federal MCL of 10 µg/L;
- Total barium was detected above screening criteria in two samples at concentrations of 1,050 (GW-3-1) and 2,610 (GW-4-1) µg/L, exceeding the California MCL of 1,000 µg/L. Additionally, one elevated concentration exceeded the Federal MCL of 2,000 µg/L;
- Total beryllium was detected above screening criteria in two samples (including one duplicate) at concentrations of 8.59 (P-10) and 9.33 (DUP-3) µg/L, exceeding the California and Federal MCL of 4.0 µg/L;
- Total cadmium was detected above screening criteria in two samples at concentrations of 6.1 (P-11) and 53.3 (P-08) µg/L, exceeding the California and Federal MCL of 5.0 µg/L;
- Total chromium was detected above screening criteria in four samples (including one duplicate) at concentrations ranging between 50.7 (P-10) and 185 (GW-2-2) µg/L, exceeding the California MCL of 50.0 µg/L. Additionally, one elevated concentration exceeded the Federal MCL of 100 µg/L;
- Total lead was detected above screening criteria in nine samples (including two duplicates) ranging in concentration between 24.5 (DUP-2) and 9,470 (P-08) µg/L, exceeding the Federal MCL of 15 µg/L;
- Total nickel was detected above screening criteria in five samples (including two duplicates) ranging in concentration between 131 (GW-6-2) and 364 (DUP-3) µg/L, exceeding the California MCL of 100 µg/L;
- Total zinc was detected above screening criteria in one sample (P-08) at a concentration of 7,100 µg/L, exceeding the Federal MCL of 500 µg/L.

Dissolved Metals

- Dissolved antimony was detected above screening criteria in one sample (P-08) at a concentration of 39.2 µg/L, the California and Federal MCL of 6.0 µg/L;
- Dissolved arsenic was detected above screening criteria in four at concentrations ranging between 13.1 (GW-2-1) and 29.3 (P-01) µg/L, exceeding the California and Federal MCL of 10 µg/L; and
- Dissolved cadmium was detected above screening criteria in one sample (P-11) at a concentration of 5.17 µg/L, exceeding the California and Federal MCL of 5.0 µg/L.

VOCs

- 1,1-Dichloroethane (1,1-DCA) was detected above screening criteria in one sample (P-08) at a concentration of 6.04 µg/L, exceeding the MCL Priority ESL of 5.0 µg/L;
- 1,1-DCE was detected above screening criteria two samples at concentrations of 108 (GW-3-1) 315 (GW-3-2) µg/L, exceeding the MCL Priority ESL of 6.0 µg/L. Additionally, one elevated concentration exceeded the Commercial/Industrial ESL of 280 µg/L;
- Benzene was detected above screening criteria in three samples at concentrations ranging between 2.45 (P-08) and 991 (P-01) µg/L, exceeding the MCL Priority ESL of 1.0 µg/L and the Commercial/Industrial ESL of 1.8 µg/L.
- Cis-1,2-DCE was detected above screening criteria in three samples (including one duplicate) at concentrations ranging between 25.6 (P-08) and 186 (DUP-1) µg/L, exceeding the MCL Priority ESL of 6.0 µg/L;
- Ethylbenzene was detected above screening criteria in one sample (P-01) at a concentration of 1,020 µg/L, the MCL Priority ESL of 30 µg/L and the Commercial/Industrial ESL of 15 µg/L for ethylbenzene;
- Naphthalene was detected above screening criteria in two samples at concentrations of 5.84 (GW-6-1) and 275 (P-01) µg/L, exceeding the MCL Priority ESL of 0.17 µg/L. Additionally, one elevated concentration exceeded the Commercial/Industrial ESL of 20 µg/L;
- PCE was detected above screening criteria in two samples at concentrations of 5.57 (P-10) and 6.1 (DUP-3) µg/L, exceeding the MCL Priority ESL of 5.0 µg/L and the Commercial/Industrial ESL of 2.79 µg/L;
- Toluene was detected above screening criteria in one sample (P-01) at a concentration of 70.7 µg/L, exceeding the MCL Priority ESL of 40 µg/L;
- TCE was detected above screening criteria in four samples (including two duplicates) at concentrations ranging between 5.12 (DUP-1) and 6.42 (DUP-3) µg/L, exceeding the MCL Priority ESL of 5.0 µg/L; and
- Vinyl chloride was detected above screening criteria in five samples at concentrations ranging between 1.26 (GW-2-1) and 47.4 (DUP-2) µg/L, exceeding the MCL Priority ESL of 0.5 µg/L and the Commercial/Industrial ESL of 0.14 µg/L.

TPHs

- TPH-g C5-C12 was detected above screening criteria in two groundwater samples at concentrations of 928 (GW-6-1) and 18,300 (P-01) µg/L, exceeding the MCL Priority ESL of 760.0 µg/L;
- TPH-d C12-C22 was detected above screening criteria in 12 samples at concentrations ranging between 293 (GW-2-2) and 2,680 (P-01) µg/L, exceeding the MCL Priority ESL of 200 µg/L for TPH-d C12-C22; and
- TPH-d C22-C32 was detected above screening criteria in 13 samples at concentrations ranging between 208 (P-11) and 2,890 (P-08) µg/L, exceeding the MCL Priority ESL of 200 µg/L.

Concentrations for all other Title 22 metals, VOC, TPH-g, TPH-d, and TPH-mo in groundwater samples were below their respective MCL Priority ESL and Commercial/Industrial ESL or do not have an established ESL. The analytical results for Title 22 metals (total and dissolved), VOC, TPH-g/d/mo in groundwater are summarized in Tables 7 through 10, respectively. All groundwater exceedances of applicable screening levels are presented on Figures 10 and 11. The groundwater laboratory analytical reports are included in Appendix H.

5.4 Active Soil Vapor Analytical Results

Twenty-two soil vapor samples were collected by active sampling methods and analyzed for VOC and TPH-g from 19 soil vapor probes (SVP-06-5, SVP-06-8, SVP-10-5, SVP-10-8, SVP-13-5, SVP-13-8, SVP-25-5, SVP-25-8, SVP-32-8, SVP-36-5, SVP-36-8, SVP-41-5, SVP-41-8, SVP-45-5, SVP-52-8, SVP-53-5, SVP-53-8, SVP-57-5, and SVP-62-4) including three duplicate samples (SVP-10-5 [DUP-1], SVP-13-5 [DUP-2], and SVP-62-4 [DUP-3]). Results of VOCs and TPH-g in active soil vapor are presented on Table 11 and shown on Figure 12, with additional isocontours and heat maps for individual analytes shown on Figures 13a through 17. The following constituents detected in active soil vapor exceeded their respective applicable screening levels as discussed in Section 5.1:

- 1,1-DCE was detected above screening criteria in one sample (SVP-36-5) at a concentration of 12,000 µg/m^3, exceeding the Commercial/Industrial ESL of 260 µg/m^3;
- 1,4-Dichlorobenzene was detected above screening criteria in four samples at concentrations ranging between 270 (SVP-62-4) and 1,300 (SVP-36-5) µg/m^3, exceeding the Commercial/Industrial ESL of 37 µg/m^3;
- Benzene was detected above screening criteria in nine samples at concentrations ranging between 22 (SVP-06-5) and 170 (SVP-57-5) µg/m^3, exceeding the Commercial/Industrial ESL of 14 µg/m^3;
- Chloroform was detected above screening criteria in four samples at concentrations ranging between 19 (SVP-13-5 and SVP-DUP-02) and 34 (SVP-13-8) µg/m^3, exceeding the Commercial/Industrial ESL of 18 µg/m^3;
- PCE was detected above screening criteria in four samples at concentrations ranging between 270 (SVP-25-5) and 1,100 (SVP-25-8) µg/m^3, exceeding the Commercial/Industrial ESL of 67 µg/m^3;
- TCE was detected above screening criteria in three samples at concentrations ranging between 130 (SVP-62-4, and SVP-DUP-03) and 250 (SVP-25-8) µg/m^3, exceeding the Commercial/Industrial ESL of 100 µg/m^3;
- Vinyl chloride was detected above screening criteria in six samples (including one duplicate sample) at concentrations ranging between 41 (SVP-32-8) and 320 (SVP-57-5) µg/m^3, exceeding the Commercial/Industrial ESL of 5.2 µg/m^3; and
- TPH-g was detected above screening criteria in 10 samples at concentrations ranging between 110,000 (SVP-62-4, and SVP-DUP-03]) and 2,300,000 (SVP-10-8) µg/m^3, exceeding the Commercial/Industrial ESL of 83,000 µg/m^3.

Concentrations for all other VOCs and TPH-g in active soil vapor samples were below their respective 2019 RWQCB Soil Gas ESLs for potential vapor intrusion risk for Commercial/Industrial land use or do not have an established ESL.

Fixed gases are not compared to any screening criteria; however, the analysis can provide important information regarding the potential for bioattenuation and the quality of the chemical results. Results of the fixed gas analysis are provided in Table 11 and summarized below:

- Carbon dioxide was detected in all soil vapor samples (including duplicates) at concentrations ranging between 0.41% and 17%, above the atmospheric percentage of 0.04%, with the maximum percentage of carbon dioxide observed in vapor sample SVP-13-5;
- Carbon monoxide was not detected above its laboratory reporting limit in any of the soil vapor samples;
- Helium, utilized as a leak detection compound, was not detected at any concentration in any samples except two: helium was detected at 0.36% and 0.39% in samples SVP-10-8 and SVP-36-8,

respectively. The Soil Gas Advisory states that an ambient air leak of up to 5% of the minimum helium concentration is acceptable if quantitative tracer testing is performed by shrouding. During sample collection, helium concentrations were maintained at 20% by volume within the sampling shroud. Given this ground concentration and the leak significance threshold of 5%, helium detected at concentrations below 1% (that is, below 5% of the minimum helium shroud concentration of 20%) are not considered to be significant. Therefore, all active soil vapor results are valid as no unacceptable helium leaks were detected;

- Methane was detected above the laboratory reporting limit in 16 samples ranging between 0.25% (SVP-13-8) and 52% (SVP-13-5 and SVP-DUP-02). Of the 16 samples reporting methane concentrations above the laboratory reporting limit, six sample results exceeded the lower explosive limit of 5% for methane with the maximum detection observed in vapor sample SVP-13-8;
- Nitrogen was detected in all samples ranging between 28% and 91%, both below and above the average atmospheric concentration of nitrogen of 78%; and
- Oxygen was detected in 13 soil vapor samples between 3.2% and 19%, below the average atmospheric concentration of 21%. Concentrations in 12 of the 13 sample detections were above 4%, which is the threshold indicating favorable conditions for bioattenuation under aerobic conditions.

5.5 Passive Soil Vapor Analytical Results

Eighteen passive soil vapor samples were collected and analyzed for VOCs, TPH-g, and TPH-d from sixteen passive soil vapor samplers (PSG-10A, PSG-10B, PSG-10C, PSG-10D, PSG-25A, PSG-25B, PSG-25C, PSG-25D, PSG-41A, PSG-41B, PSG-41C, PSG-41D, PSG-62A, PSG-62B, PSG-62C, and PSG-62D) including two duplicate samples (PSG-10A [DUP-1] and PSG-62A [DUP-2]). The following constituents detected in passive soil vapor exceeded their respective applicable screening criteria as discussed in Section 5.1:

- Benzene was detected above screening criteria in three samples at concentrations ranging between 14.3 (PSG-25A) and 25 (PSG-25B) µg/m^3, exceeding the Commercial/Industrial ESL of 14 µg/m^3;
- Naphthalene was detected above screening criteria in three samples (including one duplicate sample) at concentrations ranging between 16.5 (PSG-62B) and 1,210 (DUP-02) µg/m^3, exceeding the Commercial/Industrial ESL of 12 µg/m^3;
- PCE was detected above screening criteria in two samples at concentrations of 103 (PSG-10C) and 301 (PSG-62D) µg/m^3, exceeding the Commercial/Industrial ESL of 67 µg/m^3; and
- TCE was detected above screening criteria in six samples at concentrations ranging between 149 (PSG-62C) and 6,440 (PSG-62D) µg/m^3, exceeding the Commercial/Industrial ESL of 100 µg/m^3.

Concentrations for all other VOCs, TPH-g, and TPH-d in passive soil vapor samples were below their respective 2019 RWQCB Soil Gas ESLs for potential vapor intrusion risk for Commercial/Industrial land use or do not have an established ESL. The analytical results for VOCs, TPH-g, and TPH-d in passive soil vapor are summarized in Table 12 and shown on Figure 12.

5.6 Quality Control/Quality Assurance Samples

Quality assurance/quality control samples (QA/QC) were collected in the form of duplicate soil vapor and groundwater samples collected at a minimum of one field duplicate collected for every 10 investigative samples per distinct media sampled. During this investigation, a total of three groundwater duplicate samples (DUP-1 for P-10, DUP-2 for GW-2-2, and DUP-3 for P-06), three active soil vapor duplicate samples (SVP-DUP-01 for SVP-10-5, SVP-DUP-02 for SVP-13-5, and SVP-DUP-03 for SVP-62-4) and two passive soil vapor samples (DUP-01 for PSG-10A and DUP-02 for PSG-62A) were collected and analyzed to check for

sampling and analytical reproducibility. The calculated relative percent difference (RPD) for 9 of the 64 detected compounds was greater than 50%.

- The RPD between the primary and duplicate groundwater sample results for total chromium, total vanadium, and total zinc in DUP-2 and GW-2-2 were greater than 50%;
- The RPD between the primary and duplicate active soil vapor sample results for n-hexane in SVP-DUP-01 and SVP-10-5 was greater than 50%; and
- The RPD between the primary and duplicate passive soil vapor sample results for o-xylene, p&m-xylene, PCE, toluene, and TCE in DUP-01 and PSG-62A were greater than 50%.

All other duplicate compounds were within an acceptable allowance of differences from the primary groundwater samples and primary soil vapor samples, per the Soil Gas Advisory (DTSC, 2015). Duplicate sample results of groundwater are presented in Tables 7 through Table 10, duplicate results of active soil vapor are presented in Table 11, and duplicate results for passive soil vapor are presented on Table 12.

In addition to duplicate samples collected, field quality QA/QC samples for this event were submitted on a daily basis during soil and groundwater sample collection. QA/QC samples consisted of a daily trip blank and equipment blank. One VOC (4-bromofluorobenzene) was detected in each trip blank and equipment blank at concentrations ranging between 15.2 and 18.4 µg/L. 4-Bromofluorobenzene was detected in all primary and duplicate samples within the same range of the detections in equipment blanks. Additionally, one detection of barium was observed in equipment blank sample EB-052124.

6 Discussion

This section discusses conditions at the Site as interpreted from the analytical data and field observations from this DGI. The discussion below is organized by media and analytical groups.

6.1 Soil

In anticipation of redevelopment activities at the Site, soil samples were collected on a 150-foot by 150-foot grid, within the proposed utility corridors, and along the perimeter of the Site where bio-swales have been proposed. Soil samples collected during this DGI include depth intervals ranging from 0 and 18.5 feet bgs. A preliminary set of collected samples from each boring were analyzed for specific analytes as detailed in the Work Plan. Where concentrations exceeded screening criteria at the maximum depth interval analyzed, the next deepest interval was analyzed for constituents exceeding screening criteria (if available). Soil analytical results of all samples analyzed are presented on Tables 2 through 6. The following subsections discuss detections exceeding screening criteria for each analytical group.

6.1.1 Metals in Soil

Soil samples collected and analyzed from the Site contained concentrations of arsenic, cobalt, copper, lead, and nickel above their respective Construction Worker ESL, Commercial/Industrial ESL, and/or accepted background concentrations for the San Francisco Bay Area. The depth ranges for each metal exceeding screening criteria are as follows:

- Arsenic: 0 to 4 feet bgs;
- Cobalt: 2 to 3 feet bgs;
- Copper: 1 to 3 feet bgs;
- Lead: 0 to 4 feet bgs; and
- Nickel: 0 to 4 feet bgs.

Exceedances of screening criteria for arsenic, lead and nickel were observed across most of the Site to some degree. Cobalt and copper exceedances were limited to single detections across the Site. At six boring locations, detections of arsenic, lead, and/or nickel exceeded screening criteria at the maximum sample depth interval analyzed; however, the deeper samples collected were not analyzed due to laboratory disposal of samples without notice. Exceedances of metals screening criteria in soil are depicted on Figure 7.

6.1.2 VOCs in Soil

Concentrations of VOCs exceeding their respective Construction Worker and/or Commercial/Industrial ESLs were detected in a single soil sample from boring P-01. This sample was collected at the groundwater interface downgradient of Pit-01 and within the location of three former 10,000-gallon USTs at the Site. VOCs with concentrations above their respective screening criteria included benzene, ethylbenzene, and naphthalene. Exceedances of VOC screening criteria in soil are depicted on Figure 8.

6.1.3 SVOCs in Soil

Concentrations of SVOCs exceeding their respective Construction Worker and/or Commercial/Industrial ESLs were detected in six soil samples. The SVOCs in exceedance of screening levels, and the depths of the detected exceedances, are as follows:

- Benzo(a)pyrene: 0 to 4 feet bgs:
- Benzo(b)fluoranthene: 1 to 2 feet bgs: and
- Dibenz(a,h)anthrancene: 2 to 3 feet bgs.

Exceedances of SVOC screening criteria in soil are depicted on Figure 8.

6.1.4 TPH in Soil

Concentrations of TPH fractions exceeding their respective Construction Worker and Commercial/Industrial ESLs were detected in 18 soil samples. TPH fractions in exceedance of screening levels, and the depths of the detected exceedances, are as follows:

- TPH-g (C5-12): 15.5 to 16.5 feet bgs;
- TPH-d (C12-C22): 2 to 16.5 feet bgs; and
- TPH-d (C22-32): 2 to 8 feet bgs.

TPH impacts in soil are present in several areas around the Site. Several exceedances are limited to narrow depth intervals, while some exceedances extend to the maximum depths sampled at individual boring locations, with multiple exceedances through the soil profile. Exceedances of TPH screening criteria in soil are depicted on Figure 8.

6.1.5 PCBs in Soil

Concentrations of PCBs above their respective Commercial/Industrial ESLs have been detected in shallow soil in four borings. PCB detections are consistently below Construction Worker ESLs. The PCBs in exceedance of the Commercial/Industrial ESLs, and the depths of the detected exceedances, are as follows:

- PCB-1242: 0 to 1 foot bgs;
- PCB-1254: 0 to 2 feet bgs; and
- PCB-1260: 0 to 3 feet bgs.

PCB exceedances are limited across the Site. Exceedances of PCB screening criteria in soil are depicted on Figure 9.

6.2 Groundwater

Roux collected grab groundwater samples at 13 locations (P-01, P-02, P-04, P-06, P-08, P-10, P-11, and GW-1 through GW-6) across the Site, targeting data gaps identified following the 2023 Investigation and the demolition of the above grade structures in 2023. Twelve pits were identified following demolition activities at the Site in 2023 and Roux collected nine grab groundwater samples (P-01, P-02, P-04, P-06, P-08, P-10, and P-11, and two duplicate samples) at locations downgradient of each pit or cluster of closely located pits. A groundwater sample was not collected at location P-03 due to refusal before first encountered groundwater. Eight groundwater samples were collected near well MW-12 (GW-1-1 through GW-4-1, GW-2-2 through GW-4-2, and one duplicate sample) to investigate the presence of vinyl chloride previously detected during quarterly groundwater monitoring events. A groundwater sample was not collected at boring GW-1-2 due to the boring being dry. Additionally, four groundwater samples (GW-5-1, GW-5-2, GW-6-1, and GW-6-2) were collected near previously elevated detections of VOCs in passive soil vapor identified during the 2023 Investigation.

6.2.1 Metals in Groundwater

Fourteen out of 21 groundwater samples collected and analyzed during this DGI contained concentrations of dissolved and/or total metals above their respective California and/or Federal MCLs. Metals concentrations, including both total and dissolved metals, in 11 groundwater samples (10 primary and one duplicate) collected in the first encountered water-bearing zone exceeded screening criteria; total metals concentrations in three samples (two primary and one duplicate) collected in the second encountered water-bearing zone exceeded screening criteria. Metals with concentrations above screening criteria in each of the water-bearing zones, and the respective sample locations, are as follows:

1st Encountered Water-Bearing Zone:

- Antimony: P-08;
- Arsenic: GW-1, GW-2, GW-3, P-01, P-02, P-08;
- Barium: GW-3, GW-4;
- Beryllium: P-10;
- Cadmium: P-08, P-11;
- Chromium: P-08, P-10;
- Lead: GW-2, GW-3, GW-4, P-08, P-10, P-11, P-12;
- Nickel: P-10; and
- Zinc: P-08.

2nd Encountered Water-Bearing Zone

- Arsenic: GW-2;
- Chromium: GW-2;
- Lead: GW-2; and
- Nickel: GW-2, GW-6.

Most of the exceedances of metals screening criteria were found in the first encountered water-bearing zone. Dissolved metals concentrations did not exceed screening criteria in the second encountered water-bearing zone. Exceedances of metals screening criteria in groundwater are depicted on Figure 10.

6.2.2 VOCs in Groundwater

Twelve (nine primary and three duplicate) out of 21 groundwater samples collected and analyzed during this DGI contained VOC concentrations exceeding the California and/or Federal MCLs. A total of 11 groundwater samples (9 primary and two duplicate) in the first encountered water-bearing zone and one sample in the second encountered water-bearing zone contained VOCs at concentrations exceeding screening criteria. VOCs with concentrations above screening criteria in each of the water-bearing zones, and the respective sample locations, are as follows:

1st Encountered Water-Bearing Zone

- 1,1-DCA: P-08;

- 1,1,-DCE: GW-3;
- Benzene: GW-6, P-01, P-08;
- Cis-1,2-DCE: P-06, P-08;
- Ethylbenzene: P-01;
- Naphthalene: GW-6, P-01;
- PCE: P-10, DUP-3;
- Toluene: P-01;
- TCE: P-06, P-10, DUP-3; and
- Vinyl chloride: GW-1, GW-2, GW-3.

2nd Encountered Water-Bearing Zone

- 1,1-DCE: GW-3; and
- Vinyl chloride: GW-3.

Most of the exceedances of VOC screening criteria were found in the first encountered water-bearing zone. Exceedances of VOC screening criteria in groundwater are depicted on Figure 11.

Grab-groundwater sample locations GW-1 through GW-4 were installed to the northwest, west southwest, and south of groundwater monitoring well MW-12, respectively (Figure 11). Vinyl chloride concentrations in groundwater sampled from well MW-12 have ranged from 2.9 to 5.1 µg/L during the last four quarters of groundwater monitoring. Vinyl chloride concentrations in grab-groundwater samples GW-1, GW-2, and GW-3 were 1.26 to 47.4 µg/L, which are similar to the range of concentrations measured in well MW-12. Vinyl chloride was not detected in grab-groundwater samples collected from location GW-4.

6.2.3 TPH in Groundwater

Fourteen (12 primary and 2 duplicate) out of 21 groundwater samples collected and analyzed during this DGI contained concentrations of one or more TPH fractions exceeding the California and/or Federal MCLs. Twelve groundwater samples (11 primary and one duplicate) in the first encountered water-bearing zone and two samples (1 primary and 1 duplicate) in the second encountered water-bearing zone contained TPH concentrations exceeding screening criteria. TPH with concentrations above screening criteria in each of the water-bearing zones, and the respective sample locations, are as follows:

1st Encountered Water-Bearing Zone

- TPH-g: GW-6, P-01;
- TPH-d (C12-C22): GW-2, GW-3, GW-4, GW-5, GW-6, P-01, P-02, P-06, P-08; and
- TPH-d (C22-C32): GW-1, GW-2, GW-3, GW-4, GW-5, P-01, P-02, P-06, P-08, P-11.

2nd Encountered Water-Bearing Zone

- TPH-d (C12-C22): GW-2; and
- TPH-d (C22-C32): GW-2.

Most of the exceedances of TPH screening levels in groundwater are found in the first encountered water-bearing zone downgradient of former USTs and existing pits. TPH exceedances in the second encountered water-bearing zone are limited to one location, GW-2 (primary and duplicate samples). Exceedances of TPH screening levels in groundwater are depicted on Figure 11.

6.3 Active and Passive Soil Vapor

Roux collected 21 active and 18 passive soil vapor samples (including duplicates) to delineate and confirm previous VOC detections in soil vapor and assess potential bio-attenuation conditions in the subsurface at the Site. Active soil vapor samples were collected from depths between 4 and 8 feet bgs; passive soil vapor samples were collected at approximately 1.0 foot bgs. All soil vapor samples were analyzed for VOCs and TPH-g; active soil vapor samples were also analyzed for fixed gasses (carbon dioxide, carbon monoxide, helium, methane, nitrogen, and oxygen). VOCs with concentrations above screening criteria, and the respective samples, are as follows:

- 1,1-DCA: SVP-36-5;
- 1,4-dichlorobenzene (DCB): SVP-36-5, SVP-36-8 SV-62-4;
- Benzene: SVP-06-5, SVP-13-5, SVP-32-8, SVP-36-8, SVP-53-5, SVP-57-5, SVP-62-4, PSG-25A, PSG-25B, PSG-62A;
- Chloroform: SVP-13-5, SVP-13-8, SVP-25-5,
- Naphthalene: PSG-62B, DUP-02, PSG-62A;
- PCE: SVP-10-5, SVP-25-5, SVP-25-8, PSG-10C, PSG-62D;
- TCE: SVP-25-8, SV-62-4, PSG-41B, PSG-41C, PSG-41D, PSG-62B, PSG-62C, PSG-62D;
- Vinyl chloride: SVP-32-8, SVP-36-5, SVP-45-5, SVP-57-5, SVP-62-4; and
- TPH-g: SVP-10-8, SVP-13-5, SVP-25-5, SVP-36-5, SVP-36-8, SVP-53-5, SVP-57-5, SVP-62-4.

The following discussion presents the delineation of VOCs at each previously identified hot spot and the potential for natural bio-attenuation of petroleum-related compounds (benzene and TPH-g) near the active soil vapor sampling locations sampled during this DGI. Exceedances of VOCs and TPH-g are summarized on Figure 12 and concentration maps of PCE, TCE, benzene, vinyl chloride, and TPH-g concentrations are presented on Figures 13a through 17.

PCE

The highest PCE concentrations in soil vapor had been identified during the 2023 Investigation at passive soil vapor sampling locations PSG-10, PSG-25, and PSG-62. Passive step-out and active soil vapor samples at each of these locations were collected to confirm and delineate PCE in soil vapor, as shown on Figures 13a and 13b.

The active soil vapor sample collected at location SVP-10, coincident with historical location PSG-10, confirmed the presence of elevated PCE concentrations. The passive step-out samples to the north, east, and south delineate the extent of PCE above screening criteria around location SVP-10; however, the PCE concentration in step-out location PSG-10C to the west of location SVP-10 exceeds screening criteria.

The active soil vapor sample collected at location SVP-25, coincident with historical location PSG-25, confirmed the presence of elevated PCE concentrations. The passive step-out samples delineate PCE above

screening criteria in all directions around location SVP-25 because PCE concentrations, when detected, were below screening criteria at all step-out locations.

The active soil vapor sample collected at location SVP-62, coincident with historical location PSG-62, did not contain PCE concentrations above screening levels. The passive step-out samples delineate PCE to the east, north, and west of location SVP-62; however, the PCE concentration in step-out location PSG-62D to the south of location SVP-62 exceeds screening criteria.

No other exceedances of PCE screening criteria in active or passive soil vapor samples were detected at the Site during this DGI. However, the PCE reporting limits for soil vapor samples collected at sample location SVP-36, located to the west of SVP-25, were above PCE screening criteria in soil vapor (Figures 13b).

TCE

The highest TCE concentrations in soil vapor had been identified during the 2023 Investigation at passive soil vapor locations PSG-25, PSG-41, and PSG-62. Passive step-out and active soil vapor samples at each of these locations were collected to confirm and delineate TCE in soil vapor, as shown on Figures 14a and 14b.

At the active soil vapor sample collected at location SVP-25, coincident with historical location PSG-25, the TCE concentration in soil vapor at 5 feet bgs was detected just below the screening criteria while the TCE concentration at 8 feet bgs was detected above screening criteria. TCE was not detected above screening criteria in step-out passive soil vapor samples collected around SVP-25, indicating that the extent of TCE above screening levels has been delineated around location SVP-25.

TCE was not detected above screening criteria in the active soil vapor sample collected at location SVP-41, coincident with historical location PSG-41. However, passive soil vapor samples contain TCE concentrations above screening criteria to the east, south, and west of SVP-41.

The active soil vapor sample collected at location SVP-62, coincident with historical location PSG-62, confirmed the presence of elevated TCE concentrations. TCE was detected above screening criteria in all four step-out passive soil vapor sample locations. The highest TCE concentration was detected in the passive soil vapor sample PSG-62D, to the south of SVP-62.

No other exceedances of TCE screening criteria in active or passive soil vapor samples were detected at the Site during the DGI. However, the TCE reporting limit for the shallow soil-vapor sample collected from active soil vapor sample location SVP-36 was elevated above the TCE screening criteria due to interference related to high TPH-g concentrations in this sample.

Benzene

Results of the 2023 Investigation indicated that benzene exceeded screening criteria in soil vapor across large portions of the Site. Of the 12 active and 16 passive soil vapors sample locations across the Site during the DGI, benzene concentrations at seven active (at 4, 5 and/or 8-feet bgs depth; including two duplicates) and three passive sample locations were equal to or exceeded screening criteria for benzene. The DGI results confirm that benzene is present in soil vapor in most areas of the Site. However, most of the benzene detections are below screening levels and most of the screening-level exceedances are minor (Figures 15a and 15b). Only six benzene detections are greater than two times the screening level of 14 µg/m^3.

Figure 15b depicts the DGI soil vapor results with isoconcentrations and heat mapping to demonstrate the estimated extent of benzene concentrations above screening levels around each investigation point.

Vinyl chloride

Vinyl chloride was not detected in soil vapor above its screening criteria during the 2023 Investigation. During the DGI, vinyl chloride was detected above screening criteria at six active soil vapor samples (including one duplicate), primarily at a depth of 4 to 5 feet bgs. However, similar to previous passive soil vapor investigation results, vinyl chloride was not detected above laboratory reporting limits in passive soil vapor samples. Figure 16 depicts the DGI soil vapor results with isoconcentrations to demonstrate the estimated extent of vinyl chloride concentrations above screening levels around each investigation point.

TPH-g

TPH-g was not detected in soil vapor above its screening criteria during the 2023 Investigation. During the DGI, TPH-g was detected above screening criteria in 10 active soil vapor samples (8 primary and 2 duplicates), primarily at a depth of 4 to 5 feet bgs. TPH-g was not detected above screening criteria in any of the passive soil vapor samples analyzed from the Site during the DGI. All TPH-g exceedances of screening criteria were detected within/adjacent to the footprint of the former structures or downgradient of former USTs at the Site.

Bioattenuation Potential for Petroleum-Related Compounds

Bioattenuation potential is evaluated based on the presence of oxygen in the subsurface, among other physical attributes of the Site Conceptual Model at a petroleum release site. Oxygen concentrations above 4% at depths greater than 5 feet bgs generally indicate favorable conditions for bioattenuation of petroleum-related compounds in soil vapor. The DGI provides an initial evaluation of Site-wide subsurface oxygen concentrations. Oxygen concentrations observed across the Site indicate a bioattenuation potential, however, at some locations where concentrations of petroleum-related compounds were detected in exceedance of their respective screening criteria, oxygen in the subsurface appears to have already been consumed via the bioattenuation process. At these locations, concentrations of petroleum compounds exceed acceptable soil-vapor-risk-based limits for their vapor intrusion potential to indoor air, limiting the bioattenuation potential at the Site.

Oxygen data collected at each active soil vapor sampling probe is presented on Table 11 and shown on Figure 12. The oxygen data details the bioattenuation potential for petroleum related compounds detected in soil vapor at the Site. Approximately half of the detections exceeding applicable screening criteria qualify as potential locations where natural bioattenuation of soil vapor impacts can be expected.

7 Conclusions and Recommendations

This section presents the conclusions and recommendations based on the results of the DGI.

7.1 Soil

In preparation for the anticipated redevelopment of the Site, 267 soil samples were collected and analyzed from across the Site to characterize near-surface soil. Soil samples were analyzed for metals, VOCs, SVOCs, TPH-g/d/mo, and/or PCBs.

Exceedances of applicable screening levels for arsenic, cobalt, lead, nickel, benzene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, ethylbenzene, naphthalene, TPH-g, TPH-d C12-C22, TPH-d C22-32, PCB-1242, PCB-1254, and PCB-1260 were observed in shallow soils at the Site. The exceedances of soil screening criteria are sporadic and relatively minor, except for lead concentrations.

During proposed redevelopment activities for the construction of the 320,000-square-foot warehouse building and associated parking lot at the Site, shallow soil will be reworked and construction workers are likely to be exposed to elevated metals in soil. It is recommended that all soil disturbing activities at the Site be conducted in accordance with the approved Revised Site Management Plan (AB&I, 2011a). Upon completion of redevelopment activities at the Site, the majority of the Site will be covered by the proposed building, concrete, and asphalt, with a thin bio-swale skirting the edges of the Site, as shown in Figure 5. To prevent post-redevelopment exposure of soil impacts within the proposed bio-swales, it is recommended to use geotextile fabric to reduce the exposure of impacted soil during landscaping activities.

The DGI generated a large data set that can be used to evaluate and mitigate risk to construction workers and future commercial/industrial workers at the site. There are sufficient soil data to adequately characterize soil conditions in the planned utility corridors and bio-swales, and that can be used to ensure worker safety. The data collected during this DGI are sufficient to inform waste management decisions. However, additional data may be collected as needed to satisfy landfill requirements and the Revised Site Management Plan.

The nearly complete coverage of the Site with the planned building and paved areas will eliminate direct contact with soil after Site redevelopment is completed. A land use covenant (LUC) will be required for the Site. The LUC and related documents will provide protection for potential receptors through the maintenance of engineering and institutional controls. Additional characterization of soil at the Site would not provide any needed information and, therefore, is not warranted or recommended.

7.2 Groundwater

Roux collected groundwater samples at 13 locations (P-01, P-02, P-04, P-06, P-08, P-10, P-11, and GW-1 through GW-6) across the Site and analyzed for total and dissolved metals, VOCs, and TPH with the purpose of targeting data gaps identified following the 2023 Investigation and the demolition of the historical structures in November 2023.

Exceedances of applicable screening criteria for arsenic, barium, beryllium, cadmium, chromium, lead, nickel, zinc, 1,1-DCA, 1,1-DCE, benzene, cis-1,2-DCE, ethylbenzene, naphthalene, PCE, toluene, TCE, vinyl chloride, TPH-g, and TPH-d were detected in groundwater samples collected at the Site. The screening-level exceedances for organic compounds and dissolved metals are relatively minor. The data collected during the DGI and the data collected quarterly from permanent wells provide an adequate characterization of

groundwater conditions at the Site. The existing monitoring wells will continue to be sampled quarterly with the next round scheduled during fourth quarter 2024. No additional groundwater investigations are warranted or recommended.

7.3 Soil Vapor

Active and passive soil vapor samples collected during this DGI confirmed the presence of previously detected compounds in soil vapor at the Site, including 1,1-DCE, 1,4-DCB, benzene, chloroform, naphthalene, PCE, TCE, vinyl chloride, and TPH-g. Passive step-out soil vapor samples provided limited delineation of previously detected VOCs. Data collected during this DGI provide delineation of the lateral extent of VOCs in soil vapor, relative to screening criteria.

Based on the soil vapor results of this investigation, Roux recommends the development of a Vapor Intrusion Site Conceptual Model (VICSM) in accordance with ACEHD's Decision Matrix for Development Vapor Intrusion Conceptual Site Model and Vapor Intrusion Risk Classification, dated May 14, 2021. The DGI results provide the data needed to prepare the VICSM. Therefore, no additional soil-vapor investigations are warranted or recommended.

8 References

AB&I, 2008a. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Site Investigation Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. February 15.

AB&I, 2008b. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Quarterly Groundwater Monitoring and Sampling Report First Quarter 2008, AB&I Foundry, 7825 San Leandro Street, Oakland, California. April 24.

AB&I, 2008c. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Additional Site Investigation Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. September 25.

AB&I, 2009a. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Quarterly Groundwater Monitoring and Sampling Report Third and Fourth Quarter 2008, AB&I Foundry, 7825 San Leandro Street, Oakland, California. January 13.

AB&I, 2009b. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Supplemental Soil Vapor Investigation Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. February 15.

AB&I, 2009c. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Enhanced Aerobic Biodegradation Pilot Study Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. October 7.

AB&I, 2009d. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Enhanced Anaerobic Biodegradation Pilot Study Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. October 7.

AB&I, 2010a. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Semi-Annual Monitoring Report and Request for Site Closure, AB&I Foundry, 7825 San Leandro Street, Oakland, California. September 7.

AB&I, 2010b. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Semi-Annual Monitoring and Pilot Study Progress Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. January 29.

AB&I, 2011a. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Revised Site Management Plan, AB&I Foundry, 7825 San Leandro Street, Oakland, California. July 19.

AB&I, 2011b. Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 Well Decommissioning Report, AB&I Foundry, 7825 San Leandro Street, Oakland, California. November 22.

ACEHD, 2009. Subject: Letter regarding, “Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 American Brass & Iron Foundry, 7825 San Leandro Street, Oakland, CA 94621,” May 20.

ACEHD, 2010. Subject: Letter regarding, “Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 American Brass & Iron Foundry, 7825 San Leandro Street, Oakland, CA 94621,” March 2.

ACEHD, 2011. Subject: Letter regarding, “Fuel Leak Case No. RO0000092 and Geotracker Global ID T0600100065 American Brass & Iron Foundry, 7825 San Leandro Street, Oakland, CA 94621,” April 28

BSK, 2007. Preliminary Groundwater Investigation Report AB&I Foundry. June 11.

DTSC, 2015. Advisory - Active Soil Gas Investigations. July.

Duvergé, Dylan Jacques, 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region. December 5.

Graymer, R.W., 2000. Geologic Map and Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California. United States Geological Survey.

H&A, 2022a. ASTM Phase I Environmental Site Assessment, AB&I Foundry, 7741, 7825, and 7929 San Leandro Street, Oakland, California. April 20.

H&A, 2022b. Limited Phase II Environmental Investigation Results, 7825 San Leandro Street, Oakland, California. May 9.

Helley, E.J., K.R. Lajoie, W.E. Spangle, and M.L. Blair, 1979. Flatland Deposits of the San Francisco Bay Region, California, Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning. U.S. Geological Survey Professional Paper 943. Washington D.C.

Langan, 2024. Proposed Work Plan – Supplemental Geotechnical Exploration Program, 7825 San Leandro Street, Oakland, California. May 22.

Muir, K.S., 1993. Geologic Framework of the East Bay Plain Groundwater Basin, Alameda County, California.

Roux, 2023a. Conceptual Supplemental Subsurface Investigation Memorandum, 7825 San Leandro Street, Oakland, California, Alameda County LOP Case No. RO0003535. October 16.

Roux, 2023b. Passive Soil Gas and Groundwater Investigation Report, 7825 San Leandro Street, Oakland, California, Alameda County LOP Case No. RO0003535. October 4.

Roux, 2024a. Quarterly Groundwater Monitoring Report – Fourth Quarter 2023. January 19.

Roux, 2024b. Second Quarterly Groundwater Monitoring Report – First Quarter 2024. April 17.

Roux, 2024c. Revised Site Conceptual Model and Data Gap Investigation Work Plan, 7825 San Leandro Street, Oakland, California, Alameda County LOP Case No. RO0003535. May 13.

Roux, 2024d. Quarterly Groundwater Monitoring Report – Second Quarter 2024. July 22.

Roux, 2024e. Quarterly Groundwater Monitoring Report – Third Quarter 2024. September 27.

RWQCB, 2019. Environmental Screening Levels (ESLs): 2019 Update (Revision 2). June.

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Table 1. Sampling and Analysis Summary. AB and I Redevelopment; Oakland, California.

			Analyses[2]																
			Soil						Water			Soil Gas							
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
Soil & Grab Groundwater Sampling Locations																			
G-A1-1	A1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid A1.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●	●											
		3.0 - 4.0			●														
		4.0 - 5.0	●		●	●													
G/BS-A2-1	A2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid A2 and the extent of the proposed bio swale and evaluate magnitude and extent of previous investigation.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●	●											
		3.0 - 4.0			●														
		4.0 - 5.0	●		●	●													
UC-A2-1	A2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions in the proposed utility corridor.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
		7.0 - 8.0																	
		9.0 - 10.0	●																
G/BS-A3-1	A3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid A3 and the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
UC-A3-1	A3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions in the proposed utility corridor.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
		7.0 - 8.0																	
		9.0 - 10.0	●																
BS-B1-1	B1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G/UC-B1-1	B1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid B1 and the proposed utility corridor.	G/UC-B1-1-5.0 soil sample not analyzed for arsenic due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●				**As**												
		4.0 - 5.0	●	●	●	●													
		7.0 - 8.0	●																
		9.0 - 10.0	●	●															
G-B2-1	B2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid B2.	G-B2-1-5.0 soil sample not analyzed for lead due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0					**Cu, Pb, Ni**												
		4.0 - 5.0	●	●	●	●													
G-B3-1	B3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid B3.	G-B3-1-5.0 soil sample not analyzed for nickel due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●				**Ni**												
		4.0 - 5.0	●		●	●													
GW-5	B3	GW interface - 9.5 - 10 ft bgs	●		●	●												Assess TCE impacts in groundwater proximate to PSG-41.	--
		1st Encountered GW - 10 - 14.5 ft bgs							●	●	●								
		2nd Encountered GW - 20.5 - 25 ft bgs							●	●	●								

Table 1. Sampling and Analysis Summary. AB and I Redevelopment; Oakland, California.

			Analyses[2]																	
			Soil						Water			Soil Gas								
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
G/UC-B4-1	B4	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid B4 and the proposed utility corridor.	--
		1.0 - 2.0	●	●	●		●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●		●														
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●		●														
		9.0 - 10.0	●																
UC-B4-2	B4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions in the proposed utility corridor.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
		7.0 - 8.0																	
		9.0 - 10.0	●																
BS-C1-1	C1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G/UC-C1-1	C1	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid C1 and the proposed utility corridor.	--
		1.0 - 2.0	●	●	●	●	●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0			●	●													
		4.0 - 5.0	●		●	●													
		7.0 - 8.0																	
		9.0 - 10.0	●																
G-C2-1	C2	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid C2.	--
		1.0 - 2.0	●	●	●	●	●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0			●	●													
		4.0 - 5.0	●		●	●													
G-C3-1	C3	0.5 - 1.0		●	●	●	●	●										Establish baseline shallow soil conditions within grid C3.	--
		1.0 - 2.0	●	●	●	●	●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0			●	●													
		4.0 - 5.0	●		●	●													
G/UC-C4-1/P-10	C4	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid C4 and the utility corridor. Following the collection of the utility corridor shallow soil samples, an additional soil sample was collected at the observed groundwater interface. Grab groundwater was collected to assess groundwater conditions immediately downgradient of PIT-10.	G/UC-C4-1-5.0 soil sample not analyzed for lead due to lab disposing of sample without notice.
		1.0 - 2.0	●	●	●	●	●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0			●	●	Pb												
		4.0 - 5.0	●		●	●													
		7.0 - 8.0																	
		9.0 - 10.0	●																
		GW interface - 18.5 - 19 ft bgs	●		●	●													
		1st Encountered GW - 18.5 - 20 ft bgs							●	●	●								
BS-D1-1	D1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G-D1-1	D1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid D1.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													

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			Analyses[2]																	
			Soil						Water			Soil Gas								
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
G-D2-1	D2	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid D2.	--
		1.0 - 2.0	●	●	●	●	●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0			●	●													
		4.0 - 5.0	●		●	●													
G-D3-1	D3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid D3.	G-D3-1-4.0 soil sample not analyzed for arsenic due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●	●											
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G/BS-D4-1	D4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid D4 and the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●	●											
		3.0 - 4.0					●												
		4.0 - 5.0	●		●	●													
BS-E1-1/GW-1	E1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale and at the groundwater interface. **Co-located boring with GW-1.** Following the collection of the proposed bio swale soil samples, an additional soil sample was collected at the observed groundwater interface. Grab groundwater sampling will be attempted at two depth intervals to assess vinyl chloride impacts in groundwater proximate to MW-12.	GW-1 advanced to 35 ft bgs and boring was dry after 24 hours. No 2nd encountered grab groundwater sample collected at GW-1. BS-E1-1-5.0 soil sample not analyzed for lead due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0		●			●												
		4.0 - 5.0	●		●	●													
		GW interface - 13 - 13.5 ft bgs	●		●	●													
		1st Encountered GW - 12 - 15 ft bgs							●	●	●								
		~~2nd Encountered GW~~																	
G-E1-1/GW-2	E1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions and evaluate magnitude and extent of previous investigation. **Co-located boring with GW-2.** Following the collection of the proposed bio swale soil samples, an additional soil sample was collected at the observed groundwater interface. Grab groundwater was collected at two depth intervals to assess vinyl chloride impacts in groundwater proximate to MW-12.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0		●	●	●													
		4.0 - 5.0	●		●	●													
		GW interface - 13 - 13.5 ft bgs	●		●	●													
		1st Encountered GW - 13 - 13.5 ft bgs							●	●	●								
		2nd Encountered GW - 18 - 25 ft bgs							●	●	●								
GW-3	E1	GW interface - 12.5 - 13 ft bgs	●		●	●												Further assess vinyl chloride impacts in groundwater proximate to MW-12.	--
		1st Encountered GW - 12.5 - 15 ft bgs							●	●	●								
		2nd Encountered GW - 18.5 - 20 ft bgs							●	●	●								
G-E2-1	E2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid E2.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G-E3-1	E3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid E3.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0					●												
		4.0 - 5.0	●		●	●													
G/BS-E4-1	E4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid E4 and the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
P-11	E4	GW interface - 12 - 12.5 ft bgs	●		●	●												Assess groundwater conditions immediately downgradient of PIT-11.	--
		1st Encountered GW - 12 - 13.5 ft bgs							●	●	●								
BS-F1-1	F1	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●	●		●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●		●														
		4.0 - 5.0	●		●	●													

Table 1. Sampling and Analysis Summary. AB and I Redevelopment; Oakland, California.

			Analyses[2]																	
			Soil						Water			Soil Gas								
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
G-F1-1	F1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid F1.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0					**Pb, Ni**												
		4.0 - 5.0	●		●	●													
GW-4	F1	GW interface - 13 - 13.5 ft bgs	●		●	●												Further assess vinyl chloride impacts in groundwater proximate to MW-12.	--
		1st Encountered GW - 13.5 - 14 ft bgs							●	●	●								
		2nd Encountered GW - 22 - 23 ft bgs							●	●	●								
G-F2-1	F2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid F2.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●	●															
		4.0 - 5.0	●	●	●	●													
P-02	F2	GW interface - 12 - 12.5 ft bgs	●		●	●												Assess groundwater conditions immediately downgradient of PIT-02.	--
		1st Encountered GW - 12.5 - 13 ft bgs							●	●	●								
G-F3-1/P-03	F3	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid F3. Following the collection of the baseline shallow soil samples, an additional soil sample was collected at the observed groundwater interface. Grab groundwater sampling will be attempted to assess groundwater conditions immediately downgradient of PIT-3.	G-F3-1/P-03 boring encountered refusal at 4.5 ft bgs. Soil samples collected up to 4.5 ft bgs. No groundwater interface soil sample collected and no groundwater sample collected.
		1.0 - 2.0	●	●	●	●	●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 4.5	●		●	●													
		~~GW interface~~																	
		~~1st Encountered GW~~																	
G/BS-F4-1	F4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid F4 and the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
BS-G1-1	G1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G-G1-1	G1	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid G1.	--
		1.0 - 2.0	●	●	●	●	●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0			●	●	**Pb**												
		4.0 - 5.0	●		●	●													
G-G2-1	G2	0.5 - 1.0		●	●		●	●										Establish baseline shallow soil conditions within grid G2.	--
		1.0 - 2.0	●	●	●	●	●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●		●	●	●												
		4.0 - 5.0	●		●	●													
G-G3-1	G3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid G3.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0																	
		4.0 - 5.0	●		●	●													
G-G4-1/P-12	G4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid G4. Following the collection of the utility corridor shallow soil samples, an additional soil sample was collected at the observed groundwater interface.Th groundwater interface sample coincided with the planned soil sample at 4 to 5 ft bgs. Grab groundwater was collected to assess groundwater conditions immediately downgradient of PIT-12.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0					**Ni**												
		4.0 - 5.0	●		●	●													
		GW interface - 4 - 5 ft bgs	●		●	●													
		1st Encountered GW - 5 - 8.5 ft bgs							●	●	●								
G/BS-H1-1	H1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid H1 and the proposed bio swalen.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 5.0	●		●	●													

Table 1. Sampling and Analysis Summary. AB and I Redevelopment; Oakland, California.

			Analyses[2]																
			Soil						Water			Soil Gas							
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
UC-H1-1	H1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions in the proposed utility corridor.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●	●	●	●													
		9.0 - 10.0	●																
P-01	H1	GW interface - 16 - 16.5 ft bgs	●		●	●												Assess groundwater conditions immediately downgradient of PIT-01.	--
		1st Encountered GW - 16 - 17.5 ft bgs							●	●	●								
G-H2-1	H2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid H2.	G-H2-1-2.0 soil sample not analyzed for PCB 1260 due to lab disposing of sample without notice.
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●	●	●	●	**As, Pb**												
		4.0 - 5.0	●		●	●													
GW-6	H2	GW interface - 17 - 17.5 ft bgs	●		●	●												Assess benzene, PCE, and TCE impacts in groundwater proximate to PSG-25. See above for soil sampling depths and analyses.	--
		1st Encountered GW - 17 - 18 ft bgs							●	●	●								
		2nd Encountered GW - 21 - 22.5 ft bgs							●	●	●								
G-H3-1	H3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid H3.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●	●											
		3.0 - 4.0	●	●	●	●	**Pb**	●											
		4.0 - 5.0	●		●	●													
P-06	H3	GW interface - 4.5 - 5 ft bgs	●		●	●												Assess groundwater conditions immediately downgradient of PIT-04, -05, and -06.	--
		1st Encountered GW - 5 - 6.5 ft bgs							●	●	●								
G/UC-H4-1	H4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid H4 and the proposed utility corridor.	G/UC-H4-1 boring encountered refusal at 4.75 ft bgs. Soil samples collected up to 4.75 ft bgs.
		1.0 - 2.0	●	●			●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 4.75	●		●	●													
		~~7.0 - 8.0~~																	
		~~9.0 - 10.0~~																	
P-08	H4	GW interface - 4.5 - 5 ft bgs	●		●	●												Assess groundwater conditions immediately downgradient of PIT-08 and -09.	--
		1st Encountered GW - 5 - 10 ft bgs							●	●	●								
BS-I1-1	I1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0		●	●	●	**As, Co, Ni**												
		4.0 - 5.0	●		●	●	**Ar**												
G/UC-I1-1	I1	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid I1 and the extent of the proposed utility corridor.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●	**As**												
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●	●	●	●													
		9.0 - 10.0	●																
BS-I2-1	I2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 5.0	●		●	●													
G/UC-I2-1	I2	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid I2 and the proposed utility corridor.	--
		1.0 - 2.0	●	●			●												
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●	●	●	●													
		9.0 - 10.0	●																

Table 1. Sampling and Analysis Summary. AB and I Redevelopment; Oakland, California.

			Analyses[2]																
			Soil						Water			Soil Gas							
Location / Sample ID	Sample Grid	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
BS-I3-1	I3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within the extent of the proposed bio swale.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0	●	●	●	●	●												
		3.0 - 4.0		●	●	●													
		4.0 - 5.0	●		●	●													
G/UC-I3-1	I3	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid I3 and the proposed utility corridor.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●													
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●	●	●	●													
		9.0 - 10.0	●																
G/UC-I4-1	I4	0.5 - 1.0		●			●	●										Establish baseline shallow soil conditions within grid I4 and the proposed utility corridor.	--
		1.0 - 2.0	●	●			●	●											
		2.0 - 3.0		●	●	●	●												
		3.0 - 4.0	●	●	●	●	As, Pb												
		4.0 - 5.0	●		●	●													
		7.0 - 8.0	●	●	●	●													
		9.0 - 10.0	●																

		Analyses[2]																	
		Soil						Water			Soil Gas								
Location / Sample ID	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
Passive Soil Gas Step Out Sample Locations																		
PSG-10A	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-10.	--
PSG-10B	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-10.	--
PSG-10C	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-10.	--
PSG-10D	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-10.	--
PSG-25A	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-25.	--
PSG-25B	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-25.	--
PSG-25C	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-25.	--
PSG-25D	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-25.	--
PSG-41A	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-41.	--
PSG-41B	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-41.	--
PSG-41C	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-41.	--
PSG-41D	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-41.	--
PSG-62A	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-62.	--
PSG-62B	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-62.	--
PSG-62C	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-62.	--
PSG-62D	3 ft bgs or bottom of hardscape										●	●	●				Further delineation of soil gas proximate to PSG-62.	--
Soil Vapor Probe Locations																		
SVP-06-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-06 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	Soil sample collected at 5 ft bgs due to elevated PID reading.
	8.0													●	●	●		
SVP-10-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-10 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	Soil sample collected at 5 ft bgs due to elevated PID reading.
	8.0													●	●	●		
SVP-13-5/-8	5.0													●	●	●	Confirm the accuracy of the PSG-13 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	--
	8.0													●	●	●		
SVP-25-5/-8	5.0													●	●	●	Confirm the accuracy of the PSG-25 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	Soil sample collected at 8 ft bgs due to elevated PID reading.
	8.0	●		●	●									●	●	●		
SVP-32-5/-8	~~5.0~~																Confirm the accuracy of the PSG-32 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	SVP-32-5 not collected due to high downhole vacuum during purge.
	8.0													●	●	●		

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		Analyses[2]																
		Soil						Water			Soil Gas							
Location / Sample ID	Sample Depths[1]	VOCs	SVOCs	TPH-g	TPH-d/ -mo	CAM 17 Metals	PCBs	VOCs	TPH g/d/mo	CAM 17 Metals	VOCs	TPH C4 - C9	TPH C10 - C15	TO-3	TO-15	Fixed Gases	Purpose/Rationale	Deviations
SVP-36-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-36 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	Soil samples collected at 5 and 8 ft bgs due to elevated PID reading.
	8.0	●		●	●									●	●	●		
SVP-41-5/-8	5.0													●	●	●	Confirm the accuracy of the PSG-41 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	--
	8.0													●	●	●		
SVP-45-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-45 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	SVP-45-8 not installed due to first encountered groundwater at 7 ft bgs. Soil sample collected at 5 ft bgs due to elevated PID reading.
	~~8.0~~																	
SVP-52-5/-8	5.0													●	●	●	Confirm the accuracy of the PSG-52 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	--
	8.0													●	●	●		
SVP-53-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-53 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	Soil sample collected at 5 ft bgs due to elevated PID reading.
	8.0													●	●	●		
SVP-57-5/-8	5.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-57 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	SVP-57-8 not installed due to first encountered groundwater at 7 ft bgs. Soil sample collected at 5 ft bgs due to elevated PID reading.
	~~8.0~~																	
SVP-61-4/-8	4.0	●		●	●												Confirm the accuracy of the PSG-61 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	SVP-61-5 installed at 4 ft bgs due to first encountered groundwater at 5 ft bgs. SVP-61-5 renamed to SVP-61-4. SVP-61-8 not installed due to first encountered groundwater at 5 ft bgs. Soil vapor sample not collected at SVP-61-4 due to water encountered in sample line while purging. Soil sample collected at 4 ft bgs due to elevated PID reading.
	~~8.0~~																	
SVP-62-4/-8	4.0	●		●	●									●	●	●	Confirm the accuracy of the PSG-62 results, collect fixed gas data to assess bio-attenuation and assess the vertical extent of chlorinated VOC impacts in soil gas.	SVP-62-5 installed at 4 ft bgs due to first encountered groundwater at 5 ft bgs. SVP-62-5 renamed to SVP-62-4. SVP-62-8 not installed due to first encountered groundwater at 5 ft bgs. Soil sample collected at 4 ft bgs due to elevated PID reading.
	~~8.0~~																	
IDW Samples																		
IDW-SOIL	--	●		●	●	●											IDW characterization.	--
IDW-WATER	--							●	●	●								

Notes:

"●" indicates discrete sample collected from this location and depth and run for the given analysis.

"--" indicates not applicable.

"As" indicates arsenic analysis.

"Co" indicated cobalt analysis.

"Cu" indicates copper analysis.

"ft bgs" indicates feet below ground surface.

"GW" indicates groundwater.

"IDW" indicates investigation-derived waste.

"Pb" indicated lead analysis.

"PID" indicates photoionization detector.

"Ni" indicates nickel analysis.

"~~Strikethrough~~" indicates sample was not collected.

"PCE" indicates tetrachloroethylene.

"TCE" indicates trichloroethylene.

(1) "Sample Depths" indicates approximate feet below current ground surface (ft bgs) of top of sample unless otherwise specified.

(2) "Analyses" indicates laboratory analytical methods as follows:

"TO-3" indicates total petroleum hydrocarbons as gasoline by USEPA Method TO-3.

"TO-15" indicates volatile organic compounds by USEPA Method TO-15.

"Fixed Gases" for soil gas analyses indicates helium, carbon monoxide, carbon dioxide, methane, nitrogen and oxygen by ASTM Method D-1946.

"VOCs" for soil and groundwater analyses indicates Volatile Organic Compounds by USEPA Method 8260B.

"SVOCs" for soil analysis indicates Semi-Volatile Organic Compounds by USEPA Method 8270C.

"CAM 17 Metals" for soil and groundwater analyses indicates the Title 22/CAM 17 list of Metals by USEPA Method 6020. Water samples will be filtered (0.45 micron) and unfiltered.

"TPH g/d/mo" for soil and groundwater analyses indicates Total Petroleum Hydrocarbons as gasoline, diesel and motor oil by USEPA Method 8260B and/or 8015.

"PCBs" for soil analyses indicates Polychlorinated biphenyls by USEPA Method 8082A.

"VOCs, TPH C4-C9, and TPH C10-15" for soil gas analyses indicates chlorinated volatile organic compounds and volatile hydrocarbons by USEPA Method 8260C.

*All borings were continuously logged by a Roux geologist or engineer and screened for VOCs with a photoionization detector (PID). In addition to the scope described above, soil samples were collected at depths where elevated PID readings were observed. Soil samples were not collected below the groundwater interface. Multi-depth grab groundwater samples were collected from co-located borings noted as "1st Encountered GW" and "2nd Encountered GW".

Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	BS-B1-1 1.0 5/20/2024	BS-B1-1 2.0 5/20/2024	BS-B1-1 3.0 5/20/2024	BS-C1-1 1.0 5/21/2024	BS-C1-1 2.0 5/21/2024	BS-C1-1 3.0 5/21/2024	BS-D1-1 1.0 5/24/2024	BS-D1-1 2.0 5/24/2024	BS-D1-1 3.0 5/24/2024	BS-E1-1 1.0 5/22/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.658 J-	**2.51**	<0.702 J-	<0.588	<0.582	<0.713	<0.602	**2.32**	**3.74**	<0.662
Arsenic	9.76E-01	3.05E-01	11	**3.15**	**6.2**	**3.21**	**4.02**	**5.66**	**5.77**	**3.25**	**3.87**	**4.7**	**5.71**
Barium	3.02E+03	2.17E+05	NS	**66.1**	**160**	**185**	**139 J-**	**90.3 J-**	**96.9 J-**	**140**	**233**	**131**	**113**
Beryllium	2.72E+01	2.32E+02	NS	<0.0381	**0.467**	**0.491**	<0.034	<0.0337	**0.266**	<0.0348	**0.244**	<0.0347	**0.312**
Cadmium	5.09E+01	1.15E+03	NS	<0.057	<0.055	<0.0608	<0.0509	<0.0504	<0.0617	**0.681**	<0.0518	<0.0518	<0.0573
Chromium	NS	NS	NS	**13.9**	**32.2**	**24.8**	**21.7**	**27.1**	**28.3**	**29.3**	**24.2**	**15.7**	**39**
Cobalt	2.79E+01	3.47E+02	NS	**7.6**	**12.4**	**13.7**	**7.77**	**11.7**	**10.9**	**12.3**	**10**	**11.7**	**19.4**
Copper	1.42E+04	4.67E+04	NS	**44.6 J-**	**34.8 J5**	**18.5 J-**	**20.6**	**27.4**	**27.5**	**64.5**	**121**	**34.9**	**24.2**
Lead	1.60E+02	3.20E+02	NS	**40.8 J**	**59.1**	**16.2 J**	**42.3**	**57.4**	**19.9**	**200**	**178**	**33.8**	**32.3**
Molybdenum	1.77E+03	5.84E+03	NS	<0.132	<0.127	<0.141	**0.565**	<0.117	<0.143	<0.121	<0.12	**0.732**	<0.133
Nickel	8.63E+01	1.11E+04	NS	**22.5**	**41.2**	**44.9**	**26.1 J-**	**41.6 J-**	**46.3 J-**	**38.5**	**23.1**	**22.1**	**117**
Selenium	1.75E+03	5.84E+03	NS	<0.925	<0.891	<0.986	<0.825	<0.818	<1	<0.845	<0.84	<0.841	<0.929
Silver	1.77E+03	5.84E+03	NS	<0.154	<0.148	<0.164	<0.137	<0.136	<0.166	<0.14	<0.14	<0.14	**3.31**
Thallium	3.54E+00	1.17E+01	NS	<0.477	<0.46	<0.508	<0.426	<0.422	<0.516	<0.436	<0.433	<0.434	<0.479
Vanadium	4.66E+02	5.83E+03	NS	**28.4**	**59.6**	**35.6**	**30.5**	**38.7**	**34.1**	**30.7**	**29.8**	**42.4**	**32.7**
Zinc	1.06E+05	3.50E+05	NS	**68.4**	**98.9**	**40.9**	**66.7**	**92**	**50**	**176**	**173**	**83.4**	**76.8**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.118**	**0.15**	**0.0948**	**0.133**	**0.199**	<0.0236	**0.101**	**0.136**	**0.0771**	**0.0591**

Notes:
Yellow shaded concentrations exceed the Construction Worker ESLs or accepted background concentrations.
Boxed concentrations exceed the Commercial/Industrial ESLs.
< = Not detected at or above method detection limit.
— = Sample not analyzed.
Bold = Detected concentration.
ESL = Environmental Screening Level.
ft bgs = Feet below ground surface.
Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.
mg/kg = Milligrams per kilogram.
NA* = Not analyzed due to lab disposing of sample without notice.
NS = No standard established.
RWQCB = Regional Water Quality Control Board.
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B = The same analyte is found in the associated blank.
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J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.
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V = The sample concentration is too high to evaluate accurate spike recoveries.
- = Result biased low due to laboratory quality assurance/quality control issues.
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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.
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Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-E1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-G1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	2.0	3.0	4.0	5.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.614 J-	<0.738 J-	**8.35**	—	**8.37 J6**	**5.57**	**5.64**	**3.06**	**7**	**3.54**
Arsenic	9.76E-01	3.05E-01	11	**2.77**	<0.703	**4.53**	—	**7.19**	**6.61**	**9.68**	**4.29**	**2.97**	<0.554
Barium	3.02E+03	2.17E+05	NS	**63.7**	**52.7**	**85.5**	—	**163**	**80.3**	**246**	**39**	**37.8**	**70.5**
Beryllium	2.72E+01	2.32E+02	NS	<0.0356	<0.0427	**0.319**	—	<0.0345	<0.0344	**0.413**	<0.0368	<0.036	<0.0337
Cadmium	5.09E+01	1.15E+03	NS	**2.14**	**6.27**	**6.22**	—	<0.0515	<0.0515	<0.0544	<0.055	<0.0538	<0.0503
Chromium	NS	NS	NS	**23.3**	**20.8**	**46.4**	—	**37.2**	**23.1**	**64**	**112**	**175**	**269**
Cobalt	2.79E+01	3.47E+02	NS	**4.16**	**1.47 B**	**4.59**	—	**16.6**	**8.34**	**13.7**	**7.55**	**18.5**	**6.67**
Copper	1.42E+04	4.67E+04	NS	**25 J-**	**45.6 J-**	**65.3**	—	**32.1**	**47.8**	**40.7**	**88.4**	**183**	**104**
Lead	1.60E+02	3.20E+02	NS	**490 J**	**1,470 J**	**1,430**	NA*	**99.3**	**51.6**	**66.7**	**37**	**34.2**	**23.2**
Molybdenum	1.77E+03	5.84E+03	NS	**1.69**	**3.93**	**5.33**	—	**0.663**	**0.706**	<0.126	**14.4**	**113**	**17.3**
Nickel	8.63E+01	1.11E+04	NS	**22.2**	**12.6**	**33**	—	**35.9**	**26.4**	**55.2**	**76.9**	**320**	**71.4**
Selenium	1.75E+03	5.84E+03	NS	<0.863	<1.04	<0.897	—	<0.836	<0.835	<0.882	<0.892	<0.873	<0.817
Silver	1.77E+03	5.84E+03	NS	<0.143	<0.172	<0.149	—	<0.139	<0.139	<0.147	**2.23**	<0.145	<0.136
Thallium	3.54E+00	1.17E+01	NS	<0.445	<0.534	<0.463	—	<0.431	<0.431	<0.455	<0.46	<0.45	<0.421
Vanadium	4.66E+02	5.83E+03	NS	**14.1**	**4.46**	**25.8**	—	**70.5**	**35.3**	**60.1**	**82.3**	**107**	**129**
Zinc	1.06E+05	3.50E+05	NS	**215**	**596**	**586**	—	**117**	**75**	**116**	**67.3**	**12.9**	**12.9**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.0699**	<0.0244	**0.127**	—	**0.155**	**0.0657**	**0.0904**	<0.021	<0.0206	<0.0192

Notes:

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Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	BS-I1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I3-1	BS-I3-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	1.0	2.0	3.0	4.0	5.0	1.0	2.0	3.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**15.9 J-**	**9.36 J-**	**8.56 J+**	—	—	**21.2 J-**	**9.09 J-**	**7.98 J-**	**8.6 J+**	**6.21 J+**
Arsenic	9.76E-01	3.05E-01	11	**6.8 J**	**31.5 J**	**59.5**	**13.5**	**6.35**	<0.585	**2.28 J**	<0.642	<0.596	<0.599
Barium	3.02E+03	2.17E+05	NS	**118 J**	**905 J**	**1,550**	—	—	**316 J**	**128 J**	**154 J**	**315**	**193**
Beryllium	2.72E+01	2.32E+02	NS	**0.727**	**0.326**	**0.291**	—	—	**1.11**	<0.035	**0.412**	**0.258**	<0.0364
Cadmium	5.09E+01	1.15E+03	NS	<0.0497	**2.09**	**6.09**	—	—	**3.04**	**1.43**	<0.0584	**1.13**	**1.2**
Chromium	NS	NS	NS	**22.3**	**29.2**	**52**	—	—	**88**	**22.1**	**47.4**	**52.2**	**84**
Cobalt	2.79E+01	3.47E+02	NS	**5.26**	**7.69**	**43.3**	**12.4**	—	**4.36**	**9.76**	**10.6**	**15.7**	**26.3**
Copper	1.42E+04	4.67E+04	NS	**23.7 J-**	**71.8 J-**	**82.2**	—	—	**79.7 J-**	**36.1 J-**	**21.9 J-**	**54.1**	**101**
Lead	1.60E+02	3.20E+02	NS	**13.2 J-**	**99.9 J-**	**150 J**	—	—	**711 J-**	**106 J-**	**10.1 J-**	**217 J**	**207 J**
Molybdenum	1.77E+03	5.84E+03	NS	<0.115	**1.04**	**1.48**	—	—	**9.59**	**1.26**	<0.135	**1.25**	<0.126
Nickel	8.63E+01	1.11E+04	NS	**22.4**	**32.9**	**104**	**56.5**	—	**20.2**	**27.5**	**51.8**	**64.7**	**61.1**
Selenium	1.75E+03	5.84E+03	NS	**2.7**	**3.37**	**4.43**	—	—	**6.1**	<0.848	<0.948	<0.879	<0.883
Silver	1.77E+03	5.84E+03	NS	**1.06**	<0.136	<0.15	—	—	**3.75**	<0.141	<0.158	<0.146	<0.147
Thallium	3.54E+00	1.17E+01	NS	<0.416	<0.423	<0.464	—	—	<0.445	<0.437	<0.489	<0.453	<0.455
Vanadium	4.66E+02	5.83E+03	NS	**100**	**50.8**	**59.2**	—	—	**32.4**	**33.9**	**44.8**	**52.3**	**47.1**
Zinc	1.06E+05	3.50E+05	NS	**41.1 J-**	**243 J-**	**283 J+**	—	—	**455 J-**	**265 J-**	**53.4 J-**	**373 J+**	**313 J+**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.0515**	<0.0193	<0.0212	—	—	<0.0203	**0.193**	**0.0607**	**0.232**	**0.446**

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Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	BS-I3-1 3.0 5/30/2024	G/BS-A2-1 1.0 5/20/2024	G/BS-A2-1 2.0 5/20/2024	G/BS-A2-1 3.0 5/20/2024	G/BS-A3-1 1.0 5/20/2024	G/BS-A3-1 2.0 5/20/2024	G/BS-A3-1 3.0 5/20/2024	G/BS-D4-1 1.0 5/28/2024	G/BS-D4-1 2.0 5/28/2024	G/BS-D4-1 3.0 5/28/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**6.81 J+**	<0.607 J-	<0.61 J-	<0.721 J-	**12.7 J-**	<0.622 J-	<0.645 J-	**10.5**	**4.22**	**9.32**
Arsenic	9.76E-01	3.05E-01	11	**4.88**	**3.92**	**5.06**	**4.59**	**19**	**7.17**	**2.61**	**7.75**	**13.3**	**38.7**
Barium	3.02E+03	2.17E+05	NS	**214**	**337**	**217**	**122**	**799**	**121**	**185**	**373**	**271**	**655**
Beryllium	2.72E+01	2.32E+02	NS	**0.413**	**0.288**	**0.432**	**0.267**	<0.174	<0.036	**0.342**	<0.0334	**0.289**	**0.769**
Cadmium	5.09E+01	1.15E+03	NS	<0.0546	<0.0525	**3.14**	<0.0624	**47.1**	**14.7**	<0.0558	**1.73**	**1.06**	**2.43**
Chromium	NS	NS	NS	**79**	**27.3**	**36.4**	**30.5**	**61.1**	**17.2**	**80.8**	**147**	**81.8**	**115**
Cobalt	2.79E+01	3.47E+02	NS	**11.2**	**10.3**	**9.97**	**9.8**	**20**	**8.3**	**12.9**	**8.99**	**6.12**	**9.29**
Copper	1.42E+04	4.67E+04	NS	**35.8**	**59.4 J-**	**246 J-**	**68.2 J-**	**1,030 J+**	**60.6 J+**	**36.8 J+**	**266**	**65.9**	**307**
Lead	1.60E+02	3.20E+02	NS	**109 J**	**131 J**	**625 J**	**46.2 J**	**1,220 J**	**67.1 J**	**49.8 J**	**239**	**167**	**400**
Molybdenum	1.77E+03	5.84E+03	NS	**0.892**	<0.122	**1.35**	<0.144	**8.05**	<0.125	<0.129	**14.9**	**2.52**	**4.96**
Nickel	8.63E+01	1.11E+04	NS	**57.5**	**31.3**	**55**	**45**	**103 J-**	**22.1 J-**	**52.1 J-**	**73.7**	**30.5**	**40.7**
Selenium	1.75E+03	5.84E+03	NS	<0.886	<0.852	<0.856	<1.01	<4.2	<0.874	<0.906	<0.809	<0.851	<0.852
Silver	1.77E+03	5.84E+03	NS	<0.147	<0.142	<0.142	<0.168	<0.697	<0.145	<0.151	<0.135	<0.141	<0.142
Thallium	3.54E+00	1.17E+01	NS	<0.457	<0.439	<0.441	<0.522	<2.16	<0.451	<0.467	<0.417	<0.439	<0.439
Vanadium	4.66E+02	5.83E+03	NS	**47.3**	**33.7**	**29.5**	**22.9**	**61.9**	**72.1**	**71.8**	**46**	**32.8**	**57.4**
Zinc	1.06E+05	3.50E+05	NS	**210 J+**	**160**	**414**	**70.5**	**3,250**	**212**	**51.7**	**708**	**221**	**601**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.138**	**0.239**	**0.383**	**0.151**	**0.473**	**0.16**	**0.0997**	**0.165 J-**	**0.607 J3J5J6-**	<0.0201 J-

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Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G/BS-D4-1	G/BS-F4-1	G/BS-F4-1	G/BS-F4-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	4.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/21/2024	5/21/2024	5/21/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**4.11**	**26.6**	**11.5**	<0.675	<0.667	<0.584	<0.722	<0.627	**5.18 J6-**	<0.596
Arsenic	9.76E-01	3.05E-01	11	**5.04 B**	**5.43**	**5.76**	**3.66**	**3.66**	<0.556	**3.72**	**44.9**	**1,930 J3O1V**	**3,460**
Barium	3.02E+03	2.17E+05	NS	**138**	**492**	**170**	**157**	**237**	**105**	**323**	**130 J-**	**842 J3O1V**	**723 J-**
Beryllium	2.72E+01	2.32E+02	NS	<0.0397	**0.645**	**0.343**	<0.0391	**0.509**	<0.0338	**0.785**	**0.287**	<0.0382	<0.0345
Cadmium	5.09E+01	1.15E+03	NS	**0.8**	**25.7**	**9.05**	<0.0584	<0.0578	<0.0506	<0.0625	<0.0543	**1.71**	**0.614**
Chromium	NS	NS	NS	**46.7**	**50.4**	**39.1**	**52.6**	**42.9**	**12.8**	**44.6**	**239**	**835 J3V**	**313**
Cobalt	2.79E+01	3.47E+02	NS	**7.89**	**7.12**	**7.71**	**10.9**	**14.6**	**5.63**	**14.5**	**8.97**	**15.4 J6O1**	**3.46**
Copper	1.42E+04	4.67E+04	NS	**212**	**202**	**165**	**20.3**	**29**	**30.8**	**35.7**	**29.8**	**80.7**	**50.4**
Lead	1.60E+02	3.20E+02	NS	**151**	**6,190**	**2,500**	**24.3**	**37.8**	**58.6**	**33.1**	**61.6**	**138**	**42.8**
Molybdenum	1.77E+03	5.84E+03	NS	<0.137	**5.64**	**1.49**	<0.135	<0.134	<0.117	<0.145	<0.126	**1.09**	<0.12
Nickel	8.63E+01	1.11E+04	NS	**82.7**	**40.8**	**29.9**	**53.9**	**50**	**18.3**	**62**	**39.5 J-**	**166 J3J6-**	**42.9 J-**
Selenium	1.75E+03	5.84E+03	NS	<0.963	<0.834	<0.904	<0.948	<0.937	<0.821	<1.01	<0.881	<0.927	<0.838
Silver	1.77E+03	5.84E+03	NS	<0.16	**1.99 B**	**1.61 B**	<0.158	<0.156	<0.136	<0.168	<0.146	<0.154	<0.139
Thallium	3.54E+00	1.17E+01	NS	<0.497	<0.43	<2.33	<0.489	<0.483	<0.423	<0.523	<0.454	<0.478	<0.432
Vanadium	4.66E+02	5.83E+03	NS	**35.7**	**14.6**	**45.4**	**44.8**	**48.9**	**20.7**	**50.7**	**22.1**	**47.9 J6**	**54**
Zinc	1.06E+05	3.50E+05	NS	**156**	**5,690**	**2,720**	**75.5**	**68.3**	**86.7**	**66**	**87.7**	**218 J6-**	**17.6**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.0637**	**0.105**	**0.63**	**0.0574**	<0.0221	**0.0486**	**0.0546**	**0.0757**	**0.074**	<0.0197

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Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	G/UC-B1-1 4.0 5/21/2024	G/UC-B1-1 5.0 5/21/2024	G/UC-B4-1 1.0 5/23/2024	G/UC-B4-1 2.0 5/23/2024	G/UC-B4-1 3.0 5/23/2024	G/UC-C1-1 1.0 5/21/2024	G/UC-C1-1 2.0 5/21/2024	G/UC-C1-1 3.0 5/21/2024	G/UC-C4-1 1.0 5/22/2024	G/UC-C4-1 2.0 5/22/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	—	—	**4.49**	**11.2**	<0.581	<0.579 J-	<0.589 J-	<0.605 J-	<0.623 J-	<0.629 J-
Arsenic	9.76E-01	3.05E-01	11	**311**	NA*	**5.67**	**12.2**	<0.553	**5.05**	**6.89**	**3.76**	**2.95**	**2.67**
Barium	3.02E+03	2.17E+05	NS	—	—	**88.8**	**271**	**56**	**138**	**111**	**67.3**	**128**	**143**
Beryllium	2.72E+01	2.32E+02	NS	—	—	**0.299**	**0.35**	<0.0336	<0.0335	**0.486**	**0.294**	**0.598**	**0.764**
Cadmium	5.09E+01	1.15E+03	NS	—	—	**9.4**	<0.0521	<0.0503	<0.0501	<0.051	<0.0524	<0.054	**0.98**
Chromium	NS	NS	NS	—	—	**35.2**	**34.9**	**11.1**	**24.3**	**26.3**	**17.7**	**66.3**	**81.7**
Cobalt	2.79E+01	3.47E+02	NS	—	—	**2.76**	**22.6**	**7.02**	**5.54**	**9.18**	**5.91**	**2.56**	**1.46**
Copper	1.42E+04	4.67E+04	NS	—	—	**73.4**	**131**	**3.85**	**17.5**	**26.2**	**16**	**51.2 J-**	**36.4 J-**
Lead	1.60E+02	3.20E+02	NS	—	—	**2,240**	**24.3**	**6.68**	**24.9**	**22.5**	**12.7**	**124 J**	**269 J**
Molybdenum	1.77E+03	5.84E+03	NS	—	—	**5.05**	<0.121	<0.116	**0.667**	<0.118	<0.121	**5.18**	**2.58**
Nickel	8.63E+01	1.11E+04	NS	—	—	**19.1**	**41.3**	**10.4**	**30.7 J-**	**41.7 J-**	**23.4 J-**	**23.3**	**11.9**
Selenium	1.75E+03	5.84E+03	NS	—	—	<0.931	**2.51**	<0.816	<0.813	<0.827	<0.849	<0.876	<0.884
Silver	1.77E+03	5.84E+03	NS	—	—	<0.155	<0.141	<0.136	<0.135	<0.137	<0.141	**1.51**	**1.2**
Thallium	3.54E+00	1.17E+01	NS	—	—	<0.48	<0.436	<0.421	<0.419	<0.426	<0.438	<0.452	<0.456
Vanadium	4.66E+02	5.83E+03	NS	—	—	**32.4**	**72.3**	**23.9**	**25.1**	**26.3**	**20.2**	**12.6**	**12.5**
Zinc	1.06E+05	3.50E+05	NS	—	—	**967**	**93.8**	**18.1**	**49.6 J-**	**53.9 J-**	**36.1 J-**	**118**	**183**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	—	—	**0.0947**	**2.33**	<0.0192	**0.135**	<0.0195	<0.02	<0.0206	<0.0208

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METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.644 J6-	—	—	**23.5**	**9.28**	**10**	**10 J-**	**8.61 J6-**	**7.36 J-**	—
Arsenic	9.76E-01	3.05E-01	11	**3.17**	—	—	<0.552	**4.61**	**5.55**	**206 J**	**415 J3J5J6**	**170 J**	**5.29**
Barium	3.02E+03	2.17E+05	NS	**70.4 O1**	—	—	**62.9**	**168**	**87**	**1,550 J**	**2,040 J3O1V**	**1,230 J**	—
Beryllium	2.72E+01	2.32E+02	NS	**0.379**	—	—	<0.0336	**0.357**	<0.0357	**0.333**	**0.363**	**0.275**	—
Cadmium	5.09E+01	1.15E+03	NS	**1.24**	—	—	<0.0502	**2.41**	<0.0533	**5.9**	**6.35**	**3.6**	—
Chromium	NS	NS	NS	**38.2 O1**	—	—	**6.78**	**58.4**	**38.8**	**46.1**	**53.6 O1**	**47**	—
Cobalt	2.79E+01	3.47E+02	NS	**2.78 J6**	—	—	**11.6**	**15.9**	**19**	**12.5**	**13.7**	**11.7**	—
Copper	1.42E+04	4.67E+04	NS	**52.9 J6O1-**	—	—	**44.2**	**64.1**	**63.2**	**86.3 J-**	**164 J3J5-**	**111 J-**	—
Lead	1.60E+02	3.20E+02	NS	**1,030 J3O1V**	**5,290**	NA*	**23.2**	**123**	**25**	**213 J-**	**187 J3J5J6-**	**146 J-**	—
Molybdenum	1.77E+03	5.84E+03	NS	**3.95 J6**	—	—	**1**	<0.125	<0.123	**3.5**	**1.75**	**1.37**	—
Nickel	8.63E+01	1.11E+04	NS	**17.1 J6O1**	—	—	**7.96**	**63.7**	**31.1**	**47.6**	**57.8**	**60**	—
Selenium	1.75E+03	5.84E+03	NS	<0.905	—	—	<0.815	<0.873	<0.865	**3.52**	**4.4**	**5.21**	—
Silver	1.77E+03	5.84E+03	NS	**1.18**	—	—	<0.135	<0.145	<0.144	<0.161	<0.149	<0.169	—
Thallium	3.54E+00	1.17E+01	NS	<0.467	—	—	<0.42	<0.45	<0.446	<0.499	<0.463	<0.523	—
Vanadium	4.66E+02	5.83E+03	NS	**12**	—	—	**58.4**	**50.4**	**53**	**47.1**	**47.9**	**39.1**	—
Zinc	1.06E+05	3.50E+05	NS	**326 J5O1**	—	—	**77.1**	**156**	**56.9**	**171 J-**	**249 J3J5J6O-**	**127 J-**	—
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	<0.0213	—	—	**0.0525**	**0.211**	**0.36**	**0.153**	**0.196**	**0.182**	—

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METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**14.6 J+**	**7.92 J+**	**6.98 J+**	**7.95 J+**	**3.05 J+**	**6.89 J-**	**6.34 J-**	**5.94 J-**	**23.4 J-**	—
Arsenic	9.76E-01	3.05E-01	11	**3.23**	<0.576	<0.684	**5.14**	<0.656	<0.619	<0.598	<0.569	**38.3 J**	**6.66**
Barium	3.02E+03	2.17E+05	NS	**288**	**103**	**330**	**161**	**25.4**	**173 J**	**85.8 J**	**55.1 J**	**138 J**	—
Beryllium	2.72E+01	2.32E+02	NS	**0.514**	<0.035	**0.837**	<0.0351	<0.0399	**0.379**	<0.0364	<0.0346	<0.189	—
Cadmium	5.09E+01	1.15E+03	NS	**3.44**	<0.0524	<0.0622	**1.12**	<0.0596	<0.0563	**3.15**	**0.586**	<0.282	—
Chromium	NS	NS	NS	**66.8**	**17.9**	**83.3**	**26.8**	**75.2**	**47.8**	**73.7**	**34.7**	**117**	—
Cobalt	2.79E+01	3.47E+02	NS	**8.53**	**7.31**	**13.8**	**6.54**	**24.5**	**10**	**20**	**11.2**	**16.7**	—
Copper	1.42E+04	4.67E+04	NS	**90.7**	**30.6**	**37.6**	**55.8**	**127**	**22 J-**	**141 J-**	**80.1 J-**	**369 J-**	—
Lead	1.60E+02	3.20E+02	NS	**709 J**	**60.5 J**	**13.9 J**	**244 J**	**20.4 J**	**16.4 J-**	**779 J-**	**172 J-**	**437 J-**	**26.5**
Molybdenum	1.77E+03	5.84E+03	NS	**4.4**	**1.51**	<0.144	**1.13**	<0.138	<0.13	**5.08**	**1.44**	**7.73**	—
Nickel	8.63E+01	1.11E+04	NS	**42.5**	**29**	**71.9**	**25.9**	**54.5**	**50.6**	**46**	**28.3**	**84.5**	—
Selenium	1.75E+03	5.84E+03	NS	<0.87	<0.849	<1.01	<0.851	<0.968	<0.914	<0.882	<0.839	<4.57	—
Silver	1.77E+03	5.84E+03	NS	**1.42 B**	<0.141	<0.168	<0.141	<0.161	<0.152	**1.61**	<0.14	<0.759	—
Thallium	3.54E+00	1.17E+01	NS	<0.449	<0.438	<0.52	<0.439	<0.499	<0.471	<0.455	<0.433	<2.36	—
Vanadium	4.66E+02	5.83E+03	NS	**45.6**	**37.2**	**78**	**27.9**	**36.7**	**41.7**	**26.8**	**26**	**96.3**	—
Zinc	1.06E+05	3.50E+05	NS	**679 J+**	**123 J+**	**77.8 J+**	**250 J+**	**53.9 J+**	**57.5 J-**	**629 J-**	**168 J-**	**459 J-**	—
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	<0.0205	**0.139**	**0.0592**	**0.137**	**0.151**	**0.111**	**0.44**	**0.189**	<0.0215	—

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Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	G-A1-1 1.0 5/20/2024	G-A1-1 2.0 5/20/2024	G-A1-1 3.0 5/20/2024	G-B2-1 1.0 5/21/2024	G-B2-1 2.0 5/21/2024	G-B2-1 3.0 5/21/2024	G-B2-1 4.0 5/21/2024	G-B2-1 5.0 5/21/2024	G-B3-1 1.0 5/21/2024	G-B3-1 2.0 5/21/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.607 J-	<0.607 J-	<0.595 J-	**5.88**	**7.24**	**7.5**	—	—	<0.656	<0.616
Arsenic	9.76E-01	3.05E-01	11	**2.79**	**2.45**	**2.79**	**6.29**	**6.63**	**9.54**	—	—	**4.88**	**4.16**
Barium	3.02E+03	2.17E+05	NS	**110**	**270**	**152**	**50.9 J-**	**77.9 J-**	**45.2 J-**	—	—	**154 J-**	**140 J6O1-**
Beryllium	2.72E+01	2.32E+02	NS	**0.275**	**0.264**	<0.0344	<0.0339	<0.0343	<0.0342	—	—	**0.339**	**0.382**
Cadmium	5.09E+01	1.15E+03	NS	<0.0526	<0.0526	**0.718**	**6.02**	**4.51**	**5.21**	—	—	<0.0568	<0.0533
Chromium	NS	NS	NS	**42.5**	**17.7**	**22**	**19.9**	**26.2**	**33.6**	—	—	**36.1**	**58.2 O1**
Cobalt	2.79E+01	3.47E+02	NS	**14.5**	**12.7**	**11.3**	**5.67**	**6.12**	**15.5**	—	—	**9.34**	**16.9 O1**
Copper	1.42E+04	4.67E+04	NS	**54.5 J-**	**35.3 J-**	**22.6 J-**	**13,600**	**15,300**	**28,200**	**3,730**	—	**23.5**	**23.5 O1**
Lead	1.60E+02	3.20E+02	NS	**117 J**	**47.5 J**	**67.4 J**	**826**	**1,010**	**1,830**	**406**	NA*	**47.3**	**10.7**
Molybdenum	1.77E+03	5.84E+03	NS	**1.72**	<0.122	<0.119	**4.36**	**5.34**	**6.16**	—	—	**0.746**	<0.123
Nickel	8.63E+01	1.11E+04	NS	**21**	**27.3**	**27.9**	**98.1 J-**	**124 J-**	**174 J-**	**66**	—	**59.1 J-**	**114 J6O1-**
Selenium	1.75E+03	5.84E+03	NS	<0.853	<0.852	<0.835	<0.822	<0.832	<0.831	—	—	<0.922	<0.865
Silver	1.77E+03	5.84E+03	NS	<0.142	<0.142	<0.139	<0.137	<0.138	<0.138	—	—	<0.153	<0.144
Thallium	3.54E+00	1.17E+01	NS	<0.44	<0.44	<0.431	<2.12	<2.15	<4.28 '	—	—	<0.475	<0.446
Vanadium	4.66E+02	5.83E+03	NS	**51.1**	**23.1**	**27.4**	**17**	**22.2**	**39.5**	—	—	**26.7**	**34.1 O1**
Zinc	1.06E+05	3.50E+05	NS	**88.6**	**122**	**135**	**9,370**	**4,250**	**28,600**	—	—	**127**	**40.6**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.305**	**1.09**	**0.143**	**0.108**	**0.182**	**0.22**	—	—	**0.133**	**0.163**

Notes:

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mg/kg = Milligrams per kilogram.

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METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.685	—	—	<0.594 J-	<0.587 J-	**2.15 J-**	<0.587 J-	<0.653 J-	<0.579 J-	**2.62**
Arsenic	9.76E-01	3.05E-01	11	**2.88**	—	—	**3.6**	**3.22**	**4.48**	**2.98**	<0.622	**6.22**	**4.66**
Barium	3.02E+03	2.17E+05	NS	**106 J-**	—	—	**91.3**	**104**	**137**	**48.2**	**44.5**	**179**	**105**
Beryllium	2.72E+01	2.32E+02	NS	**0.265**	—	—	**0.25**	<0.034	<0.0334	<0.034	<0.0378	<0.0335	<0.0344
Cadmium	5.09E+01	1.15E+03	NS	<0.0593	—	—	<0.0514	<0.0508	<0.05	<0.0508	<0.0565	<0.0501	<0.0514
Chromium	NS	NS	NS	**44.5**	—	—	**16.2**	**15.4**	**19.8**	**9.41**	**2.3 B**	**11.6**	**21.6**
Cobalt	2.79E+01	3.47E+02	NS	**9.93**	—	—	**7.65**	**5.67**	**6.52**	**5.94**	**5.02**	**7.11**	**7.88**
Copper	1.42E+04	4.67E+04	NS	**14.3**	—	—	**20.8**	**14.8**	**22.2**	**11.1**	<0.48	**141**	**36.4**
Lead	1.60E+02	3.20E+02	NS	**6.8**	—	—	**29**	**16.6**	**23.3**	**19.3**	**3.35**	**73.5**	**110**
Molybdenum	1.77E+03	5.84E+03	NS	<0.137	—	—	<0.119	<0.118	**0.825**	<0.118	<0.131	<0.116	<0.119
Nickel	8.63E+01	1.11E+04	NS	**87.7 J-**	**110**	NA*	**25.7 J-**	**27.1 J-**	**30.9 J-**	**12.4 J-**	<0.158 J-	**18.8 J-**	**28.2**
Selenium	1.75E+03	5.84E+03	NS	<0.961	—	—	<0.834	<0.825	<0.81	<0.825	<0.917	<0.813	<0.834
Silver	1.77E+03	5.84E+03	NS	<0.16	—	—	<0.139	<0.137	<0.135	<0.137	<0.152	<0.135	<0.139
Thallium	3.54E+00	1.17E+01	NS	<0.496	—	—	<0.43	<0.425	<0.418	<0.425	<0.473	<0.419	<0.43
Vanadium	4.66E+02	5.83E+03	NS	**24.4**	—	—	**31**	**20.1**	**27.6**	**22**	**8.52**	**37.9**	**24.6**
Zinc	1.06E+05	3.50E+05	NS	**25.9**	—	—	**54.2 J-**	**44.3 J-**	**75.9 J-**	**52.1 J-**	**16.4 BJ-**	**123 J-**	**90**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.123**	—	—	**0.109**	**0.0708**	**0.101**	**0.132**	<0.0216	**0.133**	**0.126**

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Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.604	**3.15**	**2.4**	<0.651	**2.42**	**4.16**	<0.662	**3.48**	—	<0.621 J-
Arsenic	9.76E-01	3.05E-01	11	**5.43**	**8.83**	**6.51**	**9.38**	**5.69**	**5.57**	**13.9**	**19.5**	NA*	<0.591
Barium	3.02E+03	2.17E+05	NS	**159**	**183**	**133**	**205**	**129**	**165**	**337**	**659**	—	**62.2**
Beryllium	2.72E+01	2.32E+02	NS	**0.264**	**0.318**	**0.233**	**0.32**	**0.557**	<0.0372	**0.432**	**0.464**	—	<0.0359
Cadmium	5.09E+01	1.15E+03	NS	<0.0523	**0.617**	<0.0545	**0.697**	<0.0519	<0.0556	**0.708**	**2.08**	—	<0.0537
Chromium	NS	NS	NS	**26.8**	**31.3**	**17.8**	**28**	**31.4**	**31.5**	**26.2**	**30.1**	—	**9.5**
Cobalt	2.79E+01	3.47E+02	NS	**9.95**	**10.8**	**5.73**	**8.9**	**9.47**	**13.5**	**9.38**	**12.7**	—	**4.87**
Copper	1.42E+04	4.67E+04	NS	**53.6**	**64.7**	**35.6**	**114**	**35.9**	**32.9**	**32.3**	**57.6**	—	**24.4 J-**
Lead	1.60E+02	3.20E+02	NS	**141**	**103**	**85.5**	**164**	**37.4**	**7.6**	**35.2**	**52.6**	—	**120 J**
Molybdenum	1.77E+03	5.84E+03	NS	<0.121	**0.931**	**1.55**	**1.54**	**0.657**	<0.129	<0.133	<0.134	—	<0.124
Nickel	8.63E+01	1.11E+04	NS	**31.1**	**44.1**	**20.1**	**37.4**	**46**	**39.4**	**38.3**	**45.5**	—	**13.7**
Selenium	1.75E+03	5.84E+03	NS	<0.849	<0.914	<0.884	<0.915	<0.842	<0.902	<0.93	<0.939	—	<0.872
Silver	1.77E+03	5.84E+03	NS	<0.141	<0.152	<0.147	<0.152	<0.14	**3.02**	<0.155	<0.156	—	<0.145
Thallium	3.54E+00	1.17E+01	NS	<0.438	<0.472	<0.456	<0.472	<0.434	<0.465	<0.479	<0.484	—	<0.45
Vanadium	4.66E+02	5.83E+03	NS	**33.1**	**40**	**21.3**	**35.8**	**27.4**	**53.5**	**34.1**	**44.1**	—	**14.8**
Zinc	1.06E+05	3.50E+05	NS	**141**	**156**	**113**	**186**	**78.1**	**41**	**77.8**	**91.6**	—	**53.8**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.0899**	**0.173**	**0.151**	**0.197**	**0.0559**	<0.0212	**0.083**	**0.0835**	—	**0.092**

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Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	<0.622 J-	<0.645 J-	**3.69**	**2.56**	**2.92**	**8.78**	**3.41**	**7.44**	**6.99**	**4.5**
Arsenic	9.76E-01	3.05E-01	11	**13.4**	**3.78**	**6.35**	**4.27**	**4.2**	**12.7**	<0.624	**3.56**	**6.39 B**	**3.78**
Barium	3.02E+03	2.17E+05	NS	**177**	**183**	**160**	**183**	**194**	**228**	**181**	**248**	**231**	**115**
Beryllium	2.72E+01	2.32E+02	NS	**0.33**	**0.316**	<0.0362	**0.408**	**0.335**	<0.0366	**0.285**	<0.0378	**0.605**	**0.293**
Cadmium	5.09E+01	1.15E+03	NS	<0.0538	<0.0558	<0.0542	<0.054	<0.0536	**5.4**	<0.0568	<0.0566	<0.0563	<0.0551
Chromium	NS	NS	NS	**29.3**	**40.2**	**41.2**	**45.5**	**50.7**	**43.5**	**51**	**45.7**	**65.2**	**45.5**
Cobalt	2.79E+01	3.47E+02	NS	**7.73**	**12.6**	**7.52**	**10.3**	**12.9**	**5.57**	**13.9**	**12.7**	**10.2**	**11.6**
Copper	1.42E+04	4.67E+04	NS	**47.3 J-**	**59 J-**	**30.3**	**26.1**	**23.4**	**209**	**37.5**	**35.9**	**26.2**	**51.2**
Lead	1.60E+02	3.20E+02	NS	**83.5 J**	**98.2 J**	**49.2**	**50.2**	**82.6**	**1,780**	**99.2**	**506**	**26**	**83.9**
Molybdenum	1.77E+03	5.84E+03	NS	<0.125	<0.129	**4.17**	<0.125	<0.124	**15.5**	<0.131	<0.131	<0.13	**1.08**
Nickel	8.63E+01	1.11E+04	NS	**38.1**	**73.3**	**35.8**	**46.5**	**56.6**	**25.4**	**49.3**	**44.9**	**65.5**	**37.7**
Selenium	1.75E+03	5.84E+03	NS	<0.873	<0.905	<0.879	<0.876	<0.87	<0.888	<0.921	<0.917	<0.913	<0.894
Silver	1.77E+03	5.84E+03	NS	**2.45**	<0.151	<0.146	<0.146	<0.145	<0.148	<0.153	<0.152	<0.152	<0.149
Thallium	3.54E+00	1.17E+01	NS	<0.45	<0.467	<0.453	<0.452	<0.449	<0.458	<0.475	<0.473	<0.471	<0.461
Vanadium	4.66E+02	5.83E+03	NS	**30.5**	**44.7**	**41.1**	**43.5**	**47.8**	**26.7**	**76**	**64.9**	**69.7**	**66.8**
Zinc	1.06E+05	3.50E+05	NS	**143**	**127**	**85.2**	**82.2**	**91.2**	**838**	**205**	**241**	**70.2**	**74.7**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.287**	**0.119**	**0.0679 J-**	**0.103 J-**	**0.0934 J-**	**1.07 J-**	**0.212 J-**	**0.269**	**0.0889**	**0.0838**

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Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	G-F1-1 2.0 5/28/2024	G-F1-1 3.0 5/28/2024	G-F1-1 4.0 5/28/2024	G-F2-1 1.0 5/29/2024	G-F2-1 2.0 5/29/2024	G-F2-1 3.0 5/29/2024	G-F3-1 1.0 5/23/2024	G-F3-1 2.0 5/23/2024	G-F3-1 3.0 5/23/2024	G-G1-1 1.0 5/29/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**4.12**	**11.4**	—	**2.51**	<0.613	**4.9**	**3.27**	<0.728	<0.742	**7.56**
Arsenic	9.76E-01	3.05E-01	11	**6.51**	**5**	—	<0.619	<0.583	**4.71**	<0.543	<0.694	<0.707	**8.18**
Barium	3.02E+03	2.17E+05	NS	**178**	**177**	—	**64.2**	**56.4**	**23.1**	**193**	**122**	**68.4**	**265**
Beryllium	2.72E+01	2.32E+02	NS	**0.292**	**0.308**	—	<0.0376	<0.0355	<0.0371	**0.685**	**0.417**	<0.043	**0.525**
Cadmium	5.09E+01	1.15E+03	NS	**2.1**	**10.3**	—	<0.0562	<0.0531	<0.0555	<0.0493	<0.0631	<0.0643	<0.0554
Chromium	NS	NS	NS	**59**	**93.6**	—	**20.9**	**14.9**	**53.7**	**43.3**	**21.1**	**10.5**	**66.4**
Cobalt	2.79E+01	3.47E+02	NS	**19**	**17.5**	—	**4.12**	**3.4**	**4.36**	**1.92**	<0.109	<0.111	**10**
Copper	1.42E+04	4.67E+04	NS	**81.4**	**256**	—	**33.4**	**12.1**	**136**	**64.1**	**48.4**	**40.1**	**28**
Lead	1.60E+02	3.20E+02	NS	**219**	**194**	**46.8**	**43.3**	**23.5**	**29.6**	**141**	**33**	**16.2**	**12.2**
Molybdenum	1.77E+03	5.84E+03	NS	<0.145	**0.68**	—	<0.13	**0.921**	**5.59**	**2.99**	**2.51**	**2.13**	<0.128
Nickel	8.63E+01	1.11E+04	NS	**85.9**	**88.2**	**55.1**	**20.3**	**17.9**	**31.9**	**15.6**	**8.01**	**4.52**	**43.9**
Selenium	1.75E+03	5.84E+03	NS	<1.01	<1.02	—	<0.912	<0.861	<0.9	<0.8	<1.02	<1.04	<0.899
Silver	1.77E+03	5.84E+03	NS	<0.168	<0.17	—	<0.152	<0.143	<0.15	**20.4**	**11.7**	**6.17**	<0.149
Thallium	3.54E+00	1.17E+01	NS	<0.523	<0.526	—	<0.47	<0.444	<0.464	<0.413	<0.528	<0.537	<0.463
Vanadium	4.66E+02	5.83E+03	NS	**66.5**	**96.9**	—	**25.4**	**13.3**	**10.7**	**13**	**6.89**	**3.41**	**64.4**
Zinc	1.06E+05	3.50E+05	NS	**1,400**	**1,180**	—	**96.3**	**46.9**	**26.1**	**99.4**	**33.8**	**15.9**	**64.6**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.127**	**0.143**	—	<0.0215	<0.0203	**0.128**	<0.0189 J3J6O1	<0.0241	<0.0246	**0.0654**

Notes:
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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.
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METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**7.34**	**5.12**	—	<0.68	**4.49**	**4.33**	**7.07 J6+**	**3.85**	<0.668	<0.672
Arsenic	9.76E-01	3.05E-01	11	**2.31**	**7.07**	—	<0.648	**4.57**	**4.07**	**4.22**	**23.2**	**5.49**	**4.53**
Barium	3.02E+03	2.17E+05	NS	**260**	**258**	—	**179**	**291**	**306**	**339**	**176**	**210**	**189**
Beryllium	2.72E+01	2.32E+02	NS	**0.672**	**0.825**	—	**0.337 B**	**0.794**	**0.411**	**1.08**	<0.0335	**0.283**	**0.258**
Cadmium	5.09E+01	1.15E+03	NS	<0.0521	**26.4**	—	<0.0589	**0.851**	**3.24**	<0.0622	**0.773**	<0.0578	<0.0582
Chromium	NS	NS	NS	**192**	**82**	—	**40.9**	**83.8**	**100**	**87.5**	**26.7**	**66.9**	**66.9**
Cobalt	2.79E+01	3.47E+02	NS	**12**	**16**	—	**13.2**	**25.3**	**2.79**	**9.85 O1**	**8.67**	**13.1**	**13.1**
Copper	1.42E+04	4.67E+04	NS	**46.7**	**60.2**	—	**29.7**	**40.3**	**28**	**41.4**	**43.2**	**30.8**	**26.1**
Lead	1.60E+02	3.20E+02	NS	**30.8**	**407**	**114**	**46.5**	**30.7**	**233**	**63.9 J3J5**	**140**	**32.6**	**21.3**
Molybdenum	1.77E+03	5.84E+03	NS	**2.18**	**1.01**	—	**0.687**	<0.144	**3.29**	<0.144	**2.92**	**1.2**	<0.135
Nickel	8.63E+01	1.11E+04	NS	**64.1**	**85.4**	—	**56.3**	**71.8**	**27.4**	**57.2**	**20**	**67.1**	**66.8**
Selenium	1.75E+03	5.84E+03	NS	<0.845	<1.13	—	<0.955	<1.01	<1.06	<1.01	<0.813	<0.937	<0.944
Silver	1.77E+03	5.84E+03	NS	<0.14	<0.188	—	<0.159	<0.168	<0.176	<0.168	<0.135	<0.156	<0.157
Thallium	3.54E+00	1.17E+01	NS	<2.18	<0.585	—	<0.493	<0.522	<0.547	<0.52	<0.419	<0.483	<0.487
Vanadium	4.66E+02	5.83E+03	NS	**126**	**73.8**	—	**45.8**	**87.3**	**83.8**	**87.5**	**36.8**	**57.6**	**56.4**
Zinc	1.06E+05	3.50E+05	NS	**60.8**	**178**	—	**82.3**	**89**	**55.2**	**75.9**	**203**	**70.5**	**57.3**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.132**	**0.078**	—	**0.0589**	<0.0238	<0.025	**0.06**	**0.319**	**0.0632**	**0.0591**

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Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G-G4-1	G-G4-1	G-G4-1	G-G4-1	G-H2-1	G-H2-1	G-H2-1	G-H2-1	G-H3-1	G-H3-1
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**15**	**11.8**	**14.8**	—	**11.2 J+**	**16.7 J+**	**16.8 J-**	—	**9.73**	**9.21**
Arsenic	9.76E-01	3.05E-01	11	**6.56**	**4.96**	<3.08	—	<0.603	**2.94**	**15.1 J**	**5.46**	**2.67**	<0.576
Barium	3.02E+03	2.17E+05	NS	**136**	**155**	**57.6**	—	**219**	**243**	**207 J**	—	**200**	**166**
Beryllium	2.72E+01	2.32E+02	NS	**0.863**	<0.0409	<0.188	—	**0.337**	**0.587**	**0.571**	—	**0.408**	**0.494**
Cadmium	5.09E+01	1.15E+03	NS	**7.79**	**9.77**	<0.281	—	**5.9**	**7.58**	**11.4**	—	**0.886**	**0.829**
Chromium	NS	NS	NS	**54.9**	**24.1**	**519**	—	**43.4**	**112**	**77.6**	—	**48.8**	**51.7**
Cobalt	2.79E+01	3.47E+02	NS	**5.13**	**5.37**	**11.6**	—	**15.3**	**9.2**	**2.07**	—	**9.54**	**8.62**
Copper	1.42E+04	4.67E+04	NS	**69.6**	**331**	**210**	—	**78.8**	**204**	**173 J-**	—	**57.5**	**44.6**
Lead	1.60E+02	3.20E+02	NS	**1,720**	**1,760**	**52.7**	—	**743 J**	**1,620 J**	**4,540 J-**	**53.8**	**291**	**381**
Molybdenum	1.77E+03	5.84E+03	NS	**4.42**	**1.9**	**26**	—	**12.6**	**19.2**	**6.02**	—	**1.54**	**1.02**
Nickel	8.63E+01	1.11E+04	NS	**30.8**	**30.7**	**114**	**52.8**	**61.1**	**77.1**	**22.9**	—	**55.6**	**57.6**
Selenium	1.75E+03	5.84E+03	NS	<0.916	<0.993	<4.54	—	<0.889	**2.81**	**7.42**	—	<0.838	<0.849
Silver	1.77E+03	5.84E+03	NS	**13.9**	**2.23**	**17.7**	—	**1.37 B**	**2.47 B**	**6.93**	—	<0.139	<0.141
Thallium	3.54E+00	1.17E+01	NS	<0.472	<0.512	<2.34	—	<0.459	<0.468	<2.3	—	<0.432	<0.438
Vanadium	4.66E+02	5.83E+03	NS	**21.3**	**10.2**	**126**	—	**62**	**40.1**	**26**	—	**43.1**	**37.3**
Zinc	1.06E+05	3.50E+05	NS	**1,160**	**962**	<4.95	—	**339 J+**	**1,240 J+**	**1,880 J-**	—	**309**	**280**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	<0.0216	**0.556 J-**	<0.0214	—	**0.206**	**0.0501**	<0.021	—	**0.275**	**0.159**

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Sample ID	2019 RWQCB	2019 RWQCB Direct	SFBR	G-H3-1	G-H3-1	UC-A2-1	UC-A2-1	UC-A2-1	UC-A3-1	UC-A3-1	UC-A3-1	UC-B4-2	UC-B4-2
Sample Depth (ft bgs)	Direct Contact	Contact Commercial /	Background	3.0	4.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Industrial ESLs[1]	Concentration[2]	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/23/2024	5/23/2024
METALS - 6010B (mg/kg)													
Antimony	4.96E+01	1.64E+02	NS	**13.1**	—	<0.587 J-	<0.596 J-	<0.613 J-	<0.578 J-	<0.646 J-	<0.628	<0.595	**9.82**
Arsenic	9.76E-01	3.05E-01	11	<0.656	—	**8.47**	**3.84**	**4.54**	**10.6**	<0.616	**2.56**	**7.14**	**4.37**
Barium	3.02E+03	2.17E+05	NS	**269**	—	**198**	**266**	**213**	**190**	**62.9**	**162**	**110**	**560**
Beryllium	2.72E+01	2.32E+02	NS	**0.271**	—	**0.217**	**0.312**	<0.0355	**0.306**	<0.0374	<0.0364	<0.0345	**1.31**
Cadmium	5.09E+01	1.15E+03	NS	**1.04**	—	**2.3**	**1.17**	<0.0531	<0.0501	<0.056	<0.0544	**0.859**	**14.7**
Chromium	NS	NS	NS	**57.8**	—	**33.5**	**28.7**	**16.9**	**111**	**9.44**	**33.4**	**22**	**103**
Cobalt	2.79E+01	3.47E+02	NS	**8.47**	—	**6.82**	**12.9**	**4.72**	**9.05**	**4.45**	**5.71**	**5.96**	**1.83**
Copper	1.42E+04	4.67E+04	NS	**102**	—	**373 J-**	**209 J-**	**28.1 J-**	**37.2 J+**	**9.51 J-**	**13.9**	**23.3**	**92.7**
Lead	1.60E+02	3.20E+02	NS	**644**	**31.9**	**361 J**	**179 J**	**90.7 J**	**44.4 J**	**11.1 J**	**23.7**	**220**	**4,890**
Molybdenum	1.77E+03	5.84E+03	NS	**4.22**	—	**1.1**	<0.119	<0.123	**1.67**	<0.13	**0.795**	**1.25**	**7.35**
Nickel	8.63E+01	1.11E+04	NS	**52.2**	—	**59.8**	**53.5**	**21.6**	**86.1 J-**	**14.2**	**29.5**	**20.2**	**19.4**
Selenium	1.75E+03	5.84E+03	NS	<0.967	—	<0.825	<0.837	<0.861	<0.812	<0.908	<0.882	<0.836	<0.933
Silver	1.77E+03	5.84E+03	NS	<0.161	—	<0.137	<0.139	<0.143	**1.99**	<0.151	<0.147	**4.88**	**75.5**
Thallium	3.54E+00	1.17E+01	NS	<0.499	—	<0.425	<0.432	<0.444	<0.419	<0.468	<0.455	<0.431	<2.41
Vanadium	4.66E+02	5.83E+03	NS	**39.3**	—	**22.9**	**31.4**	**15.9**	**42.8**	**14**	**34.2**	**22**	**36.2**
Zinc	1.06E+05	3.50E+05	NS	**345**	—	**6,260**	**384**	**78.7**	**89.8**	**31.2**	**47**	**151**	**4,510**
METALS - 7471A (mg/kg)													
Mercury	4.36E+01	1.87E+02	NS	**0.215**	—	**0.205**	**0.286**	**0.568**	**0.0721**	**0.0487**	**0.188**	**0.0706 J-**	<0.022

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[2]Arsenic concentrations are compared to the accepted background concentration for the San Francisco Bay Region as presented in "Establishing Background Arsenic in Soil of The Urbanized San Francisco Bay Region" by Dylan Jacques Duverge, December 2011.

Table 2. Summary of Total Metals in Soil. AB and I Redevelopment; Oakland, California.

Sample ID Sample Depth (ft bgs) Sample Date	2019 RWQCB Direct Contact Construction Worker ESLs[1]	2019 RWQCB Direct Contact Commercial / Industrial ESLs[1]	SFBR Background Concentration[2]	UC-B4-2 3.0 5/23/2024	UC-H1-1 1.0 5/30/2024	UC-H1-1 2.0 5/30/2024	UC-H1-1 3.0 5/30/2024
METALS - 6010B (mg/kg)							
Antimony	4.96E+01	1.64E+02	NS	<0.592	**8.78 J+**	**10.4 J+**	**7.93 J6+**
Arsenic	9.76E-01	3.05E-01	11	**2.38**	<0.632	<0.593	<0.702
Barium	3.02E+03	2.17E+05	NS	**130**	**257**	**200**	**376 J5**
Beryllium	2.72E+01	2.32E+02	NS	<0.0343	**0.388**	**0.348**	**0.856**
Cadmium	5.09E+01	1.15E+03	NS	<0.0513	<0.0574	<0.0539	<0.0638
Chromium	NS	NS	NS	**10.5**	**63**	**51.1**	**89**
Cobalt	2.79E+01	3.47E+02	NS	**7.63**	**13.8**	**11.3**	**15.3**
Copper	1.42E+04	4.67E+04	NS	**25.8**	**28.8**	**33.4**	**44.2**
Lead	1.60E+02	3.20E+02	NS	**50.1**	**35.6 J**	**64 J**	**48.7 J3J5**
Molybdenum	1.77E+03	5.84E+03	NS	<0.119	<0.133	<0.125	**1.55**
Nickel	8.63E+01	1.11E+04	NS	**15.1**	**61.5**	**43.1**	**77.6**
Selenium	1.75E+03	5.84E+03	NS	<0.832	<0.932	<0.875	<1.04
Silver	1.77E+03	5.84E+03	NS	<0.138	<0.155	<0.145	<0.172
Thallium	3.54E+00	1.17E+01	NS	<0.429	<0.481	<0.451	<0.534
Vanadium	4.66E+02	5.83E+03	NS	**18.1**	**57.7**	**57.2**	**82.2**
Zinc	1.06E+05	3.50E+05	NS	**90.7**	**86.5 J+**	**110 J+**	**113 J3J5+**
METALS - 7471A (mg/kg)							
Mercury	4.36E+01	1.87E+02	NS	**0.385**	**0.102**	**0.118**	**0.197**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs or accepted background concentrations.

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Sample not analyzed.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

mg/kg = Milligrams per kilogram.

NA* = Not analyzed due to lab disposing of sample without notice.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SFBR = San Francisco Bay Region.

B = The same analyte is found in the associated blank.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

V = The sample concentration is too high to evaluate accurate spike recoveries.

- = Result biased low due to laboratory quality assurance/quality control issues.

+ = Result biased high due to laboratory quality assurance/quality control issues.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]Arsenic concentrations are compared to the accepted background concentration for the San Francisco Bay Region as presented in "Establishing Background Arsenic in Soil of The Urbanized San Francisco Bay Region" by Dylan Jacques Duverge, December 2011.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	BS-B1-1	BS-B1-1	BS-B1-1	BS-C1-1	BS-C1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-D1-1	BS-D1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-G1-1	BS- G1-1	BS-I1-1	BS-I1-1	BS-I1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	2.0	3.0	5.0	2.0	2.0	3.0	4.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0	
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																												
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00128	<0.00155	<0.00159	<0.00111	<0.0016	<0.00126	<0.00115	<0.00114	<0.00148	<0.0012	<0.00166	<0.00142	<0.00137	<0.00127	<0.00137	<0.00149	<0.00204	<0.00154	<0.00166	<0.00109	<0.0013	<0.00209
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00125	<0.00151	<0.00155	<0.00108	<0.00155	<0.00122	<0.00112	<0.00111	<0.00144	**0.00409**	<0.00162	<0.00138	<0.0011	<0.00124	<0.00134	<0.00145	<0.00198	<0.00151	<0.00161	**0.00855**	**0.013**	<0.00203
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00094	<0.00113	<0.00117	<0.00081	<0.00117	<0.00092	<0.00845	<0.00835	<0.00108	<0.00881	<0.00122	<0.00104	<0.00828	<0.00932	<0.00101	<0.00109	<0.00149	<0.00113	<0.00122	<0.000798	<0.00095	<0.00153
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000807	<0.000974	<0.001	<0.000696	<0.00101	<0.000791	<0.000726	<0.000717	<0.000931	<0.000757	<0.00105	<0.000894	<0.000711	<0.000801	<0.000865	<0.000937	<0.00128	<0.000973	<0.00104	<0.000685	<0.000816	<0.00131
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00102	<0.00123	<0.00127	<0.000879	<0.00127	<0.000999	<0.000917	<0.000905	<0.00118	<0.000956	<0.00132	<0.00113	<0.000898	<0.00101	<0.00109	<0.00118	<0.00163	<0.00123	<0.00132	<0.000866 J3	<0.00103 J3	<0.00165
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000664	<0.000801	<0.000825	<0.000572	<0.000827	<0.000651	<0.000597	<0.00059	<0.000766	<0.000622	<0.000861	<0.000735	<0.000585	<0.000658	<0.000711	<0.000771	<0.00106	<0.0008	<0.000859	<0.000564	<0.000671	<0.00108
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.000819	<0.000988	<0.00102	<0.000706	<0.00102	<0.000803	<0.000737	<0.000728	<0.000945	<0.000768	<0.00106	<0.000907	<0.000722	<0.000813	<0.000878	<0.000951	<0.00131	<0.000988	<0.00106	<0.000696	<0.000829	<0.00133
1,1-Dichloropropene	NS	NS	NS	<0.00109	<0.00132	<0.00136	<0.000943	<0.00136	<0.00107	<0.000984	<0.000971	<0.00126	<0.00103	<0.00142	<0.00121	<0.000964	<0.00108	<0.00117	<0.00127	<0.00174	<0.00132	<0.00141	<0.000929	<0.00111	<0.00178
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00991	<0.0119	<0.0123	<0.00854 R	<0.0123 R	<0.00972 R	<0.00892	<0.0088	<0.0114	<0.00929	<0.0129	<0.011	<0.00873	<0.00983	<0.0106	<0.0115	<0.0158	<0.0119	<0.0128	<0.00841	<0.01	<0.0161
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00219	<0.00263	<0.00272	<0.00189	<0.00273	<0.00215	<0.00197	<0.00195	<0.00253	<0.00205	<0.00284	<0.00243	<0.00193	<0.00217	<0.00235	<0.00254	<0.00349	<0.00265	<0.00283	<0.00186 J4	<0.00222 J4	<0.00355
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00214	<0.00257	<0.00265	<0.00184 J4	<0.00266 J4	<0.00209 J4	<0.00192	<0.0019	<0.00246	**0.0341**	**0.0365**	<0.00237	<0.00188	<0.00212	<0.00229	<0.00248	<0.0034	<0.00258	<0.00276	<0.00181	<0.00216	<0.00346
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00595	<0.00718	<0.00739	<0.00513 R	<0.00741 R	<0.00583 R	<0.00535	<0.00528	<0.00686	<0.00558	<0.00772	<0.00659	<0.00524	<0.0059	<0.00637	<0.00691	<0.00947	<0.00717	<0.00769	<0.00505	<0.00602	<0.00965 J3
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00214	<0.00257	<0.00265	<0.00184 J4	<0.00266 J4	<0.00209 J4	<0.00192	<0.0019	<0.00246	**0.044**	**0.0479**	<0.00237	<0.00188	<0.00212	<0.00229	<0.00248	<0.00334	<0.00258	<0.00276	<0.00181	<0.00216	<0.00346
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00527	<0.00637	<0.00655	<0.00455	<0.00657	<0.00517	<0.00474	<0.00468	<0.00608	<0.00494	<0.00684	<0.00584	<0.00465	<0.00523	<0.00565	<0.00612	<0.00839	<0.00635	<0.00681	<0.00448	<0.00533	<0.00856
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.000876	<0.00106	<0.00109	<0.000755	<0.00109	<0.000859	<0.000788	<0.000778	<0.00101	<0.000822	<0.00114	<0.00097	<0.000772	<0.000869	<0.000939	<0.00102	<0.00139	<0.00106	<0.00113	<0.000744	<0.000886	<0.00142
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000575	<0.000693	<0.000714	<0.000495	<0.000716	<0.000563	<0.000517	<0.00051	<0.000663	<0.000539	<0.000746	<0.000636	<0.000506	<0.00057	<0.000616	<0.000667	<0.000915	<0.000692	<0.000742	<0.000488	<0.000581	<0.000932
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000878	<0.00106	<0.00109	<0.000757	<0.00109	<0.00086	<0.000789	<0.000779	<0.00101	<0.000823	<0.00114	<0.000972	<0.000773	<0.0087	<0.00094	<0.00102	<0.00139	<0.00106	<0.00113	<0.000745	<0.000887	<0.00142
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00192	<0.00232	<0.00239	<0.00166	<0.00239	<0.00188	<0.00173	<0.00171	<0.00221	<0.0018	<0.00249	<0.00213	<0.00169	<0.0019	<0.00206	<0.00223	<0.00306	<0.00231	<0.00248	<0.00163	<0.00194	<0.00312
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.0027	<0.00326	<0.00336	<0.00233 J4R	<0.00337 J4R	<0.00265 J4R	<0.00243	<0.00234	<0.00312	**0.0184**	**0.0219**	<0.00299	<0.00238	<0.00268	<0.0029	<0.00314	<0.00443	<0.00326	<0.0035	<0.0023	<0.00273	<0.00439
1,3-Dichlorobenzene	NS	NS	NS	<0.000811	<0.000978	<0.00101	<0.000699	<0.00101	<0.000795	<0.00073	<0.0007	<0.000936	<0.000761	<0.00105	<0.000898	<0.000715	<0.000805	<0.000869	<0.000942	<0.0013	<0.000978	<0.00105	<0.000689	<0.00082	<0.00132
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000677	<0.000817	<0.000842	<0.000584	<0.000844	<0.000664	<0.000609	<0.000602	<0.000781	<0.000635	<0.000879	<0.00075	<0.000597	<0.000672	<0.000726	<0.000786	<0.00108	<0.000816	<0.000876	<0.000575	<0.000685	<0.0011
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000947	<0.00114	<0.00118	<0.000816	<0.00118	<0.000928	<0.000851	<0.000841	<0.00109	<0.000887	<0.00123	<0.00105	<0.000834	<0.000939	<0.00101	<0.0011	<0.0015	<0.00114	<0.00122	<0.000804	<0.000957	<0.00154
2,2-Dichloropropane	NS	NS	NS	<0.00187	<0.00226	<0.00232	<0.00161	<0.00232	<0.00183	<0.00168 J3	<0.00166 J3	<0.00215 J3	<0.00175	<0.00242	<0.00207	<0.00164	<0.00185	<0.002	<0.00217	<0.00297	<0.00224	<0.00241	<0.00158	<0.00189	<0.00303
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.0859 J4	<0.103 J4	<0.107 J4	<0.074	<0.107	<0.0842	<0.0772	<0.0762	<0.099	<0.0805	<0.111	<0.0951	<0.0757	<0.0852	<0.092	<0.0997	<0.137	<0.103	<0.111	<0.0729 J3	<0.0868 J3	<0.139
2-Chlorotoluene	NS	NS	2.3E+04	<0.00117	<0.00141	<0.00145	<0.00101	<0.00146	<0.00115	<0.00105	<0.00104	<0.00135	<0.0011	<0.00152	<0.0013	<0.00103	<0.00116	<0.00125	<0.00136	<0.00186	<0.00141	<0.00151	<0.000993	<0.00118	<0.0019
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0171**	**0.0169**	**0.0169**	**0.0155**	**0.0155**	**0.0158**	**0.0167**	**0.0172**	**0.0166**	**0.0168**	**0.0168**	**0.0166**	**0.0172**	**0.0168**	**0.0168**	**0.0173**	**0.017**	**0.0168**	**0.0169**	**0.0161**	**0.0164**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000609 J4	<0.000734 J4	<0.000756 J4	<0.000525	<0.000758	<0.000597	<0.000547	<0.00054	<0.000702	<0.00057	<0.000789	<0.000674	<0.000536	<0.000603	<0.000652	<0.000706	<0.000969	<0.000733	<0.000787	<0.000517	<0.000615	<0.000987
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00308	<0.00372	<0.00383	<0.00266	<0.00384	<0.00302	<0.00277	<0.00274	<0.00356	<0.00289	<0.004	<0.00341	<0.00272	<0.00306	<0.0033	<0.00358	<0.0049	<0.00372	<0.00398	<0.00262	<0.00312	<0.00501
Acetone	2.7E+05	6.7E+05	—	<0.0494 J4	<0.0596 J4	<0.0613 J4	<0.0425	<0.0615	<0.0484	<0.0444	<0.0438	<0.0569	<0.0463 J3	<0.064 J3	<0.0547 J3	<0.0435	<0.049	<0.0529	<0.0573	<0.0785	<0.0595	<0.0637	<0.0419 J3J4	<0.0499 J3J4	<0.0802 J3
Acrylonitrile	NS	NS	1.1E+00	<0.00488	<0.00588	<0.00606	<0.00421	<0.00608	<0.00479	<0.00439	<0.00433	<0.00563	<0.00458	<0.00633	<0.00541	<0.0043	<0.00484	<0.00523	<0.00567	<0.00777	<0.00588	<0.00631	<0.00414	<0.00494	<0.00793
Benzene	3.3E+01	1.4E+00	—	<0.000632	<0.000762	<0.000785	<0.000544	<0.000787	<0.000619	**0.00193**	<0.000561	<0.000728	**0.00958**	**0.0155**	<0.000699	<0.000556	<0.000626	<0.000676	<0.000733	**0.00372**	**0.002**	<0.000816	<0.000536	<0.000639	<0.00102
Bromobenzene	NS	NS	1.8E+03	<0.00122	<0.00147	<0.00151	<0.00105	<0.00152	<0.00119	<0.00109	<0.00108	<0.0014	<0.00114	<0.00158	<0.00135	<0.00107	<0.0012	<0.0013	<0.00141	<0.00193	<0.00146	<0.00157	<0.00103	<0.00123	<0.00198
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00098	<0.00118	<0.00122	<0.000845	<0.00122	<0.000961	<0.000882	<0.000871	<0.00113	<0.000919	<0.00127	<0.00109	<0.000864	<0.000972	<0.00105	<0.00114	<0.00157	<0.00118	<0.00127	<0.000832	<0.000991	<0.00159
Bromoform	1.2E+03	8.0E+01	—	<0.00158	<0.00191	<0.00197	<0.00136	<0.00197	<0.00155	<0.00142	<0.0014	<0.00182	<0.00148	<0.00205	<0.00175	<0.00139	<0.00157	<0.00169	<0.00184	<0.00252	<0.00191	<0.00205	<0.00134	<0.0016	<0.00258
Bromomethane	2.9E+01	3.0E+01	—	<0.00266	<0.00321	<0.00331	<0.0023	<0.00332	<0.00261	<0.0024	<0.00237	<0.00307	<0.0025 J3	<0.00346 J3	<0.00295 J3	<0.00235	<0.00264	<0.00285	<0.00309	<0.00424	<0.00321	<0.00345	<0.00226	<0.00269	<0.00432
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00121	<0.00146	<0.00151	<0.00105	<0.00151	<0.00119	<0.00109	<0.00108	<0.0014	<0.00114	<0.00158	<0.00134	<0.00107	<0.0012	<0.0013	<0.00141	<0.00193	<0.00146	<0.00157	<0.00103	<0.00123	<0.00198
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000284	<0.000342	<0.000353	<0.000245	<0.000354	<0.000278	<0.000255	<0.000252	<0.000327	<0.000266	<0.000368	<0.000314	<0.00025	<0.000282	<0.000304	<0.00033	<0.000452	<0.000343	<0.000368	<0.000241	<0.000287	<0.000461
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.000828	<0.000997	<0.00103	<0.000713	<0.00103	<0.000811	<0.000744	<0.000735	<0.000954	<0.000776	<0.00107	<0.000916	<0.000729	<0.000821	<0.000887	<0.00096	<0.00132	<0.000998	<0.00107	<0.000703	<0.000837	<0.00134
Chloroethane	5.9E+04	5.9E+04	—	<0.0023	<0.00278	<0.002 86	<0.00198	<0.00286	<0.00225	<0.00207	<0.00204	<0.00265	<0.00216	<0.00298	<0.00255	<0.00203	<0.00228	<0.00246	<0.00267	<0.00366	<0.00277	<0.00298	<0.00195	<0.00232	<0.00374
Chloroform	3.4E+01	1.4E+00	—	<0.00139	<0.00168	<0.00173	<0.0012	<0.00174	<0.00137	<0.00125	<0.00124	<0.00161	<0.00131	<0.00181	<0.00154	<0.00123	<0.00138	<0.00149	<0.00162	<0.00221	<0.00167	<0.0018	<0.00118	<0.00141	<0.00227
Chloromethane	4.7E+02	4.7E+02	—	<0.00588	<0.00709	<0.00731	<0.00507	<0.00733	<0.00577	<0.00529	<0.00522	<0.00678	<0.00551	<0.00763	<0.00651	<0.00518 J4	<0.00583 J4	<0.0063 J4	<0.00683 J4	<0.00937	<0.00709	<0.00761	<0.00499	<0.00595	<0.00954
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00093	<0.0012	<0.00123	<0.000856	<0.00124	<0.000973	<0.000893	<0.000881	<0.00114	<0.00093	<0.00129	<0.0011	<0.000874	<0.000984	<0.00106	<0.00115	<0.00158	<0.00119	<0.00128	<0.000843	<0.001	<0.00161
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00102	<0.00123	<0.00127	<0.000882	<0.00128	<0.001	<0.000921	<0.000909	<0.00118	<0.00096	<0.00133	<0.00113	<0.000902	<0.00102	<0.0011	<0.00119	<0.00163	<0.00124	<0.00132	<0.000869	<0.00104	<0.00166
Dibromomethane	NS	NS	9.9E+01	<0.00101	<0.00122	<0.00126	<0.000874	<0.00126	<0.000994	<0.000912	<0.000901	<0.00117	<0.000951	<0.00132	<0.00112	<0.000894	<0.00101	<0.00109	<0.00118	<0.00161	<0.00123	<0.00131	<0.000861	<0.00103	<0.00165
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00218	<0.00262	<0.0027	<0.00188	<0.00271	<0.00213	<0.00196	<0.00193	<0.00251	<0.00204 J3	<0.00282 J3	<0.00241 J3	<0.00192	<0.00216	<0.00233	<0.00253	<0.00346	<0.00262	<0.00281	<0.00185	<0.0022	<0.00354
Di-isopropyl ether	NS	NS	9.4E+03	<0.000554	<0.000668	<0.000689	<0.000478	<0.000691	<0.000543	<0.000499	<0.000492	<0.000639	<0.00052	<0.000719	<0.000614	<0.000488	<0.00055	<0.000594	<0.000643	<0.000883	<0.000669	<0.000717	<0.000471	<0.000561	<0.0009
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000997	<0.0012	<0.00124	<0.000859	<0.00124	<0.000977	<0.000896	<0.000885	<0.00115	**0.0114**	**0.0133**	<0.0011	<0.000878	<0.000988	<0.00107	<0.00116	<0.00159	<0.00121	<0.00129	<0.000846	<0.00101	<0.00162
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.00811	<0.00978	<0.0101	<0.00699	<0.0101	<0.00795	<0.0073	<0.0072	<0.00936	<0.00761 J3	<0.0105 J3	<0.00898 J3	<0.00715	<0.00805	<0.00869	<0.00942	<0.013	<0.00978	<0.0105	<0.00689	<0.0082	<0.0132
Isopropylbenzene	NS	NS	NS	<0.000575	<0.000693	<0.000714	<0.000495	<0.000716	<0.000563	<0.000517	<0.00051	<0.000663	**0.00392**	**0.00482**	<0.000636	<0.000506	<0.00057	<0.000616	<0.000667	<0.000915	<0.000692	<0.000742	<0.000488	<0.000581	<0.000932
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000473	<0.000571	<0.000588	<0.000408	<0.00059	<0.000464	<0.000426	<0.00042	<0.000546	<0.000444	<0.000614	<0.000524	<0.000417	<0.000469	<0.000507	<0.000549	<0.000753	<0.00057	<0.000613	<0.000402	<0.000479	<0.000767
Methylene Chloride	4.9E+02	2.5E+01	—	<0.00898	<0.0108	<0.0112	<0.00774	<0.0112	<0.0088	<0.00808	<0.00797	<0.0104	<0.00842	<0.0116	<0.00994	<0.00791	<0.0089	<0.00962	<0.0104	<0.0143	<0.0108	<0.0116	<0.00762	<0.00908	<0.0146
Naphthalene	4.0E+02	1.7E+01	—	<0.0066 J3	<0.00796 J3	<0.0082 J3	<0.00569	<0.00822	<0.00647	**0.0221**	<0.00586	<0.00761	**0.0901**	**0.0956**	<0.00731	**0.0326**	<0.00654	<0.00707	<0.00766	<0.0105	<0.00795	<0.00852	<0.0056	<0.00667	<0.0107 J3
n-Butylbenzene	NS	NS	5.8E+04	<0.0071	<0.00858	<0.00882	<0.00612	<0.00884	<0.00696	<0.00639	<0.0063	<0.00819	<0.00666	<0.00921	<0.00786	<0.00625	<0.00704	<0.00761	<0.00824	<0.0113	<0.00855	<0.00917	<0.00603	<0.00718	<0.0115
n-Propylbenzene	NS	NS	2.4E+04	<0.00128	<0.00155	<0.0016	<0.0011	<0.0016	<0.00126	<0.00116	<0.0011	<0.00148	**0.00805**	**0.00939**	<0.00142	<0.00113	<0.00127	<0.00138	<0.00149	**0.0166**	<0.00155	<0.00166	<0.00109	<0.0013	<0.00209
p-Isopropyltoluene	NS	NS	NS	<0.00345	<0.00415	<0.00428	<0.00297	<0.0043	<0.00338	<0.0031	<0.00306	<0.00398	**0.0231**	**0.0261**	<0.00382	<0.00304	<0.00342	<0.00369	<0.004	<0.00549	<0.00415	<0.00446	<0.00293	<0.00349	<0.0056
sec-Butylbenzene	NS	NS	1.2E+05	<0.00389	<0.0047	<0.00484	<0.00336	<0.00485	<0.00382	<0.0035	<0.00346	<0.00449	<0.00365	<0.00505	<0.00431	<0.00343	<0.00386	<0.00417	<0.00452	<0.0062	<0.00469	<0.00503	<0.00331	<0.00394	<0.00631
Styrene	2.5E+04	3.3E+04	—	<0.00031	<0.000373	<0.000385	<0.000267	<0.000386	<0.000304	<0.000279	<0.000275	<0.000357	<0.00029	<0.000402	<0.000343	<0.000273	<0.000307	<0.000332	<0.000359	<0.000493	<0.000373	<0.000399	<0.000263	<0.000313	<0.000502
tert-Butylbenzene	NS	NS	1.2E+05	<0.00264	<0.00318	<0.00328	<0.00227	<0.00328	<0.00258	<0.00237	<0.00234	<0.00304	<0.00247	<0.00342	<0.00292	<0.00232	<0.00262	<0.00282	<0.00306	<0.00419	<0.00318	<0.00341	<0.00224	<0.00267	<0.00428
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00121	<0.00146	<0.00151	<0.00104	<0.00151	<0.00119	<0.00109	<0.00108	<0.0014	<0.00114	<0.00157	<0.00134	**0.00966**	<0.0012	<0.0013	<0.0014	**0.0368**	**0.0204**	**0.0388**	<0.00103	<0.00123	<0.00196
Toluene	4.7E+03	5.3E+03	—	<0.00176	<0.00212	<0.00218	<0.00152	<0.00219	<0.00172	<0.00158	<0.00156	<0.00203	**0.0271**	**0.0393**	<0.00195	<0.00155	<0.00174	<0.00188	<0.00204	<0.0028	<0.00212	<0.00226	<0.00149	<0.00178	<0.00285
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00141	<0.00169	<0.00175	<0.00121	<0.00175	<0.00138	<0.00126	<0.00125	<0.00162	<0.00132	<0.00182	<0.00156	<0.00124	<0.00139	<0.00151	<0.00163	<0.00224	<0.0017	<0.00181	<0.00119	<0.00142	<0.00229
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00154	<0.00187	<0.00192	<0.00133	<0.00192	<0.00151	<0.00139	<0.00137	<0.00178	<0.00145	<0.002	<0.00171	<0.00136	<0.00153	<0.00165	<0.00179	<0.00246	<0.00185	<0.002	<0.00131	<0.00156	<0.0025
Trichloroethene	1.8E+01	6.1E+00	—	<0.00079	<0.000952	<0.000981	<0.00068 1	<0.000984	<0.000774	<0.00071	<0.000701	<0.000911	<0.00074	<0.00102	<0.000784	<0.000696	<0.000783	<0.000846	<0.000917	<0.00126	<0.000952	<0.00102	<0.00067	<0.000799	<0.00128
Trichlorofluoromethane	NS	NS	3.5E+05	<0.00112	<0.00135	<0.00139	<0.000964	<0.00139	<0.0011	<0.00101	<0.000993	<0.00129	<0.00105	<0.00145	<0.00124	<0.000985	<0.00111	<0.0012	<0.0013	<0.00179	<0.00135	<0.00144	<0.000949	<0.00113	<0.00181
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00157	<0.0019	<0.00195	<0.00135	<0.00195	<0.00154	<0.00141	<0.00139	<0.00181	<0.00147 J3	<0.00203 J3	<0.00174 J3	<0.00138	<0.00156	<0.00168	<0.00182	<0.00249	<0.0019	<0.00203	<0.00133	<0.00159	<0.00254
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00119	<0.00143	<0.00148	<0.00103	<0.00148	<0.00117	<0.00107	<0.00106	<0.00137	**0.103**	**0.117**	<0.00132	<0.00105	<0.00118	<0.00127	<0.00138	<0.0019	**0.02**	<0.00154	<0.00101	<0.0012	<0.00192

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	BS-I1-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I3-1	BS-I3-1	BS-I3-1	G/BS-A2-1	G/BS-A2-1	G/BS-A2-1	G/BS-A3-1	G/BS-A3-1	G/BS-A3-1	G/BS-D4-1	G/BS-D4-1	G/BS-D4-1	G/BS-F4-1	G/BS-F4-1	G/BS-F4-1	G/BS-F4-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	2.0	3.0	4.0	5.0	2.0	4.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																											
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00161	<0.00117	<0.00146	<0.00145	<0.00155	<0.00124	<0.00146	<0.00145	<0.00118	<0.00167	<0.00145	<0.00156	<0.00135	<0.0015	<0.00152	<0.00118	<0.00141	<0.00133	<0.00144	<0.00159	<0.0011	<0.0127	<0.00155
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00156	<0.00114	<0.00143	<0.00141	<0.00151	<0.00121	<0.00142	<0.00141	<0.00115	<0.00163	<0.00141	<0.00152	<0.00132	<0.00146	<0.00149	**0.00812**	<0.00137	**0.0734**	<0.0014	<0.00155	<0.00108	<0.0124	<0.00151
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00118	<0.000858	<0.00107	<0.00106	<0.00114	<0.000911	<0.00107	<0.00106	<0.000867	<0.00122	<0.00106	<0.00114	<0.000992	<0.0011	<0.00112	<0.000862	<0.00103	<0.000978	<0.00106	<0.00117	<0.00081	<0.00932	<0.00114
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.00101	<0.000737	<0.000922	<0.000912	<0.000979	<0.000783	<0.000917	<0.000912	<0.000744	<0.00105	<0.000913	<0.000981	<0.000852	<0.000945	<0.000959	<0.00074	<0.000886	<0.00084	<0.000909	<0.001	<0.000696	<0.00801	<0.000977
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00128 J3	<0.00093	<0.00116	<0.00115	<0.00124	<0.000988 J3	<0.00116	<0.00115 J3	<0.0094	<0.00133	<0.00115	<0.00124	<0.00108	<0.0119	<0.00121	<0.000935	<0.00112	<0.00106	<0.00115	<0.00127	<0.000879	<0.0101	<0.00123
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000832	<0.000606	<0.000758	<0.00075	<0.000805	<0.000644	<0.000754	<0.00075	<0.000612	<0.000865	<0.000751	<0.000807	<0.000701	<0.000778	<0.000789	<0.000609	<0.000729	<0.000691	<0.000747	<0.000825	<0.000572	<0.00659	<0.000804
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.00103	<0.000748	<0.000936	<0.000926	<0.000994	<0.000794	<0.000931	<0.000925	<0.000756	<0.00107	<0.000927	<0.000996	<0.000865	<0.00096	<0.000973	<0.000752	<0.000899	<0.000852	<0.000922	<0.00102	<0.000706	<0.00813	<0.000992
1,1-Dichloropropene	NS	NS	NS	<0.00137	<0.000998	<0.00125	<0.00124	<0.00133	<0.00106	<0.00124	<0.00124	<0.00101	<0.00142	<0.00124	<0.00133	<0.00116	<0.00128	<0.00129	<0.001	<0.0012	<0.00114	<0.00123	<0.00136	<0.000943	<0.0108	<0.00132
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0124	<0.00904	<0.0113	<0.0112	<0.012	<0.00961	<0.0113	<0.0112	<0.00914	<0.0129	<0.0112	<0.012	<0.0105	<0.0116	<0.0118	<0.00909	<0.0109	<0.0103	<0.0112	<0.0123	<0.00854	<0.0982	<0.012
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00274 J4	<0.002	<0.0025	<0.00247	<0.00266	<0.00212 J4	<0.00249	<0.00247 J4	<0.00202	<0.00285	<0.00248	<0.00266	<0.00231	<0.0257	<0.0026	<0.00201	<0.0024	<0.00228	<0.00247	<0.00272	<0.00189	<0.0218	<0.00266
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00267	<0.00195	<0.00244	<0.00241	<0.00259	<0.00207	<0.00243	<0.00241	<0.00197	<0.00278	<0.00242	<0.0026	<0.00226	<0.0025	<0.00254	**0.0872**	<0.00234	<0.00222	<0.00241	<0.00266	<0.00184	**0.0932**	**0.0198**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00746	<0.00543	<0.00679	<0.00673	<0.00721	<0.00577	<0.00676 J3	<0.00672	<0.00549	<0.00775	<0.00673	<0.00722	<0.00628	<0.00697	<0.00707	<0.00546	<0.00653	<0.00619	<0.0067	<0.0074	<0.00513	<0.059	<0.0072
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00267	<0.00195	<0.00244	<0.00241	<0.00259	<0.00207	<0.00243	<0.00241	<0.00197	<0.00278	<0.00242	<0.0026	<0.00226	<0.0025	<0.00254	**0.0354**	<0.00234	**0.00758**	<0.00241	<0.00266	**0.00894**	<0.0211	**0.0335**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00661	<0.00481	<0.00602	<0.00596	<0.00639	<0.00511	<0.00599	<0.00596	<0.00486	<0.00687	<0.00596	<0.00641	<0.00557	<0.00618	<0.00627	<0.00484	<0.00579	<0.00549	<0.00594	<0.00656	<0.00454	<0.0523	<0.00639
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.0011	<0.0008	<0.001	<0.00099	<0.00106	<0.00085	<0.000996	<0.00099	<0.00808	<0.00114	<0.000991	<0.00106	<0.000925	<0.00103	<0.00104	<0.000804	<0.000962	<0.000912	<0.000986	<0.00109	<0.000755	<0.00868	<0.00106
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000719	<0.000524	<0.000656	<0.000649	<0.000697	<0.000557	<0.000653	<0.000649	<0.00053	<0.000748	<0.00065	<0.000699	<0.000607	<0.000673	<0.000683	<0.000527	<0.000631	<0.000598	<0.000647	<0.000714	<0.000495	<0.0057	<0.000695
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.0011	<0.000801	<0.001	<0.000992	<0.00106	<0.000851	<0.000997	<0.000991	<0.000809	<0.00114	<0.000992	<0.00107	<0.000927	<0.0103	<0.00104	<0.000805	<0.000963	<0.000913	<0.000988	<0.00109	<0.000756	<0.0087	<0.00106
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00241	<0.00175	<0.00219	<0.00217	<0.00233	<0.00186	<0.00218	<0.00217	<0.00177	<0.0025	<0.00217	<0.00233	<0.00203	<0.00225	<0.00228	<0.00176	<0.00211	<0.002	<0.00216	<0.00239	<0.00165	<0.0191	<0.00232
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00339	<0.00247	<0.00309	<0.00306	<0.00328	<0.00262	<0.00307	<0.00305	<0.00249	<0.00352	<0.00306	<0.00329	<0.00256	<0.00317	<0.00321	**0.0187**	<0.00297	<0.00281	<0.00304	<0.00336	**0.00861**	<0.0268	**0.028**
1,3-Dichlorobenzene	NS	NS	NS	<0.00102	<0.0074	<0.000926	<0.000917	<0.000984	<0.000787	<0.000922	<0.000916	<0.000748	<0.00106	<0.000917	<0.000986	<0.000857	<0.00095	<0.000964	<0.000744	<0.00089	<0.000844	<0.000913	<0.00101	<0.000699	<0.00804	<0.000982
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000849	<0.000618	<0.000774	<0.000765	<0.000821	<0.000657	<0.00077	<0.000765	<0.000625	<0.000882	<0.000766	<0.000823	<0.000715	<0.000793	<0.000804	<0.000621	<0.000743	<0.000705	<0.000763	<0.000842	<0.000584	<0.00672	<0.00082
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00119	<0.000864	<0.00108	<0.00107	<0.00115	<0.000918	<0.00108	<0.00107	<0.000873	<0.00123	<0.00107	<0.00115	<0.001	<0.00111	<0.00112	<0.000868	<0.00104	<0.000985	<0.00107	<0.00118	<0.000816	<0.00938	<0.00115
2,2-Dichloropropane	NS	NS	NS	<0.00234	<0.0017	<0.00213	<0.00211	<0.00226	<0.00181	<0.00212	<0.00211	<0.00172	<0.00243	<0.00211	<0.00227	<0.00197	<0.00219	<0.00222	<0.00171	<0.00205	<0.00194	<0.0021	<0.00232	<0.00161	<0.0184	<0.00225
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.108 J3	<0.0784	<0.098	<0.0971	<0.104	<0.0832 J3	<0.0976	<0.097 J3	<0.0792 J4	<0.112 J4	<0.0971 J4	<0.104 J4	<0.0907 J4	<0.101 J4	<0.102	<0.0788	<0.0942	<0.0893	<0.0967	<0.107	<0.074	<0.851	<0.104
2-Chlorotoluene	NS	NS	2.3E+04	<0.00146	<0.00107	**0.0112**	<0.00132	<0.00142	<0.00113	<0.00133	<0.00132	<0.00108	<0.00152	<0.00132	<0.00142	<0.00124	<0.00137	<0.00139	<0.00107	<0.00128	<0.00122	<0.00132	<0.00145	<0.00101	<0.0116	<0.00142
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0159**	**0.0175**	**0.0165**	**0.0154**	**0.017**	**0.0166**	**0.0171**	**0.0164**	**0.0169**	**0.017**	**0.0166**	**0.0171**	**0.017**	**0.0164**	**0.0163**	**0.0166**	**0.0166**	**0.0162**	**0.0162**	**0.0161**	**0.0166**	**0.0163**	**0.0161**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000762	<0.000555	<0.000695	<0.000688	<0.000738	<0.00059	<0.000691	<0.000687	<0.000561 J4	<0.000792 J4	<0.000688 J4	<0.00074	<0.000643 J4	<0.000713	<0.000723	<0.000558	<0.000668	<0.000633	<0.000685	<0.000756	<0.000524	<0.00603	<0.000737
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00387	<0.00281	<0.00352	<0.00349	<0.00374	<0.00299	<0.0035	<0.00348	<0.00284	<0.00401	<0.00349	<0.00375	<0.00326	<0.00361	<0.00367	<0.00283	<0.00338	<0.00321	<0.00347	<0.00383	<0.00266	<0.0305	<0.00373
Acetone	2.7E+05	6.7E+05	—	<0.0618 J3J4	<0.045	<0.0564	<0.0557	<0.0598	<0.0479 J3J4	<0.0561 J3	<0.0557 J3J4	<0.0455 J4	<0.0643 J4	<0.0558 J4	<0.06 J4	<0.0521 J4	<0.0578 J4	<0.0586	<0.0453	<0.0542	<0.0513	<0.0556	<0.0614	<0.0425	<0.489	<0.0598
Acrylonitrile	NS	NS	1.1E+00	<0.00611	<0.00445	<0.00557	<0.00551	<0.00592	<0.00473	<0.00555	<0.00551	<0.0045	<0.00636	<0.00552	<0.00593 J4	<0.00515	<0.00572 J4	<0.0058	<0.00448	<0.00536	<0.00508	<0.00555	<0.00607	<0.00421	<0.0484	<0.00592
Benzene	3.3E+01	1.4E+00	—	<0.000791	<0.000576	<0.000721	<0.000713	<0.000766	<0.000612	<0.000717	<0.000713	<0.000582	<0.000822	<0.000714	<0.000768	<0.000667	<0.00074	<0.00075	**0.00832**	<0.000693	<0.000657	<0.000711	<0.000785	**0.0085**	<0.00627	**0.0188**
Bromobenzene	NS	NS	1.8E+03	<0.00152	<0.00111	<0.00139	<0.00138	<0.00148	<0.00118	<0.00138	<0.00137	<0.00112	<0.00158	<0.00138	<0.00148	<0.00129	<0.00143	<0.00145	<0.00112	<0.00134	<0.00127	<0.00137	<0.00151	<0.00105	<0.0121	<0.00147
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00123	<0.000895	<0.00112	<0.00111	<0.00119	<0.00095	<0.00111	<0.00111	<0.000904	<0.00128	<0.00111	<0.00119	<0.00104	<0.00115	<0.00117	<0.000899	<0.00108	<0.00102	<0.0011	<0.00122	<0.000845	<0.00972	<0.00119
Bromoform	1.2E+03	8.0E+01	—	<0.00198	<0.00144	<0.00181	<0.00178	<0.00192	<0.00153	<0.0018	<0.00179	<0.00146	<0.00206	<0.00179	<0.00192	<0.00167	<0.00185	<0.00188	<0.00145	<0.00174	<0.00165	<0.00178	<0.00197	<0.00136	<0.0157	<0.00191
Bromomethane	2.9E+01	3.0E+01	—	<0.00334	<0.00243	<0.00304	<0.00301	<0.00323	<0.00258	<0.00303	<0.00301	<0.00246	<0.00347	<0.00301	<0.00324	<0.00281	<0.00312	<0.00316	<0.00244	<0.00292	<0.00277	<0.003	<0.00331	<0.00223	<0.0265	<0.00323
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00152	<0.00111	<0.00139	<0.00137	<0.00147	<0.00118	<0.00138	<0.00137	<0.00112	<0.00158	<0.00137	<0.00148	<0.00128	<0.00142	<0.00144	<0.00111	<0.00133	<0.00126	<0.00137	<0.00151	<0.00105	<0.012	<0.00147
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000355	<0.000259	<0.000324	<0.000321	<0.000344	<0.000275	<0.000323	<0.000321	<0.000262	<0.00037	<0.000321	<0.000345	<0.0003	<0.000333	<0.000337	<0.00026	<0.000312	<0.000295	<0.00032	<0.000353	<0.000245	<0.00282	<0.000344
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.00104	<0.000755	<0.000945	<0.000935	<0.001	<0.000802	<0.00094	<0.000935	<0.000763	<0.00108	<0.000936	<0.00101	<0.000874	<0.000969	<0.000983	<0.000759	<0.000908	<0.000861	<0.000932	<0.00103	<0.000713	<0.00821	<0.001
Chloroethane	5.9E+04	5.9E+04	—	<0.00287	<0.0021	<0.00262	<0.00259	<0.00279	<0.00223	<0.00261	<0.0026	<0.00212	<0.00299	<0.0026	<0.0028	<0.00243	<0.00269	<0.00273	<0.00211	<0.00252	<0.00239	<0.00259	<0.00286	<0.00198	<0.0228	<0.00279
Chloroform	3.4E+01	1.4E+00	—	<0.00174	<0.00127	<0.00159	<0.00157	<0.00169	<0.00135	<0.00158	<0.00157	<0.00128	<0.00181	<0.00157	<0.00169	<0.00147	<0.00163	<0.00165	<0.00128	<0.00153	<0.00145	<0.00157	<0.00173	<0.0012	<0.0138	<0.00169
Chloromethane	4.7E+02	4.7E+02	—	<0.00737	<0.00537	<0.00672	<0.00665	<0.00713	<0.0057	<0.00668	<0.00664	<0.00542	<0.00766	<0.00665	<0.00715	<0.00621	<0.00689	<0.00699	<0.0054	<0.00645	<0.00612	<0.00662	<0.00731	<0.00507	<0.0583	<0.00711
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00124	<0.000906	<0.00113	<0.00112	<0.0012	<0.000962	<0.00113	<0.00112	<0.000915	<0.00129	<0.00112	<0.00121	<0.00105	<0.00116	<0.00118	<0.00091	<0.00109	<0.00103	<0.00112	<0.00123	<0.000855	<0.00984	<0.0012
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00128	<0.000934	<0.00117	<0.00116	<0.00124	<0.000992	<0.00116	<0.00116	<0.000944	<0.00133	<0.00116	<0.00124	<0.00108	<0.0012	<0.00121	<0.000939	<0.00112	<0.00106	<0.00115	<0.00127	<0.000882	<0.0102	<0.00124
Dibromomethane	NS	NS	9.9E+01	<0.00127	<0.000925	<0.00116	<0.00115	<0.00123	<0.000983	<0.00115	<0.00115	<0.000935	<0.00132	<0.00115	<0.00123	<0.00107	<0.00119	<0.00121	<0.00093	<0.00111	<0.00106	<0.00114	<0.00126	<0.000874	<0.0101	<0.00123
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00272	<0.00199	<0.00249	<0.00246	<0.00264	<0.00211	<0.00247	<0.00246	<0.00201	<0.00283	<0.00246	<0.00265	<0.0023	<0.00255	<0.00259	<0.002	<0.00239	<0.00226	<0.00245	<0.00271	<0.00188	<0.0216	<0.00264
Di-isopropyl ether	NS	NS	9.4E+03	<0.000694	<0.000506	<0.000633	<0.000626	<0.000672	<0.000538	<0.00063	<0.000626	<0.000511	<0.000722	<0.000627	<0.000674	<0.000585	<0.000649	<0.000658	<0.000509	<0.000608	<0.000577	<0.000624	<0.000689	<0.000478	<0.0055	<0.000671
Ethylbenzene	5.4E+02	2.6E+01	—	<0.00125	<0.000909	<0.00114	<0.00113	<0.00121	<0.000966	<0.00113	<0.00113	<0.000919	<0.0013	<0.00113	<0.00121	<0.00105	<0.00117	**0.00622**	**0.0109**	<0.00109	<0.00104	<0.00112	<0.00124	**0.00371**	**0.0769**	**0.00716**
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.0102	<0.0074	<0.00926	<0.00917	<0.00984	<0.00787	<0.00922	<0.00916	<0.00748	<0.0106	<0.00917	<0.00986 J3	<0.00857	<0.0095 J3	<0.00964	<0.00744	<0.0089	<0.00844	<0.00913	<0.0101	<0.00699	<0.0804	<0.00982
Isopropylbenzene	NS	NS	NS	<0.000719	<0.000524	**0.00769**	<0.000649	<0.000697	<0.000557	<0.000653	<0.000649	<0.00053	<0.000748	<0.00065	<0.000699	<0.000607	<0.000673	<0.000683	**0.0066**	<0.000631	<0.000598	<0.000647	<0.000714	**0.00559**	**0.226**	**0.102**
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000593	<0.000432	<0.00054	<0.000535	<0.000574	<0.000459	<0.000538	<0.000534	<0.000436	<0.000616	<0.000535	<0.000576	<0.0005	<0.000554	<0.000562	<0.000434	<0.000519	<0.000492	<0.000533	<0.000588	<0.000408	<0.00469	<0.000572
Methylene Chloride	4.9E+02	2.5E+01	—	<0.0112	<0.00819	<0.0103	<0.0101	<0.0109	<0.00871	<0.0102	<0.0101	<0.00828	<0.0117	<0.0102	<0.0109	<0.00948	<0.0105	<0.0107	<0.00824	<0.00985	<0.0093	<0.0101	<0.0112	<0.00774	<0.089	<0.0109
Naphthalene	4.0E+02	1.7E+01	—	<0.00827	<0.00602	<0.00754	<0.00746	<0.008	<0.0064	<0.0075 J3	<0.00745	<0.00609 J3	<0.00859 J3	<0.00746 J3	<0.00802	<0.00697 J3	<0.00773	<0.00784	**0.0543**	<0.00724	<0.00687	<0.00743	<0.0082	<0.00569	<0.0654	<0.00799
n-Butylbenzene	NS	NS	5.8E+04	<0.00889	<0.00648	<0.00811	<0.00801	<0.00861	<0.00688	<0.00807	<0.00802	<0.00655	<0.00924	<0.00803	<0.00863	<0.0075	<0.00831	<0.00844	<0.00651	<0.00779	<0.00739	<0.00799	<0.00883	<0.00612	<0.0704	**0.0758**
n-Propylbenzene	NS	NS	2.4E+04	<0.00161	<0.00117	<0.00147	<0.00145	<0.00156	<0.00125	<0.00146	<0.00145	<0.00118	<0.00167	<0.00145	<0.00156	<0.00136	<0.0015	<0.00152	<0.00118	<0.00141	<0.00134	<0.00145	<0.0016	<0.00111	**0.167**	**0.306**
p-Isopropyltoluene	NS	NS	NS	<0.00432	<0.00315	<0.00394	<0.00389	<0.00418	<0.00334	<0.00392	<0.00389	<0.00318	<0.00449	<0.0039	<0.00419	<0.00364	<0.00404	<0.0041	**0.0108**	<0.00378	<0.00359	<0.00388	<0.00429	<0.00297	<0.0342	**0.0212**
sec-Butylbenzene	NS	NS	1.2E+05	<0.00488	<0.00355	<0.00445	<0.0044	<0.00472	<0.00378	<0.00442	<0.0044	<0.00359	<0.00507	<0.0044	<0.00473	<0.00411	<0.00456	<0.00463	<0.00357	<0.00427	<0.00405	<0.00438	<0.00484	<0.00336	<0.0385	**0.0561**
Styrene	2.5E+04	3.3E+04	—	<0.000389	<0.000283	<0.000354	<0.00035	<0.000375	<0.0003	<0.000352	<0.00035	<0.000286	<0.000403	<0.00035	<0.000376	<0.000327	<0.000363	<0.000368	<0.000284	<0.00034	<0.000322	<0.000349	<0.000385	<0.000267	<0.00307	<0.000374
tert-Butylbenzene	NS	NS	1.2E+05	<0.00331	<0.00241	<0.00301	<0.00298	<0.0032	<0.00256	<0.003	<0.00298	<0.00243	<0.00343	<0.00298	<0.0032	<0.00278	<0.00309	<0.00313	<0.00242	<0.00289	<0.00274	<0.00297	<0.00328	<0.00227	<0.0261	<0.00319
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00152	<0.00111	<0.00138	<0.00137	<0.00147	<0.00117	<0.00138	<0.00137	<0.00112	<0.00158	<0.00137	<0.00147	<0.00128	<0.00142	<0.00144	**0.00474**	<0.00133	**0.00779**	<0.00136	<0.00151	<0.00104	<0.012	<0.00147
Toluene	4.7E+03	5.3E+03	—	<0.00221	<0.0016	<0.00201	<0.00199	<0.00213	<0.0017	<0.002	<0.00199	<0.00162	<0.00229	<0.00199	<0.00213	<0.00186	<0.00206	<0.00209	**0.0296**	<0.00193	<0.00183	<0.00198	<0.00219	**0.00677**	**0.088**	**0.0238**
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00176	<0.00128	<0.00161	<0.00159	<0.00171	<0.00136	<0.0016	<0.00159	<0.0013	<0.00183	<0.00159	<0.00171	<0.00148	<0.00165	<0.00167	<0.00129	<0.00154	<0.00146	<0.00158	<0.00175	<0.00121	<0.0139	<0.0017
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00193	<0.00141	<0.00176	<0.00174	<0.00187	<0.00149	<0.00175	<0.00174	<0.00142	<0.00201	<0.00174	<0.00187	<0.00163	<0.00181	<0.00183	<0.00141	<0.00169	<0.0016	<0.00174	<0.00192	<0.00133	<0.0153	<0.00186
Trichloroethene	1.8E+01	6.1E+00	—	<0.00099	<0.000721	<0.000902	<0.000893	<0.000957	<0.000766	<0.000897	<0.000892	<0.000728	<0.00103	<0.000893	<0.00096	<0.00834	<0.000925	<0.000939	<0.000724	<0.000867	<0.000822	<0.000889	<0.000982	<0.000681	<0.00783	<0.000956
Trichlorofluoromethane	NS	NS	3.5E+05	<0.0014	<0.00102	<0.00128	<0.00126	<0.00136	<0.00108	<0.00127	<0.00126	<0.00103	<0.00146	<0.00126	<0.00135	<0.00118	<0.00131	<0.00133	<0.00103	<0.00123	<0.00116	<0.00126	<0.00139	<0.000964	<0.0111	<0.00135
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00196	<0.00143	<0.00179	<0.00177	<0.0019	<0.00152	<0.00178	<0.00177	<0.00145	<0.00204	<0.00177	<0.00191	<0.00166	<0.00184	<0.00186	<0.00144	<0.00172	<0.00163	<0.00177	<0.00195	<0.00135	<0.0156	<0.0019
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00149	<0.00109	<0.00136	<0.00135	<0.00144	<0.00115	<0.00135	<0.00134	<0.0011	<0.00155	<0.00135	<0.00144	<0.00126	<0.00139	**0.0449**	**0.0686**	<0.00131	**0.016**	<0.00134	<0.00148	**0.0556**	**0.3**	**0.0924**

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G/BS-H1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-C1-1	G/UC-C1-1	G/UC-C1-1	G/UC-C4-1	G/UC-C4-1	G/UC-C4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	2.0	3.0	4.0	5.0	8.0	10.0	2.0	3.0	4.0	5.0	8.0	10.0	2.0	5.0	10.0	2.0	5.0	10.0	2.0	4.0	5.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/30/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/21/2024	5/21/2024	5/21/2024	5/22/2024	5/22/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00152	<0.0016	<0.00115	<0.00171	<0.00175	<0.0014	<0.00146	<0.00116	<0.00134	<0.0017	<0.00132	<0.00145	<0.00153	<0.00126	<0.00145	<0.00127	<0.00143	<0.00161	<0.00144	<0.00124	<0.00148	<0.00129	<0.00146
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00148	<0.00156	<0.00112	<0.00166	<0.00171	<0.00136	<0.00143	<0.00113	<0.00129	<0.00165	<0.00129	<0.00141	<0.00149	<0.00122	<0.00141	<0.00123	<0.00139	<0.00156	<0.00141	<0.00121	<0.00144	<0.00125	<0.00142
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00111	<0.00117	<0.000841	<0.00125	<0.00129	<0.00102	<0.00107	<0.000849	<0.000975	<0.00124	<0.000975	<0.00106	<0.00112	<0.000922	<0.00106	<0.000928	<0.00105	<0.00118	<0.00106	<0.000911	<0.00109	<0.000944	<0.00107
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000954	<0.001	<0.000722	<0.00108	<0.00111	<0.000879	<0.000922	<0.00073	<0.000837	<0.00107	<0.000837	<0.000915	<0.000964	<0.000793	<0.000913	<0.000797	<0.000901	<0.00101	<0.00091	<0.000782	<0.000932	<0.000811	<0.000921
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00121	<0.00127	<0.000912	<0.00136	<0.0014	<0.00111	<0.00116	<0.000922	<0.00106	<0.00135	<0.00106	<0.00116	<0.00122	<0.001	<0.00115	<0.00101	<0.00114	<0.00128	<0.00115	<0.000988	<0.00118	<0.00102	<0.00116
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000785	<0.000825	<0.000594	<0.000885	<0.00091	<0.000723	<0.000758	<0.0006	<0.000689	<0.000878	<0.000688	<0.000752	<0.000792	<0.000652	<0.000751	<0.000655	<0.000741	**0.00859**	<0.000748	<0.000643	<0.000767	<0.000667	<0.000757
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.000969	<0.00102	<0.000733	<0.00109	<0.00112	<0.000892	<0.000936	<0.000741	<0.000849	<0.00108	<0.000849	<0.000929	<0.000978	<0.000804	<0.000927	<0.000809	<0.000916	<0.00103	<0.000923	<0.000794	<0.000946	<0.000823	<0.000934
1,1-Dichloropropene	NS	NS	NS	<0.00129	<0.00136	<0.000979	<0.00146	<0.0015	<0.00119	<0.00125	<0.000989	<0.00113	<0.00144	<0.00113	<0.00124	<0.00131	<0.00107	<0.00124	<0.00108	<0.00122	<0.00137	<0.00123	<0.00106	<0.00126	<0.0011	<0.00125
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0117	<0.0123 R	<0.00887 R	<0.0132	<0.0136	<0.0108	<0.0113	<0.00896	<0.0103	<0.0131	<0.0103	<0.0112	<0.0118	<0.00973	<0.0112 R	<0.00978 R	<0.0111	<0.0124	<0.0112	<0.0096	<0.0114	<0.00996	<0.0113
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00259	<0.00272	<0.00196	<0.00292	<0.003	<0.00239	<0.0025	<0.00198	<0.00227	<0.00289	<0.00227	<0.00248	<0.00261	<0.00215	<0.00248	<0.00216	<0.00245	<0.00274	<0.00247	<0.00212	<0.00253	<0.0022	<0.0025
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	**0.00903**	<0.00265 J4	<0.00191 J4	<0.00285	<0.00293	<0.00233	<0.00244	<0.00193	<0.00222	<0.00283	<0.00222	<0.00242	<0.00255	<0.0021	<0.00242 J4	<0.00211 J4	**0.0275**	<0.00268	<0.00241	<0.00207	<0.00247	<0.00215	<0.00243
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00703	<0.00739 R	<0.00532 R	<0.00793	<0.00815	<0.00648	<0.00679	<0.00538	<0.00617	<0.00787	<0.00617	<0.00674	<0.0071	<0.00584	<0.00673 R	<0.00587 R	<0.00665	<0.00745	<0.00671	<0.00577	<0.00687 J3	<0.00598	<0.00678
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00253	<0.00265 J4	<0.00191 J4	**0.0112**	**0.00946**	<0.00233	<0.00244	<0.00193	<0.00222	<0.00283	<0.00222	<0.00242	<0.00255	<0.0021	<0.00242 J4	<0.00211 J4	**0.0514 J4-**	<0.00268	<0.00241	<0.00207	<0.00247	<0.00215	<0.00243
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00623	<0.00656	<0.00472	<0.00703	<0.00722	<0.00574	<0.00602	<0.00477	<0.00548	<0.00698	<0.00547	<0.00598	<0.00629	<0.00518	<0.00596	<0.00521	<0.00589	<0.00661	<0.00594	<0.00511	<0.00609	<0.0053	<0.00601
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.00104	<0.00109	<0.000784	<0.00117	<0.0012	<0.000954	<0.001	<0.000792	<0.000909	<0.00116	<0.000909	<0.000993	<0.00105	<0.00086	<0.000991	<0.000865	<0.000979	<0.0011	<0.000987	<0.000849	<0.00101	<0.00088	<0.000999
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000679	<0.000714	<0.000514	<0.000766	<0.000788	<0.000626	<0.000656	<0.000519	<0.000596	<0.00076	<0.000596	<0.000651	<0.000686	<0.000564	<0.00065	<0.000567	<0.000642	<0.00072	<0.000648	<0.000557	<0.000664	<0.000577	<0.000655
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00104	<0.00109	<0.000785	<0.00117	<0.0012	<0.000956	<0.001	<0.000793	<0.00091	<0.00116	<0.00091	<0.000994	<0.00105	<0.000861	<0.000992	<0.000866	<0.00098	<0.0011	<0.000989	<0.00085	<0.00101	<0.000882	<0.001
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00227	<0.00239	<0.00172	<0.00256	<0.00263	<0.00209	<0.00219	<0.00174	<0.002	<0.00255	<0.00199	<0.00218	<0.00229	<0.00188 R	<0.00217	<0.0019	<0.00214	<0.00241	<0.00216	<0.00186	<0.00222	<0.00193	<0.00219
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.0032	<0.00336 J4R	<0.00242 J4R	<0.00361	<0.00371	<0.00295	<0.00309	<0.00244	<0.0028	<0.00358	<0.0028	<0.00306	<0.00323	<0.00265	<0.00306 J4R	<0.00267 J4R	**0.0196 J4-**	<0.00339	<0.00305	<0.00262	<0.00312	<0.00272	<0.00308
1,3-Dichlorobenzene	NS	NS	NS	<0.000959	<0.00101	<0.000726	<0.00108	<0.00111	<0.000884	<0.000926	<0.000733	<0.000841	<0.00107	<0.000841	<0.000919	<0.000968	<0.000796	<0.000917	<0.000801	<0.000907	<0.00102	<0.000914	<0.000786	<0.000937	<0.000815	<0.000925
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000801	<0.000842	<0.000606	<0.000903	<0.000928	<0.000738	<0.000774	<0.000612	<0.000702	<0.000896	<0.000702	<0.000768	<0.000809	<0.000665	<0.000766	<0.000669	<0.000757	<0.000849	<0.000763	<0.000656	<0.000782	<0.000681	<0.000772
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00112	<0.00118	<0.000847	<0.00126	<0.0013	<0.00103	<0.00108	<0.000856	<0.000982	<0.00125	<0.000982	<0.00107	<0.00113	<0.000929	<0.00107	<0.000934	<0.00106	<0.00119	<0.00107	<0.000917	<0.00109	<0.000951	<0.00108
2,2-Dichloropropane	NS	NS	NS	<0.00221	<0.00232	<0.00167	<0.00249	<0.00256	<0.00203	<0.00213	<0.00169	<0.00194	<0.00247	<0.00193	<0.00211	<0.00223	<0.00183	<0.00211	<0.00184	<0.00208	<0.00234	<0.0021	<0.00181	<0.00216	<0.00187	<0.00213
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.102	<0.107	<0.0768	<0.114	<0.118	<0.0935	<0.098	<0.0776	<0.0891	<0.114	<0.0891	<0.0973	<0.102	<0.0842 J4R	<0.0971	<0.0848	<0.0959	<0.108	<0.0968	<0.0832	<0.0992	<0.0863	<0.0979
2-Chlorotoluene	NS	NS	2.3E+04	<0.00138	<0.00146	<0.00105	<0.00156	<0.0016	<0.00127	<0.00134	<0.00106	<0.00121	<0.00155	<0.00121	<0.00133	<0.0014	<0.00115	<0.00132	<0.00115	<0.0013	<0.00147	<0.00132	<0.00113	<0.00135	<0.00118	<0.00133
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.017**	**0.0158**	**0.0159**	**0.0169**	**0.0165**	**0.017**	**0.0165**	**0.0164**	**0.0171**	**0.0162**	**0.0166**	**0.0169**	**0.0172**	**0.0167**	**0.016**	**0.0154**	**0.016**	**0.0166**	**0.0166**	**0.0151**	**0.0169**	**0.0156**	**0.0151**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000719	<0.000756	<0.000544	<0.000811	<0.000834	<0.000663	<0.000695	<0.00055	<0.000632	<0.000805	<0.000631	<0.00069	<0.000726	<0.000598	<0.000688	<0.000601	<0.000681	<0.000762	<0.000686	<0.00059	<0.000703	<0.000611	<0.000694
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00364	<0.00383	<0.00276	<0.00411	<0.00422	<0.00336	<0.00352	<0.00279	<0.0032	<0.00408	<0.00319	<0.00349	<0.00368	<0.00302	<0.00349	<0.00304	<0.00345	<0.00386	<0.00347	<0.00299	<0.00356	<0.0031	<0.00351
Acetone	2.7E+05	6.7E+05	—	<0.0583	<0.0614	<0.0442	<0.0658	<0.0676	<0.0538	<0.0564	<0.0446	<0.0512	<0.0652	<0.0512	<0.0559	<0.0589	<0.0485 J4R	<0.0558	<0.0487	<0.0551	<0.0618 J3	<0.0556 J3	<0.0478	<0.057 J3	<0.0496	<0.0562
Acrylonitrile	NS	NS	1.1E+00	<0.00577	<0.00607	<0.00437	<0.00651	<0.00669	<0.00532	<0.00557	<0.00441	<0.00506	<0.00645	<0.00506	<0.00553	<0.00583	<0.00479	<0.00552	<0.00482	<0.00545	<0.00611	<0.0055	<0.00473	<0.00564	<0.0049	<0.00557
Benzene	3.3E+01	1.4E+00	—	**0.0897**	<0.000785	<0.000565	<0.000842	<0.000865	<0.000688	<0.000721	<0.000571	<0.000655	<0.000835	<0.000654	<0.000716	<0.000754	<0.00062	<0.000714	<0.000623	**0.0276**	**0.00173**	<0.000712	<0.000612	<0.000729	<0.000634	**0.00219**
Bromobenzene	NS	NS	1.8E+03	<0.00144	<0.00151	<0.00109	<0.00162	<0.00167	<0.00133	<0.00139	<0.0011	<0.00127	<0.00162	<0.00126	<0.00138	<0.00145	<0.0012	<0.00138	<0.0012	<0.00136	<0.00152	<0.00137	<0.00118	<0.00141	<0.00122	<0.00138
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00116	<0.00122	<0.000877	<0.00131	<0.00134	<0.00107	<0.00112	<0.000886	<0.00102	<0.0013	<0.00102	<0.00111	<0.00117	<0.000962	<0.00111	<0.000968	<0.0011	<0.00123	<0.0011	<0.00095	<0.00113	<0.000985	<0.00112
Bromoform	1.2E+03	8.0E+01	—	<0.00187	<0.00197	<0.00142	<0.00211	<0.00216	<0.00172	<0.00181	<0.00143	<0.00164	<0.00209	<0.00164	<0.00179	<0.00189	<0.00156	<0.00179	<0.00156	<0.00177	<0.00198	<0.00178	<0.00153	<0.00183	<0.00159	<0.00181
Bromomethane	2.9E+01	3.0E+01	—	<0.00315	<0.00331	<0.00238	<0.00355	<0.00366	<0.0029	<0.00304	<0.00241	<0.00276	<0.00352	<0.00277	<0.00302	<0.00318	<0.00262	<0.00301	<0.00263	<0.00297	<0.00334 J3	<0.003 J3	<0.00258	<0.00308	<0.00268	<0.00304
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00144	<0.00151	<0.00109	<0.00162	<0.00166	<0.00132	<0.00139	<0.0011	<0.00126	<0.0016	<0.00126	<0.00138	<0.00145	<0.00119	<0.00137	<0.0012	<0.00136	<0.00152	<0.00137	<0.00118	<0.0014	<0.00122	<0.00138
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000336	<0.000353	<0.000254	<0.000379	<0.00039	<0.000309	<0.000324	<0.000257	<0.000295	<0.000376	<0.000295	<0.000322	<0.000339	<0.000279	<0.000321	<0.00028	<0.000318	<0.000356	<0.00032	<0.000275	<0.000328	<0.000285	<0.000324
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.000978	<0.00103	<0.00074	<0.0011	<0.00113	<0.000901	<0.000945	<0.000748	<0.000858	<0.00109	<0.000858	<0.000938	<0.000988	<0.000812	<0.000936	<0.000817	<0.000925	<0.00104	<0.000933	<0.000802	<0.000956	<0.000831	<0.000943
Chloroethane	5.9E+04	5.9E+04	—	<0.00272	<0.00286	<0.00206	<0.00306	<0.00316	<0.0025	<0.00262	<0.00208	<0.00238	<0.00303	<0.00239	<0.0026	<0.00274	<0.00226	<0.0026	<0.00227	<0.00257	<0.00288	<0.00259	<0.00223	<0.00266	<0.00231	<0.00262
Chloroform	3.4E+01	1.4E+00	—	<0.00165	<0.00174	<0.00125	<0.00186	<0.0019	<0.00152	<0.00159	<0.00126	<0.00145	<0.00185	<0.00144	<0.00158	<0.00166	<0.00136	<0.00157	<0.00137	<0.00156	<0.00174	<0.00157	<0.00135	<0.00161	<0.0014	<0.00158
Chloromethane	4.7E+02	4.7E+02	—	<0.00695	<0.00731	<0.00526	<0.00784	<0.00807	<0.00641	<0.00672	<0.00532	<0.0061	<0.00778	<0.0061	<0.00667	<0.00702	<0.00577	<0.00665	<0.00581	<0.00657	<0.00737	<0.00663	<0.0057	<0.00679	<0.00591	<0.00671
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00117	<0.00123	<0.000888	<0.00132	<0.00136	<0.00108	<0.00113	<0.000897	<0.00103	<0.00131	<0.00103	<0.00112	<0.00118	<0.000974	<0.00112	<0.000981	<0.00111	**0.0159**	<0.00112	<0.000962	<0.00115	<0.000997	<0.00113
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00121	<0.00127	<0.000916	<0.00136	<0.0014	<0.00111	<0.00117	<0.000925	<0.00106	<0.00135	<0.00106	<0.00116	<0.00122	<0.001	<0.00116	<0.00101	<0.00114	<0.00128	<0.00115	<0.000992	<0.00118	<0.00103	<0.00117
Dibromomethane	NS	NS	9.9E+01	<0.0012	<0.00126	<0.000907	<0.00135	<0.00139	<0.0011	<0.00116	<0.000917	<0.00105	<0.00134	<0.00105	<0.00115	<0.00121	<0.000996	<0.00115	<0.001	<0.00113	<0.00127	<0.00114	<0.000983	<0.00117	<0.00102	<0.00116
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00257	<0.00271	<0.00195	<0.0029	<0.00299	<0.00237	<0.00249	<0.00197	<0.00226	<0.00288	<0.00226	<0.00247	<0.0026	<0.00213	<0.00246	<0.00215	<0.00243	<0.00273 J3	<0.00245 J3	<0.00211	<0.00251	<0.00219	<0.00248
Di-isopropyl ether	NS	NS	9.4E+03	<0.000655	<0.000689	<0.000496	<0.000739	<0.00076	<0.000604	<0.000633	<0.000501	<0.000576	<0.000734	<0.000575	<0.000628	<0.000662	<0.000545	<0.000627	<0.000547	<0.00062	<0.00069	<0.000625	<0.000537	<0.00064	<0.000557	<0.000632
Ethylbenzene	5.4E+02	2.6E+01	—	**0.00639**	<0.00124	<0.000892	<0.00133	<0.00137	<0.00109	<0.00114	<0.000901	<0.00103	<0.00132	<0.00103	<0.00113	<0.00119	<0.000978	<0.00113	<0.000984	**0.0232**	<0.00125	<0.00112	<0.000966	<0.00115	<0.001	<0.00114
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.00959	<0.0101	<0.00726	<0.0108	<0.0111	<0.00884	<0.00926	<0.00733	<0.00841	<0.0107	<0.00841	<0.00919	<0.00968	<0.00796	<0.00917	<0.00801	<0.00907	<0.0102 J3	<0.00914 J3	<0.00786	<0.00937	<0.00815	<0.00925
Isopropylbenzene	NS	NS	NS	**0.109**	<0.000714	<0.000514	<0.000766	<0.000788	<0.000626	<0.000656	<0.000519	<0.000596	<0.00076	<0.000596	<0.000651	<0.000686	<0.000564	<0.00065	<0.000567	**0.0373**	**0.0357**	<0.000648	<0.000557	<0.000664	<0.000577	<0.000655
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000559	<0.000588	<0.000423	<0.000631	<0.000649	<0.000515	<0.00054	<0.000428	<0.000491	<0.000627	<0.000491	<0.000536	<0.000565	<0.000465	<0.000535	<0.000467	<0.000528	<0.000593	<0.000533	<0.000459	<0.000547	<0.000475	<0.000539
Methylene Chloride	4.9E+02	2.5E+01	—	<0.0106	<0.0112	<0.00803	<0.012	<0.0123	<0.00978	<0.0103	<0.00812	<0.00931	<0.0119	<0.00931	<0.0102	<0.0107	<0.00881	<0.0102	<0.00886	<0.01	<0.0112	<0.0101	<0.0087	<0.0104	<0.00902	<0.0102
Naphthalene	4.0E+02	1.7E+01	—	**0.0766**	<0.00819	<0.0059	<0.0088	<0.00904	<0.00719	<0.00753	<0.00596	<0.00684	<0.00873	<0.00684	<0.00748	<0.00788	<0.00647	<0.00746	<0.00651	**0.0737**	<0.00827	<0.00744	<0.00639	<0.00762 J3	<0.00663	<0.00752
n-Butylbenzene	NS	NS	5.8E+04	**0.145**	<0.00882	<0.00635	<0.00946	<0.00973	<0.00773	<0.00811	<0.00642	<0.00736	<0.00938	<0.00736	<0.00804	<0.00847	<0.0069	<0.00803	<0.00701	<0.00793	<0.00889	<0.008	<0.00688	<0.0082	<0.00713	<0.00809
n-Propylbenzene	NS	NS	2.4E+04	**0.323**	<0.0016	<0.00115	<0.00171	<0.00177	<0.0014	<0.00147	<0.00116	<0.00134	<0.0017	<0.00134	<0.00146	<0.00153	<0.00126	<0.00145	<0.00127	**0.00763**	<0.00161	<0.00145	<0.00124	<0.00148	<0.00129	<0.00146
p-Isopropyltoluene	NS	NS	NS	**0.0121**	<0.00429	<0.00309	<0.0046	<0.00472	<0.00376	<0.00394	<0.00312	<0.00358	<0.00456	<0.00357	<0.00391	<0.00412	<0.00338	<0.0039	<0.0034	**0.0254**	<0.00432	<0.00389	<0.00334	<0.00398	<0.00346	<0.00393
sec-Butylbenzene	NS	NS	1.2E+05	**0.0564**	<0.00483	<0.00348	<0.00519	<0.0534	<0.00424	<0.00445	<0.00352	<0.00404	<0.00515	<0.00404	<0.00441	<0.00465	<0.00382	<0.0044	<0.00384	<0.00435	<0.00488	<0.00439	<0.00377	<0.0045	<0.00391	<0.00444
Styrene	2.5E+04	3.3E+04	—	<0.000366	<0.000385	<0.000277	<0.000413	<0.000424	<0.000337	<0.000354	<0.00028	<0.000321	<0.000409	<0.000321	<0.000351	<0.00037	<0.000303	<0.00035	<0.000306	<0.000346	<0.000388	<0.000349	<0.0003	<0.000358	<0.000311	<0.000353
tert-Butylbenzene	NS	NS	1.2E+05	<0.00312	<0.00328	<0.00236	<0.00352	<0.00362	<0.00287	<0.00301	<0.00238	<0.00274	<0.00349	<0.00274	<0.00299	<0.00315	<0.00258	<0.00298	<0.0026	<0.00294	<0.0033	<0.00297	<0.00256	<0.00305	<0.00265	<0.003
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00143	<0.0015	<0.00108	<0.00162	<0.00166	<0.00132	<0.00138	<0.0011	<0.00126	<0.0016	<0.00126	<0.00137	<0.00145	<0.00119	<0.00137	<0.0012	**0.00491**	<0.00152	<0.00137	<0.00117	<0.0014	<0.00122	<0.00138
Toluene	4.7E+03	5.3E+03	—	**0.00918**	<0.00218	<0.00157	<0.00234	<0.0024	<0.00191	<0.00201	<0.00159	<0.00183	**0.0113**	<0.00182	<0.00199	<0.0021	<0.00172	<0.00199	<0.00174	**0.0816**	<0.0022	<0.00198	<0.0017	<0.00203	<0.00177	<0.00201
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00166	<0.00175	<0.00126	<0.00187	<0.00192	<0.00153	<0.00161	<0.00127	<0.00146	<0.00186	<0.00145	<0.00159	<0.00168	<0.00138	<0.00159	<0.00139	<0.00158	<0.00176	<0.00158	<0.00136	<0.00162	<0.00141	<0.00161
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00182	<0.00192	<0.00138	<0.00206	<0.00211	<0.00168	<0.00176	<0.00139	<0.0016	<0.00205	<0.0016	<0.00175	<0.00184	<0.00151	<0.00174	<0.00152	<0.00172	<0.00193	<0.00174	<0.00149	<0.00178	<0.00155	<0.00175
Trichloroethene	1.8E+01	6.1E+00	—	<0.000933	<0.000982	<0.000707	<0.00105	<0.00108	<0.00086	<0.000902	<0.000714	<0.000819	<0.00104	<0.000819	<0.000895	<0.000943	<0.000775	<0.000893	<0.00078	<0.000882	**0.00644**	<0.000889	<0.000765	<0.000912	<0.000793	<0.0009
Trichlorofluoromethane	NS	NS	3.5E+05	<0.00132	<0.00139	<0.001	<0.00149	<0.00153	<0.00122	<0.00128	<0.00101	<0.00116	<0.00147	<0.00116	<0.00127	<0.00133	<0.0011 R	<0.00126	<0.0011	<0.00125	<0.0014	<0.00126	<0.00108	<0.00129	<0.00112	<0.00127
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00185	<0.00194	<0.0014	<0.00209	<0.00215	<0.00171	<0.00179	<0.00142	<0.00163	<0.00207	<0.00162	<0.00178	<0.00187	<0.0153	<0.00177	<0.00155	<0.00176	<0.00196 J3	<0.00177 J3	<0.00152	<0.00181	<0.00158	<0.00179
Xylenes, Total	2.4E+03	2.5E+03	—	**0.0301**	<0.00147	<0.00106	**0.0123**	<0.00163	<0.0013	<0.00136	<0.00108	<0.00123	<0.00157	<0.00123	<0.00135	<0.00142	<0.00117	<0.00135	<0.00117	**0.141**	<0.00149	<0.00134	<0.00115	<0.00137	<0.0012	<0.00136

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I6-1	G-A1-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	4.0	5.0	8.0	10.0	2.0	4.0	5.0	8.0	10.0	2.0	4.0	5.0	8.0	10.0	2.0	4.0	5.0	8.0	10.0	2.0	3.0	5.0	2.0	
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/21/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																											
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00172	<0.00159	<0.0014	<0.00118	<0.00116	<0.002	<0.0016	<0.00156	<0.00138	<0.00148	<0.00154	<0.00134	<0.00163	<0.00162	<0.00114	<0.00143	<0.0014	<0.00145	<0.0017	<0.00117	<0.00127	<0.00139	<0.00112	
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00167	<0.00155	<0.00136	<0.00115	<0.00113	<0.00195	<0.00156	<0.00152	<0.00135	<0.00144	<0.00151	<0.00131	<0.00158	<0.00158	<0.00111	<0.00139	<0.00136	<0.00141	<0.00166	<0.00114	<0.00123	<0.00136	<0.00109	
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00126	<0.00116	<0.00102	<0.000866	<0.000852	<0.00146	<0.00117	<0.00114	<0.00101	<0.00108	<0.00113	<0.000985	<0.00119	<0.00119	<0.000837	<0.00105	<0.00102	<0.00106	<0.00125	<0.000861	<0.000931	<0.00102	<0.000819	
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.00108	<0.001	<0.00088	<0.000744	<0.000732	<0.00126	<0.00101	<0.00098	<0.000871	<0.000931	<0.00097	<0.000846	<0.00102	<0.00102	<0.000719	<0.000901	<0.000879	<0.000914	<0.00107	<0.000739	<0.0008	<0.000878	<0.000704	
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00137	<0.00126	<0.00111	<0.00094	<0.000924	<0.0016	<0.00127	<0.00124	<0.001	<0.00118	<0.00122	<0.00107	<0.00129	<0.00129	<0.000908 J3	<0.00114	<0.00111 J3	<0.00115	<0.00135 J3	<0.000934	<0.00101	<0.00111	<0.000889	
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000892	<0.000823	<0.000724	<0.000612	<0.000602	<0.00103	<0.000828	<0.000806	<0.000717	<0.000766	<0.000797	<0.000696	<0.000842	<0.00084	<0.000591	<0.000741	<0.000723	<0.000752	<0.000881	<0.000608	<0.000658	<0.000722	<0.000579	
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.0011	<0.00102	<0.000894	<0.000755	<0.000743	<0.00128	<0.00102	<0.000995	<0.000885	<0.000945	<0.000985	<0.000859	<0.00104	<0.00104	<0.000729	<0.000914	<0.000892	<0.000928	<0.00109	<0.000751	<0.000812	<0.000891	<0.000714	
1,1-Dichloropropene	NS	NS	NS	<0.00147	<0.00136	<0.00119	<0.00101	<0.000992	<0.0017	<0.00136	<0.00133	<0.00118	<0.00126	<0.00131	<0.00115	<0.00139	<0.00138	<0.000974	<0.00122	<0.00119	<0.00124	<0.00145	<0.001	<0.00108	<0.00119	<0.000954	
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0133	<0.0123	<0.0108	<0.00914	<0.00899	<0.0154	<0.0124	<0.012	<0.0107	<0.0114	<0.0119	<0.0104	<0.0126	<0.0125	<0.00882	<0.0111	<0.0108	<0.0112	<0.0132	<0.00908	<0.00982	<0.0108	<0.00864 R	
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00294	<0.00271	<0.00239	<0.00202	<0.00199	<0.00341	<0.00273	<0.00266	<0.00236	<0.00253	<0.00263	<0.0023	<0.00278	<0.00277	<0.00195 J4	<0.00244	<0.00239 J4	<0.00248	<0.00291 J4	<0.00201	<0.00217	<0.00238	<0.00191	
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00287	<0.00265	<0.00233	<0.00197	<0.00194	<0.00333	<0.00266	<0.00259	<0.00231	<0.00246	<0.00257	<0.00224	<0.00271	<0.0027	<0.0019	**0.0228**	<0.00233	<0.00242	<0.00284	<0.00196	<0.00212	<0.00232	<0.00186 J4	
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00799	<0.00737	<0.00649	<0.00549	<0.00539	<0.00926 J3	<0.00742	<0.00722 J3	<0.00642	<0.00686	<0.00715 J3	<0.00624	<0.00754 J3	<0.00753	<0.0053	<0.00664 J3	<0.00648	<0.00674 J3	<0.0079	<0.00545	<0.00559	<0.00647	<0.00519 R	
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00287	<0.00265	<0.00233	<0.00197	<0.00194	<0.00333	<0.00266	<0.00259	<0.00231	<0.00246	<0.00257	<0.00224	<0.00271	<0.0027	<0.0019	**0.0869**	<0.00233	<0.00242	<0.00284	<0.00196	<0.00212	<0.00232	<0.00186 J4	
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00709	<0.00654	<0.00575	<0.00486	<0.00478	<0.00821	<0.00658	<0.0064	<0.00569	<0.00608	<0.00633	<0.00553	<0.00669	<0.00667	<0.00469	<0.00588	<0.00574	<0.00597	<0.007	<0.00483	<0.00523	<0.00574	<0.0046	
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.00118	<0.00109	<0.000955	<0.000808	<0.000794	<0.00136	<0.00109	<0.00106	<0.000946	<0.00101	<0.00105	<0.000918	<0.00111	<0.00111	<0.00078	<0.000977	<0.000954	<0.000992	<0.00116	<0.000803	<0.000868	<0.000953	<0.000764	
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000772	<0.000712	<0.000627	<0.00053	<0.000521	<0.000895	<0.000717	<0.000698	<0.00062	<0.000663	<0.000691	<0.000602	<0.000729	<0.000727	<0.000512	**0.0225**	<0.000626	<0.000651	<0.000763	<0.000526	<0.00057	<0.000625	<0.000501	
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00118	<0.00109	<0.000957	<0.000809	<0.000796	<0.00137	<0.00109	<0.00107	<0.000947	<0.00101	<0.00105	<0.00092	<0.00111	<0.00111	<0.000781	<0.000979	<0.000956	<0.000993	<0.00117	<0.000804	<0.00087	<0.000955	<0.000765	
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00258	<0.00238	<0.00209	<0.00177	<0.00174	<0.00299	<0.00239	<0.00233	<0.00207	<0.00221	<0.0023	<0.00201	<0.00243	<0.00243	<0.00171	<0.00214	<0.00209	<0.00217	<0.00255	<0.00176	<0.00119	<0.00209	<0.00167	
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00363	<0.00335	<0.00295	<0.00249	<0.00245	<0.00421	<0.00337	<0.00328	<0.00292	<0.00312	<0.00325	<0.00283	<0.00343	<0.00342	<0.00241	**0.0269**	<0.00294	<0.00306	<0.00359	<0.00248	<0.00268	<0.00294	<0.00236 J4R	
1,3-Dichlorobenzene	NS	NS	NS	<0.00109	<0.00101	<0.000885	<0.000748	<0.000736	<0.00126	<0.00101	<0.000985	<0.000876	<0.000936	<0.000974	<0.00085	<0.00103	<0.00103	<0.000722	<0.000905	<0.000883	<0.000918	<0.00108	<0.000743	<0.000804	<0.000883	<0.000707	
1,3-Dichloropropane	NS	NS	2.3E+04	<0.00091	<0.00084	<0.000739	<0.000625	<0.000614	<0.00106	<0.000845	<0.000822	<0.000731	<0.000781	<0.000813	<0.00071	<0.000859	<0.000857	<0.000603	<0.000756	<0.000738	<0.000767	<0.000899	<0.000621	<0.000671	<0.000737	<0.000591	
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00127	<0.00117	<0.00103	<0.000873	<0.000858	<0.00147	<0.00118	<0.00115	<0.00102	<0.00109	<0.00114	<0.000992	<0.0012	<0.0012	<0.000843	**0.0175**	<0.00103	<0.00107	<0.00126	<0.000867	<0.000938	<0.00103	<0.000825	
2,2-Dichloropropane	NS	NS	NS	<0.00251	<0.00231	<0.00203	<0.00172	<0.00169	<0.00291	<0.00233	<0.00227	<0.00201	<0.00215	<0.00224	<0.00196	<0.00237	<0.00236	<0.00166	<0.00208	<0.00203	<0.00211	<0.00248	<0.00171	<0.00184	<0.00203	<0.00163	
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.115	<0.106	<0.0936	<0.0792	<0.0778	<0.134	<0.107	<0.104	<0.0927	<0.0993	<0.103	<0.09	<0.109	<0.109	<0.0764 J3	<0.0958	<0.0935 J3	<0.0972	<0.114 J3	<0.0787 J4	<0.0851 J4	<0.0934 J4	<0.0748	
2-Chlorotoluene	NS	NS	2.3E+04	<0.00157	<0.00145	<0.00128	<0.00108	<0.00106	<0.00183	<0.00146	<0.00142	<0.00126	<0.00135	<0.00141	<0.00123	<0.00148	<0.00148	<0.00104	<0.0013	<0.00127	<0.00132	<0.00155	<0.00107	<0.00116	<0.00127	<0.00102	
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0154**	**0.017**	**0.0153**	**0.0167**	**0.0158**	**0.0168**	**0.0152**	**0.0172**	**0.0153**	**0.017**	**0.0169**	**0.0167**	**0.0166**	**0.017**	**0.016**	**0.0171**	**0.0165**	**0.017**	**0.0167**	**0.0167**	**0.0167**	**0.0169**	**0.016**	
4-Chlorotoluene	NS	NS	2.3E+04	<0.000817	<0.000754	<0.000664	<0.000561	<0.000552	<0.000948	<0.000759	<0.000739	<0.000657	<0.000702	<0.000731	<0.000638	<0.000772	<0.00077	<0.000542	<0.000679	<0.000663	<0.000689	<0.000808	<0.000557 J4	<0.000603 J4	<0.000662 J4	<0.00053	
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00414	<0.00382	<0.00336	<0.00284	<0.0028	<0.0048	<0.00385	<0.00374	<0.00333	<0.00356	<0.00371	<0.00323	<0.00391	<0.0039	<0.00274	<0.00344	<0.00336	<0.00349	<0.00409	<0.00282	<0.00306	<0.00335	<0.00269	
Acetone	2.7E+05	6.7E+05	—	<0.0663	<0.0612	<0.0538	<0.0455	<0.0447	<0.0768 J3	<0.0616	<0.0599 J3	<0.0533	<0.0569	<0.0592 J3	<0.0517	<0.0626 J3	<0.0625	<0.0439 J3J4	<0.0551 J3	<0.0537 J3J4	<0.0559 J3	<0.0655 J3J4	<0.0452 J4	<0.0489 J4	<0.0537 J4	<0.043	
Acrylonitrile	NS	NS	1.1E+00	<0.00655	<0.00605	<0.00532	<0.0045	<0.00443	<0.00761	<0.00609	<0.00593	<0.00527	<0.00563	<0.00586	<0.00512	<0.00619	<0.00618	<0.00435	<0.00545	<0.00532	<0.00553	<0.00648	<0.00447	<0.00484	<0.00531	<0.00425	
Benzene	3.3E+01	1.4E+00	—	<0.000848	<0.000783	<0.000689	<0.000582	<0.000572	<0.000984	<0.000788	<0.000767	<0.000682	<0.000728	<0.000759	<0.000662	<0.000801	<0.000799	<0.000562	**0.00241**	<0.000688	<0.000715	<0.000838	<0.000578	<0.000625	<0.000687	<0.00055	
Bromobenzene	NS	NS	1.8E+03	<0.00164	<0.00151	<0.00133	<0.00112	<0.0011	<0.00189	<0.00152	<0.00148	<0.00131	<0.0014	<0.00146	<0.00128	<0.00154	<0.00154	<0.00108	<0.00136	<0.00133	<0.00138	<0.00162	<0.00111	<0.00121	<0.00132	<0.00106	
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00132	<0.00121	<0.00107	<0.000904	<0.000889	<0.00153	<0.00122	<0.00119	<0.00106	<0.00113	<0.00118	<0.00103	<0.00124	<0.00124	<0.000873	<0.00109	<0.00107	<0.00111	<0.0013	<0.000898	<0.000972	<0.00107	<0.000855	
Bromoform	1.2E+03	8.0E+01	—	<0.00212	<0.00196	<0.00173	<0.00146	<0.00143	<0.00246	<0.00197	<0.00192	<0.00171	<0.00182	<0.0019	<0.00166	<0.00201	<0.002	<0.00141	<0.00176	<0.00172	<0.00179	<0.0021	<0.00145	<0.00156	<0.00172	<0.00138	
Bromomethane	2.9E+01	3.0E+01	—	<0.00358	<0.0033	<0.0029	<0.00246	<0.00241	<0.00415	<0.00332	<0.00323	<0.00288	<0.00307	<0.0032	<0.00279	<0.00338	<0.00337	<0.00237	<0.00297	<0.0029	<0.00302	<0.00354	<0.00244	<0.00264	<0.0029	<0.00232	
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00164	<0.0015	<0.00132	<0.00112	<0.0011	<0.00189	<0.00151	<0.00147	<0.00131	<0.0014	<0.00146	<0.00127	<0.00154	<0.00154	<0.00108	<0.00135	<0.00132	<0.00137	<0.00161	<0.00111	<0.00122	<0.00132	<0.00106	
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000381	<0.000352	<0.00031	<0.000262	<0.000257	<0.000443	<0.000354	<0.000345	<0.000307	<0.000327	<0.000341	<0.000298	<0.00036	<0.000359	<0.000253	<0.000317	<0.000309	<0.000321	<0.000377	<0.00026	<0.000281	<0.000309	<0.000248	
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.00111	<0.00103	<0.000902	<0.000763	<0.00075	<0.00129	<0.00103	<0.001	<0.000893	<0.000954	<0.000994	<0.000867	<0.00105	<0.00105	<0.000737	<0.000923	<0.000901	<0.000937	<0.0011	<0.000758	<0.00082	<0.0009	<0.000721	
Chloroethane	5.9E+04	5.9E+04	—	<0.00308	<0.00285	<0.00251	<0.00212	<0.00208	<0.00358	<0.00287	<0.00279	<0.00248	<0.00265	<0.00276	<0.00241	<0.00291	<0.00291	<0.00205	<0.00256	<0.0025	<0.0026	<0.00305	<0.00211	<0.00228	<0.0025	<0.002	
Chloroform	3.4E+01	1.4E+00	—	<0.00186	<0.00173	<0.00152	<0.00128	<0.00126	<0.00217	<0.00174	<0.00169	<0.0015	<0.00161	<0.00167	<0.00146	<0.00177	<0.00176	<0.00124	<0.00155	<0.00152	<0.00158	<0.00185	<0.00128	<0.00137	<0.00152	<0.00121	
Chloromethane	4.7E+02	4.7E+02	—	<0.0079	<0.00729	<0.00641	<0.00542	<0.00533	<0.00917	<0.00734	<0.00714	<0.00635	<0.00678	<0.00707	<0.00617	<0.00746	<0.00744	<0.00524	<0.00656	<0.0064	<0.00666	<0.00781	<0.00539	<0.00583	<0.0064	<0.00513	
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00133	<0.00123	<0.00108	<0.000915	<0.0009	<0.00155	<0.00124	<0.0012	<0.00107	<0.00114	<0.00119	<0.00104	<0.00126	<0.00126	<0.000884	<0.00111	<0.00108	<0.00112	<0.00132	**0.018**	**0.011**	**0.0143**	<0.000865	
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00138	<0.00127	<0.00112	<0.000944	<0.000928	<0.0016	<0.00128	<0.00124	<0.00111	<0.00118	<0.00123	<0.00107	<0.0013	<0.0013	<0.000911	<0.00114	<0.00111	<0.00116	<0.00136	<0.000938	<0.00101	<0.00111	<0.000892	
Dibromomethane	NS	NS	9.9E+01	<0.00136	<0.00126	<0.00111	<0.000935	<0.000919	<0.00158	<0.00126	<0.00123	<0.00109	<0.00117	<0.00122	<0.00106	<0.00129	<0.00128	<0.000903	<0.00113	<0.0011	<0.00115	<0.00135	<0.00092	<0.001	<0.0011	<0.000884	
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00292	<0.0027	<0.00237	<0.00201	<0.00197	<0.00339	<0.00272	<0.00264	<0.00235	<0.00251	<0.00261	<0.00228	<0.00276	<0.00275	<0.00194	<0.00243	<0.00237	<0.00246	<0.00289	<0.00199	<0.00216	<0.00237	<0.0019	
Di-isopropyl ether	NS	NS	9.4E+03	<0.000744	<0.000687	<0.000605	<0.000511	<0.000503	<0.000864	<0.000691	<0.000673	<0.000598	<0.000639	<0.000666	<0.000581	<0.000703	<0.000702	<0.000494	<0.000618	<0.000604	<0.000628	<0.000736	<0.000508	<0.000549	<0.000603	<0.000483	
Ethylbenzene	5.4E+02	2.6E+01	—	<0.00134	<0.00123	<0.00109	<0.000919	<0.000903	<0.00155	<0.00124	<0.00121	<0.00108	<0.00115	<0.0012	<0.00104	<0.00126	<0.00126	<0.000887	**0.00674**	<0.00109	<0.00113	<0.00132	<0.000913	<0.000987	<0.00108	<0.000869	
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.0109	<0.0101	<0.00885	<0.00748	<0.00736	<0.0126	<0.0101	<0.00985	<0.00876	<0.00936	<0.00974	<0.0085	<0.0103	<0.0103	<0.00722	<0.00905	<0.00883	<0.00918	<0.0108	<0.00743	<0.00804	<0.00883	<0.00707	
Isopropylbenzene	NS	NS	NS	<0.000772	<0.000712	<0.000627	<0.00053	<0.000521	<0.000895	<0.000717	<0.000698	<0.00062	<0.000663	<0.000691	<0.000602	<0.000729	<0.000727	<0.000512	<0.000641	<0.000626	<0.000651	<0.000763	<0.000526	<0.00057	<0.000625	<0.000501	
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000636	<0.000586	<0.000516	<0.000436	<0.000429	<0.000737	<0.00059	<0.000575	<0.000511	<0.000546	<0.000568	<0.000496	<0.0006	<0.000599	<0.000421	<0.000528	<0.000515	<0.000536	<0.000628	<0.000434	<0.000469	<0.000515	<0.000413	
Methylene Chloride	4.9E+02	2.5E+01	—	<0.0121	<0.0111	<0.00979	<0.00828	<0.00814	<0.014	<0.0112	<0.0109	<0.00969	<0.0104	<0.0108	<0.00941	<0.0114	<0.0114	<0.00799	<0.01	<0.00978	<0.0102	<0.0119	<0.0082	<0.00889	<0.00977	<0.00783	
Naphthalene	4.0E+02	1.7E+01	—	<0.00887	<0.00818	<0.0072	<0.00608	<0.00598	<0.0103 J3	<0.00823	<0.00801 J3	<0.00712	**0.0644**	<0.00793 J3	<0.00692	<0.00837 J3	<0.00835	**0.0165**	**0.03 J3**	<0.00719	<0.00747 J3	<0.00876	<0.00604 J3	<0.00653 J3	<0.00718 J3	<0.00575	
n-Butylbenzene	NS	NS	5.8E+04	<0.00954	<0.0088	<0.00774	<0.00654	<0.00644	<0.0111	<0.00885	<0.00862	<0.00766	<0.00819	<0.00853	<0.00744	<0.009	<0.00898	<0.00632	<0.00792	<0.00773	<0.00804	<0.00942	<0.0065	<0.00704	<0.00772	<0.00619	
n-Propylbenzene	NS	NS	2.4E+04	<0.00172	<0.00159	<0.0014	<0.00118	<0.00116	<0.002	<0.0016	<0.00156	<0.00139	<0.00148	<0.00155	<0.00135	<0.00163	<0.00163	<0.00114	**0.014**	<0.0014	<0.00145	<0.00171	<0.00118	<0.00127	<0.0014	<0.00112	
p-Isopropyltoluene	NS	NS	NS	<0.00464	<0.00427	<0.00376	<0.00318	<0.00313	<0.00538	<0.0043	<0.00419	<0.00372	<0.00398	<0.00415	<0.00361	<0.00437	<0.00436	<0.00307	<0.00385	<0.00375	<0.0039	<0.00458	<0.00316	<0.00342	<0.00375	<0.00301	
sec-Butylbenzene	NS	NS	1.2E+05	<0.00524	<0.00483	<0.00425	<0.00359	<0.00353	<0.00607	<0.00486	<0.00473	<0.0042	<0.00449	<0.00468	<0.00408	<0.00494	<0.00493	<0.00347	<0.00434	<0.00424	<0.00441	<0.00517	<0.00357	<0.00385	<0.00424	<0.00339	
Styrene	2.5E+04	3.3E+04	—	<0.000415	<0.000384	<0.000338	<0.000285	<0.000281	<0.000482	<0.000386	<0.000376	<0.000334	<0.000357	<0.000372	<0.000325	<0.000393	<0.000392	<0.000276	<0.000345	<0.000337	<0.000351	<0.000411	<0.000284	<0.000307	<0.000337	<0.00027	
tert-Butylbenzene	NS	NS	1.2E+05	<0.00354	<0.00327	<0.00288	<0.00243	<0.00239	<0.00411	<0.00329	<0.0032	<0.00285	<0.00304	<0.00317	<0.00276	<0.00334	<0.00334	<0.00235	<0.00294	<0.00287	<0.00299	<0.0035	<0.00242	<0.00261	<0.00287	<0.0023	
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00162	<0.0015	<0.00132	<0.00112	<0.0011	<0.00189	<0.00151	<0.00147	<0.00131	<0.0014	<0.00146	<0.00127	<0.00154	<0.00153	<0.00108	<0.00135	<0.00132	<0.00137	<0.00161	<0.00111	<0.00122	<0.00132	<0.00106	
Toluene	4.7E+03	5.3E+03	—	**0.0103**	<0.00218	<0.00192	<0.00162	<0.00159	<0.00274	<0.00219	<0.00213	<0.0019	<0.00203	<0.00211	<0.00184	<0.00223	<0.00222	<0.00156	**0.0119**	<0.00191	<0.00199	<0.00233	<0.00161	<0.00174	<0.00191	<0.00153	
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00188	<0.00174	<0.00153	<0.0013	<0.00127	<0.00218	<0.00175	<0.00171	<0.00152	<0.00162	<0.00168	<0.00147	<0.00178	<0.00178	<0.00125	<0.00157	<0.00153	<0.00159	<0.00187	**0.0166**	**0.00854**	**0.0113**	<0.00123	
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00208	<0.00191	<0.00168	<0.00142	<0.0014	<0.0024	<0.00192	<0.00187	<0.00166	<0.00178	<0.00185	<0.00162	<0.00195	<0.00195	<0.00137	<0.00172	<0.00168	<0.00175	<0.00205	<0.00141	<0.00153	<0.00168	<0.00134	
Trichloroethene	1.8E+01	6.1E+00	—	<0.00096	<0.000979	<0.000861	<0.000728	<0.000716	<0.00123	<0.000985	<0.000959	<0.000852	<0.000911	<0.000948	<0.000828	<0.001	<0.000999	<0.000703	<0.000881	<0.00086	<0.000894	<0.00105	**0.0114**	**0.0102**	**0.00771**	<0.000688	
Trichlorofluoromethane	NS	NS	3.5E+05	<0.0015	<0.00139	<0.00122	<0.00103	<0.00101	<0.00174	<0.00139	<0.00136	<0.00121	<0.00129	<0.00134	<0.00117	<0.00142	<0.00141	<0.000996	<0.00125	<0.00122	<0.00127	<0.00148	<0.00102	<0.00111	<0.00122	<0.000975	
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00211	<0.00194	<0.00171	<0.00145	<0.00142	<0.00245	<0.00196	<0.0019	<0.00169	<0.00181	<0.00189	<0.00164	<0.00199	<0.00198	<0.00143	<0.00175	<0.00171	<0.00178	<0.00208	<0.00144	<0.00155	<0.00171	<0.00137	
Xylenes, Total	2.4E+03	2.5E+03	—	**0.0185**	<0.00147	<0.0013	<0.0011	<0.00108	<0.00186	<0.00148	<0.00144	<0.00128	**0.012**	<0.00143	<0.00125	<0.00151	<0.00151	<0.00106	**0.0637**	<0.0013	<0.00135	<0.00158	<0.00109	<0.00118	<0.00129	<0.00104	

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-B2-1	G-B2-1	G-B3-1	G-B3-1	G-B3-1	G-B3-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-D1-1	G-D1-1	G-D2-1	G-D2-1	G-D2-1	G-D3-1	G-D3-1	G-D3-1	G-D3-1	G-E1-1	G-E1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	3.0	5.0	2.0	3.0	4.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00113	<0.00144	<0.00121	<0.0015	<0.00119	<0.00161	<0.00113	<0.00107	<0.00151	<0.00137	<0.00107	<0.00177	<0.00116	<0.0107	<0.00129	<0.00134	<0.00115	<0.00119	<0.00139	<0.00139	<0.00173	<0.00125	<0.00132
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.0011	<0.0014	<0.00118	<0.00146	<0.00116	<0.00157	<0.0011	<0.00104	<0.00147	<0.00134	<0.00104	<0.00172	<0.00113	<0.0105	<0.00126	<0.00131	<0.00112	<0.00116	<0.00136	<0.00135	<0.00169	<0.00122	<0.00128
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.000829	<0.00106	<0.000889	<0.0011	<0.000872	<0.00118	<0.00083	<0.000784	<0.00111	<0.00101	<0.000787	<0.0013	<0.000851	<0.00788	<0.000947	<0.000984	<0.000841	<0.00087	<0.00102	<0.00102	<0.00127	<0.00092	<0.000966
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000712	<0.000908	<0.000764	<0.000945	<0.000749	<0.00102	<0.000713	<0.000674	<0.000953	<0.000865	<0.000676	<0.00111	<0.000731	<0.00678	<0.000813	<0.000845	<0.000722	<0.000747	<0.000878	<0.000875	<0.00109	<0.00079	<0.00083
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.000899	<0.00115	<0.000965	<0.00119	<0.000946	<0.00128	<0.0009	<0.000851	<0.0012	<0.00109	<0.000854	<0.00141	<0.000923	<0.00855	<0.00103	<0.00107	<0.000912	<0.000944	<0.00111	<0.00111	<0.00138	<0.000998	<0.00105
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000586	<0.000747	<0.000628	<0.000777	<0.000616	<0.000836	<0.000586	<0.000554	<0.000784	<0.000711	<0.000556	<0.000915	<0.000601	<0.00557	<0.000669	<0.000695	<0.000594	<0.000615	<0.000722	<0.00072	**0.00919**	<0.00065	<0.000683
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.000723	<0.000922	<0.000775	<0.00096	<0.00076	<0.00103	<0.000723	<0.000684	<0.000967	<0.000878	<0.000686	<0.00113	<0.000742	<0.00688	<0.000826	<0.000858	<0.000733	<0.000759	<0.000891	<0.000889	<0.00111	<0.000802	<0.000843
1,1-Dichloropropene	NS	NS	NS	<0.000965	<0.00123	<0.00104	<0.00128	<0.00101	<0.00138	<0.000966	<0.000913	<0.00129	<0.00117	<0.000916	<0.00151	<0.000991	<0.00917	<0.0011	<0.00115	<0.000979	<0.00101	<0.00119	<0.00119	<0.00148	<0.00107	<0.00112
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00874 R	<0.0111	<0.00938 R	<0.0116 R	<0.00919	<0.0125 R	<0.00875 R	<0.00827	<0.0117 R	<0.0106 R	<0.0083	<0.0137	<0.00898	<0.0831	<0.00999	<0.0104	<0.00887	<0.00918	<0.0108	<0.0107	<0.0134	<0.0097	<0.0102
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00193	<0.00246	<0.00207	<0.00257	<0.00203	<0.00276	<0.00193	<0.00183	<0.00259	<0.00235	<0.00183	<0.00301	<0.00198	<0.0184	<0.00221	<0.00229	<0.00196	<0.00203	<0.00238	<0.00238	<0.00297	<0.00214	<0.00225
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00188 J4	<0.0024	<0.00202 J4	<0.0025 J4	<0.00198	<0.00269 J4	<0.00189 J4	<0.00178	<0.00252 J4	<0.00229 J4	<0.00179	<0.00295	<0.00193	<0.0179	<0.00215	**0.0477**	<0.00191	<0.00198	<0.00232	<0.00232	**0.0356**	<0.00209	<0.0022
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00525 R	<0.00669	<0.00563 R	<0.00697 R	<0.00552	<0.00749 R	<0.00525 R	<0.00496	<0.00702 R	<0.00637 R	<0.00498	<0.0082	<0.00539	<0.0499	<0.006	<0.00623	<0.00532	<0.00551	<0.00647	<0.00645	<0.00805	<0.00582	<0.00612
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.00188 J4	<0.0024	<0.00202 J4	<0.0025 J4	<0.00198	<0.00269 J4	<0.00189 J4	<0.00178	<0.00252 J4	<0.00229 J4	<0.00179	<0.00295	<0.00193	<0.0179	<0.00215	**0.0354**	<0.00191	<0.00198	<0.00232	<0.00232	**0.0769**	<0.00209	<0.0022
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00465	<0.00593	<0.00499	<0.00618	<0.00489	<0.00664	<0.00465	<0.0044	<0.00623	<0.00565	<0.00441	<0.00727	<0.00478	<0.0442	<0.00531	<0.00552	<0.00472	<0.00488	<0.00573	<0.00572	<0.00714	<0.00516	<0.00542
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.000773	<0.000986	<0.000829	<0.00103	<0.000813	<0.0011	<0.000773	<0.000731	<0.00103	<0.000939	<0.000734	<0.00121	<0.000793	<0.00734	<0.000883	<0.000917	<0.000784	<0.000811	<0.000953	<0.00095	<0.00118	<0.000858	<0.000921
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000507	<0.000646	<0.000544	<0.000673	<0.000533	<0.000723	<0.000507	<0.00048	<0.000679	<0.000616	<0.000481	<0.000792	<0.00052	<0.00482	<0.000579	<0.000602	<0.000514	<0.000532	<0.000625	<0.000623	<0.000777	<0.000563	<0.000591
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000774	<0.000987	<0.000831	<0.00103	<0.000814	<0.0011	<0.000775	<0.000732	<0.00104	<0.00094	<0.000735	<0.00121	<0.000795	<0.00736	<0.000884	<0.000919	<0.000785	<0.000813	<0.000954	<0.000952	<0.00119	<0.000859	<0.000902
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00169	<0.00216	<0.00182	<0.00225	<0.00178	<0.00242	<0.00169	<0.0016 R	<0.00227	<0.00206	<0.00161	<0.00264 J4R	<0.00174	<0.0162	<0.00193	<0.00201	<0.00172	<0.00178	<0.00209	<0.00208	<0.00259	<0.00188	<0.00197
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00239 J4R	<0.00304	<0.00256 J4R	<0.00317 J4R	<0.00251	<0.0034 J4R	<0.00239 J4R	<0.00226	<0.00319 J4R	<0.0029 J4R	<0.00226	<0.00373	<0.00245	<0.0227	<0.00273	**0.00943**	<0.00242	<0.0025	<0.00294	<0.00293	**0.0303**	<0.00265	<0.00278
1,3-Dichlorobenzene	NS	NS	NS	<0.000716	<0.000913	<0.000768	<0.00095	<0.000753	<0.00102	<0.000716	<0.000677	<0.000958	<0.000869	<0.000679	<0.00112	<0.000735	<0.0068	<0.000818	<0.000849	<0.000726	<0.000751	<0.000882	<0.00088	<0.0011	<0.000794	<0.000834
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000598	<0.000762	<0.000641	<0.000793	<0.000628	<0.000853	<0.000598	<0.000565	<0.0008	<0.000726	<0.000567	<0.000933	<0.000613	<0.00568	<0.000683	<0.000709	<0.000606	<0.000627	<0.000737	<0.000735	<0.000916	<0.000663	<0.000697
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000835	<0.00106	<0.000896	<0.00111	<0.000878	<0.00119	<0.000836	<0.00079	<0.00112	<0.00101	<0.000792	<0.0013	<0.000857	<0.00794	<0.000954	<0.000991	<0.000847	<0.000876	<0.00103	<0.00103	<0.00128	<0.000927	<0.000973
2,2-Dichloropropane	NS	NS	NS	<0.00165	<0.0021	<0.00177	<0.00219	<0.00173	<0.00235	<0.00165	<0.00156	<0.0022	<0.002	<0.00156	<0.00258	<0.00169 J3	<0.0156 J3	<0.00188 J3	<0.00195 J3	<0.00167 J3	<0.00173 J3	<0.00203 J3	<0.00202 J3	<0.00252 J3	<0.00183	<0.00192
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.0757	<0.0966	<0.0813	<0.101	<0.0797	<0.108	<0.0758	<0.0716 J4R	<0.101	<0.0912	<0.0719	<0.118 J4R	<0.0778	<0.72	<0.0865	<0.0899	<0.0768	<0.0795	<0.0934	<0.0931	<0.116	<0.0841	<0.0883
2-Chlorotoluene	NS	NS	2.3E+04	<0.00103	<0.00132	<0.00111	<0.00137	<0.00109	<0.00147	<0.00103	<0.000976	<0.00138	<0.00125	<0.000979	<0.00161	<0.00106	<0.00981	<0.00118	<0.00122	<0.00105	<0.00108	<0.00127	<0.00127	<0.00158	<0.00115	<0.0012
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0156**	**0.0169**	**0.0157**	**0.0158**	**0.0168**	**0.0154**	**0.0158**	**0.0168**	**0.0154**	**0.0157**	**0.017**	**0.0166**	**0.0165**	**0.0169**	**0.016**	**0.0178**	**0.0168**	**0.0168**	**0.0163**	**0.0163**	**0.0165**	**0.0167**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000537	<0.000684	<0.000576	<0.000713	<0.000564	<0.000766	<0.000537	<0.000508	<0.000718	<0.000652	<0.000509	<0.000839	<0.000551	<0.0051	<0.000613	<0.000637	<0.000544	<0.000563	<0.000662	<0.00066	<0.000823	<0.000596	<0.000626
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00272	<0.00347	<0.00292	<0.00361	<0.00286	<0.00388	<0.00272	<0.00257	<0.00364	<0.0033	<0.00258	<0.00425	<0.00279	<0.0258	<0.00311	<0.00323	<0.00276	<0.00285	<0.00335	<0.00334	<0.00417	<0.00302	<0.00317
Acetone	2.7E+05	6.7E+05	—	<0.0435	<0.0555	<0.0467	<0.0578	<0.0458	<0.0621	<0.0436	<0.0412 J4R	<0.0583	<0.0529	<0.0413	<0.068 J4R	<0.0447	<0.414	<0.0497	<0.0517	<0.0442	<0.0457	<0.0537	<0.0535	<0.0668	<0.0483 J3	<0.0507 J3
Acrylonitrile	NS	NS	1.1E+00	<0.00431	<0.00549	<0.00462	<0.00572	<0.00453	<0.00614	<0.00431	<0.00407	<0.00576	<0.00523	<0.00409	<0.00672	<0.00442	<0.041	<0.00492	<0.00511	<0.00437	<0.00452	<0.00531	<0.00529	<0.00661	<0.00478	<0.00502
Benzene	3.3E+01	1.4E+00	—	<0.000557	<0.00071	<0.000598	<0.000739	<0.000586	<0.000795	<0.000557	<0.000527	<0.000746	<0.000677	<0.000529	**0.00321**	<0.000572	<0.0053	<0.000636	**0.00815**	**0.00381**	<0.000585	**0.00272**	<0.000685	**0.0402**	<0.000618	<0.000649
Bromobenzene	NS	NS	1.8E+03	<0.00107	<0.00137	<0.00115	<0.00143	<0.00113	<0.00153	<0.00107	<0.00102	<0.00144	<0.0013	<0.00102	<0.00168	<0.0011	<0.0102	<0.00123	<0.00127	<0.00109	<0.00113	<0.00132	<0.00132	<0.00165	<0.00119	<0.00125
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.000865	<0.0011	<0.000928	<0.00115	<0.000909	<0.00123	<0.000865	<0.000818	<0.00116	<0.00105	<0.000821	<0.00135	<0.000888	<0.00822	<0.000988	<0.00103	<0.000877	<0.000908	<0.00107	<0.00106	<0.00133	<0.00096	<0.00101
Bromoform	1.2E+03	8.0E+01	—	<0.0014	<0.00178	<0.0015	<0.00185	<0.00147	<0.00199	<0.0014	<0.00132	<0.00187	<0.0017	<0.00132	<0.00217	<0.00143	<0.0133	<0.00159	<0.00166	<0.00142	<0.00146	<0.00172	<0.00172	<0.00213	<0.00155	<0.00163
Bromomethane	2.9E+01	3.0E+01	—	<0.00235	<0.003	<0.00252	<0.00312	<0.00247	<0.00335	<0.00235	<0.00222	<0.00315	<0.00285	<0.00223	<0.00366	<0.00241	<0.0224	<0.00268	<0.00279	<0.00238	<0.00247	<0.0029	<0.00289	<0.00336	<0.00261 J3	<0.00274 J3
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00107	<0.00137	<0.00115	<0.00142	<0.00113	<0.00153	<0.00107	<0.00101	<0.00143	<0.0013	<0.00102	<0.00168	<0.0011	<0.0102	<0.00122	<0.00127	<0.00109	<0.00112	<0.00132	<0.00132	<0.00165	<0.00119	<0.00125
Chlorobenzene	1.2E+03	1.3E+03	—	<0.00025	<0.000319	<0.000269	<0.000333	<0.000263	<0.000357	<0.000251	<0.000237	<0.000335	<0.000304	<0.000238	<0.000391	<0.000257	<0.00238	**0.00962**	<0.000297	<0.000254	<0.000263	<0.000309	<0.000308	**0.00539**	<0.000278	<0.000292
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.00073	<0.000931	<0.000783	<0.000969	<0.000768	<0.00104	<0.00073	<0.00069	<0.000977	<0.000887	<0.000693	<0.00114	<0.000749	<0.0695	<0.000834	<0.000866	<0.00074	<0.000766	<0.0009	<0.000897	<0.00112	<0.00081	<0.000851
Chloroethane	5.9E+04	5.9E+04	—	<0.00203	<0.00259	<0.00218	<0.00269	<0.00213	<0.00289	<0.00203	<0.00192	<0.00271	<0.00246	<0.00192	<0.00317	<0.00208	<0.0193	<0.00232	<0.00241	<0.00206	<0.00213	<0.0025	<0.00249	<0.00331	<0.00225	<0.00236
Chloroform	3.4E+01	1.4E+00	—	<0.00123	<0.00157	<0.00132	<0.00163	<0.00129	<0.00175	<0.00123	<0.00116	<0.00164	<0.00149	<0.00117	<0.00193	<0.00126	<0.0117	<0.0014	<0.00146	<0.00125	<0.00129	<0.00151	<0.00151	<0.00188	<0.00136	<0.00143
Chloromethane	4.7E+02	4.7E+02	—	<0.00519	<0.00662	<0.00557	<0.00689	<0.00546	<0.0074	<0.00519	<0.00491	<0.00694	<0.0063	<0.00492	<0.00811	<0.00533	<0.0493	<0.00593	<0.00616	<0.00526	<0.00545	<0.0064	<0.00638	<0.00795	<0.00576	<0.00605
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.000875	<0.00112	<0.000939	<0.00116	<0.000921	<0.00125	<0.000876	<0.000828	<0.00117	<0.00106	<0.000831	<0.00137	<0.000899	<0.00832	<0.001	<0.00104	<0.000888	<0.000919	<0.00108	<0.00108	<0.00134	<0.000972	<0.00102
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.000903	<0.00115	<0.000969	<0.0012	<0.00095	<0.00129	<0.000904	<0.000854	<0.00121	<0.0011	<0.000857	<0.00141	<0.000927	<0.00859	<0.00103	<0.00107	<0.000916	<0.000948	<0.00111	<0.00111	<0.00138	<0.001	<0.00105
Dibromomethane	NS	NS	9.9E+01	<0.000895	<0.00114	<0.00096	<0.00119	<0.000941	<0.00128	<0.000895	<0.000846	<0.0012	<0.00109	<0.000849	<0.0014	<0.000918	<0.00851	<0.00102	<0.00106	<0.000907	<0.000939	<0.0011	<0.0011	<0.00137	<0.000993	<0.00104
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00192	<0.00245	<0.00206	<0.00255	<0.00202	<0.00274	<0.00192	<0.00182	<0.00257	<0.00233	<0.00182	<0.003	<0.00197	<0.0183	<0.00219	<0.00228	<0.00195	<0.00202	<0.00237	<0.00236	<0.00295	<0.00213 J3	<0.00224 J3
Di-isopropyl ether	NS	NS	9.4E+03	<0.000489	<0.000624	<0.000525	<0.000649	<0.000514	<0.000698	<0.000489	<0.000463	<0.000655	<0.000594	<0.000464	<0.000764	<0.000502	<0.00465	<0.000559	<0.00058	<0.000496	<0.000513	<0.000603	<0.000601	<0.00075	<0.000543	<0.00057
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000879	<0.00112	<0.000943	<0.00117	<0.000924	<0.00125	<0.00088	<0.000832	<0.00118	<0.00107	<0.000834	<0.00137	<0.000902	<0.00836	<0.001	**0.0204**	**0.00773**	<0.000923	<0.00108	<0.00108	**0.0473**	<0.000976	<0.00102
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.00716	<0.00913	<0.00768	<0.0095	<0.00753	<0.0102	<0.00716	<0.00677	<0.00958	<0.00869	<0.00679 J3	<0.0112	<0.00735	<0.068	<0.00818	<0.00849	<0.00726	<0.00751	<0.00882	<0.0088	<0.011	<0.00794 J3	<0.00834 J3
Isopropylbenzene	NS	NS	NS	<0.000507	<0.000646	<0.000544	<0.000673	<0.000533	<0.000723	<0.000507	<0.00048	<0.000679	<0.000616	<0.000481	<0.000792	<0.00052	<0.00482	<0.000579	**0.00453**	<0.000514	<0.000532	<0.000625	<0.000623	**0.00626**	<0.000563	<0.000591
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000417	<0.000532	<0.000448	<0.000554	<0.000439	<0.000596	<0.000418	<0.000395	<0.000559	<0.000507	<0.000396	<0.000652	<0.000429	<0.00397	<0.000477	<0.000495	<0.000423	<0.000438	<0.000515	<0.000513	<0.00064	<0.000463	<0.000487
Methylene Chloride	4.9E+02	2.5E+01	—	<0.00792	<0.0101	<0.0085	<0.0105	<0.00833	<0.0113	<0.00793	<0.00749	<0.0106	<0.00962	<0.00752	<0.0124	<0.00813	<0.0753	<0.00905	<0.0094	<0.00803	<0.00831	<0.00976	<0.00974	<0.0121	<0.00879	<0.00923
Naphthalene	4.0E+02	1.7E+01	—	**0.0197**	<0.00742	<0.00624	<0.00773	<0.00612	<0.00831	<0.00582	<0.00551	<0.00779	<0.00707	<0.00552	<0.0091	**0.0167**	<0.0553	<0.00665	**0.485**	**0.0288**	<0.00611	**0.0276**	<0.00716	**0.101**	<0.00646	<0.00679
n-Butylbenzene	NS	NS	5.8E+04	<0.00628	<0.00799	<0.00672	<0.00831	<0.00659	<0.00894	<0.00627	<0.00592	<0.00838	<0.00781	<0.00594	<0.00978	<0.00643	<0.0595	<0.00715	**0.0239**	<0.00635	<0.00657	<0.00772	<0.0077	<0.0096	<0.00695	<0.0073
n-Propylbenzene	NS	NS	2.4E+04	<0.00113	<0.00145	<0.00122	<0.0015	<0.00119	<0.00162	<0.00113	<0.00107	<0.00152	<0.00138	<0.00108	<0.00177	<0.00116	<0.0108	<0.00129	**0.0117**	<0.00115	<0.00119	<0.0014	<0.00139	**0.022**	<0.00126	<0.00132
p-Isopropyltoluene	NS	NS	NS	<0.00304	<0.00388	<0.00326	<0.00404	<0.0032	<0.00434	<0.00304	<0.00288	<0.00407	<0.00369	<0.00289	<0.00475	<0.00312	<0.0289	<0.00347	**0.0163**	<0.00308	<0.00319	<0.00375	<0.00374	**0.109**	<0.00338	<0.00355
sec-Butylbenzene	NS	NS	1.2E+05	<0.00344	<0.00438	<0.00369	<0.00456	<0.00361	<0.0049	<0.00344	<0.00325	<0.0046	<0.00417	<0.00326	<0.00537	<0.00353	<0.0326	<0.00392	**0.0181**	<0.00348	<0.00361	<0.00423	<0.00422	<0.00527	<0.00381	<0.004
Styrene	2.5E+04	3.3E+04	—	<0.000273	<0.000348	<0.000293	<0.000363	<0.000287	<0.00039	<0.000273	<0.000258	<0.000366	<0.000332	<0.000259	<0.000427	<0.00028	<0.00259	<0.000312	<0.000324	<0.000277	<0.000287	<0.000337	<0.000336	<0.000419	<0.000303	<0.000318
tert-Butylbenzene	NS	NS	1.2E+05	<0.00233	<0.00297	<0.0025	<0.00309	<0.00245	<0.00332	<0.00233	<0.0022	<0.00311	<0.00283	<0.00221	<0.00363	<0.00239	<0.0221	<0.00266	<0.00276	<0.00236	<0.00244	<0.00287	<0.00286	<0.00356	<0.00258	<0.00271
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00107	<0.00136	<0.00115	<0.00142	<0.00112	<0.00152	<0.00107	<0.00101	<0.00143	<0.0013	<0.00101	<0.00168	<0.0011	<0.0102	<0.00122	<0.00127	<0.00108	<0.00112	<0.00132	<0.00131	<0.00164	<0.00119	<0.00125
Toluene	4.7E+03	5.3E+03	—	<0.00155	<0.00198	<0.00166	<0.00206	<0.00163	<0.00221	<0.00155	<0.00147	<0.00208	<0.00188	<0.00147	<0.00242	<0.00159	<0.0147	<0.00177	**0.0333**	**0.00947**	<0.00163	<0.00191	<0.00191	**0.152**	<0.00172	<0.00181
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00124	<0.00158	<0.00133	<0.00165	<0.0013	<0.00177	<0.00124	<0.00117	<0.00166	<0.00151	<0.00118	<0.00194	<0.00127	<0.0118	<0.00142	<0.00147	<0.00126	<0.0013	<0.00153	<0.00153	<0.0019	<0.00138	<0.00145
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00136	<0.00173	<0.00146	<0.00181	<0.00143	<0.00194	<0.00136	<0.00129	<0.00182	<0.00165	<0.00129	<0.00213	<0.0014	<0.0129	<0.00155	<0.00161	<0.00138	<0.00143	<0.00168	<0.00167	<0.00208	<0.00151	<0.00159
Trichloroethene	1.8E+01	6.1E+00	—	<0.000697	<0.000888	**0.0021**	**0.00782**	**0.00646**	<0.000994	<0.000697	<0.000659	<0.000932	<0.000846	<0.000661	<0.00109	<0.000715	<0.0662	<0.000796	<0.000827	<0.000706	<0.000731	<0.000859	<0.000856	<0.00107	<0.000773	<0.000812
Trichlorofluoromethane	NS	NS	3.5E+05	<0.000986	<0.00126	<0.00106	<0.00131	<0.00104	<0.00141	<0.000987	<0.000933 R	<0.00132	<0.0012	<0.000936	<0.00154 J4R	<0.00101	<0.00938	<0.00113	<0.00117	<0.001	<0.00104	<0.00122	<0.00121	<0.00151	<0.00109	<0.00115
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00138	<0.00176	<0.00148	<0.00184	<0.00146	<0.00197	<0.00138	<0.00131	<0.00185	<0.00168	<0.00131	<0.00216	<0.00142	<0.0132	<0.00158	<0.00164	<0.0014	<0.00145	<0.00171	<0.0017	<0.00212	<0.00154 J3	<0.00161 J3
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00105	<0.00134	<0.00113	<0.00139	<0.0011	<0.0015	<0.00105	<0.000993	<0.0014	<0.00127	<0.000996	<0.00165	<0.00108	<0.00998	<0.0012	**0.0638**	<0.00106	<0.0011	<0.00129	<0.00129	**0.29**	<0.00116	<0.00122

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-E1-1	G-E2-1	G-E2-1	G-E2-1	G-E3-1	G-E3-1	G-E3-1	G-F1-1	G-F1-1	G-F1-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F3-1	G-F3-1	G-F3-1	G-G1-1	G-G1-1	G-G1-1	G-G2-1	G-G2-1	G-G2-1	G-G2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00231	<0.00125	<0.00122	<0.00125	<0.00137	<0.00138	<0.0011	<0.00164	<0.00164	<0.00163	<0.0012	<0.00129	<0.00572	<0.0016	<0.00702	<0.00779	<0.00164	<0.00115	<0.00209	<0.00157	<0.00162	<0.0139	<0.00321
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00225	<0.00121	<0.00119	<0.00122	<0.00133	<0.00134	<0.00107	<0.0016	<0.00159	<0.00159	**2.6**	**0.422**	**0.19**	<0.00156	<0.00684	<0.0076	<0.00159	<0.00112	<0.00204	<0.00153	<0.00157	<0.0135	<0.00313
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00169	<0.000914	<0.000895	<0.000916	<0.001	<0.00101	<0.000809	<0.0012	<0.0012	<0.0012	<0.00088	<0.000948	<0.00418	<0.00117	<0.00515	<0.00572	<0.0012	<0.000846	<0.00153	<0.00115	<0.00118	<0.0102	<0.00235
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.00146	<0.000786	<0.000768	<0.000786	<0.000861	<0.000866	<0.000695	<0.00103	<0.00103	<0.00103	<0.000756	<0.000815	<0.0036	<0.00101	<0.00443	<0.00491	<0.00103	<0.000726	<0.00132	<0.000988	<0.00102	<0.00874	<0.00201
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00184	<0.000992	<0.000971	<0.000993	<0.00109	<0.00109	<0.000878	<0.0013	<0.0013	<0.0013	<0.000955	<0.00103	<0.00455	<0.00127	<0.00559	<0.0062	<0.0013	<0.000917	<0.00166	<0.00125	<0.00128	<0.011	<0.00255
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.0012	<0.000646	<0.000632	<0.000647	<0.000708	<0.000712	<0.000572	<0.00085	<0.000848	<0.000845	**1.7**	**0.351**	**0.124**	<0.00083	<0.00364	<0.00405	<0.000848	<0.000597	<0.00108	<0.000813	<0.000837	<0.00719	<0.00166
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.00148	<0.000797	<0.00078	<0.000798	<0.000874	<0.000879	<0.000706	<0.00105	<0.00105	<0.00104	**0.161**	**0.0654**	**0.0171**	<0.00102	<0.00449	<0.00499	<0.00105	<0.000737	<0.00134	<0.001	<0.00103	<0.00887	<0.00205
1,1-Dichloropropene	NS	NS	NS	<0.00198	<0.00106	<0.00104	<0.00107	<0.00117	<0.00117	<0.000942	<0.0014	<0.0014	<0.00139	<0.00102	<0.0011	<0.00487	<0.00137	<0.006	<0.00665	<0.0014	<0.000984	<0.00178	<0.00134	<0.00138	<0.0118	<0.00274
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.0179	<0.00964	<0.00943	<0.00966	<0.0106	<0.0106	<0.00853	<0.0127	<0.0127	<0.0126	<0.00928	<0.01	<0.0442	<0.0124	<0.0543	<0.0604	<0.0127	<0.00892	<0.0162	<0.0121	<0.0125	<0.107	<0.0249
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00396	<0.00213	<0.00209	<0.00213	<0.00234	<0.00235	<0.00189	<0.0028	<0.0028	<0.00279	<0.00205	<0.00221	<0.00975	<0.00274	<0.012	<0.0133	<0.0028	<0.00197	<0.00358	<0.00268	<0.00276	<0.0238	<0.00548
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00386	<0.00208	<0.00203	<0.00208	**0.00975**	<0.00229	<0.00184	<0.00273	<0.00273	<0.00272	**0.901**	**0.621**	**0.617**	**0.766**	**0.0813**	**0.0942**	**0.0894**	<0.00192	**0.0445**	<0.00262	<0.00269	**2.05**	**0.235**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.0107	<0.00579	<0.00566	<0.0058	<0.00634	<0.00638	<0.00512	<0.00761	<0.0076	<0.00757	<0.00557	<0.006	<0.0265	<0.00744	<0.0326	<0.0362	<0.0076	<0.00535	<0.0097	<0.00728	<0.0075	<0.0644	<0.0149
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.0.00386 J4R	<0.00208	<0.00203	<0.00208	**0.0209**	<0.00229	<0.00184	<0.00273	<0.00273	<0.00272	**2.46**	**2.7**	**1.28**	**0.387**	**0.0921**	**0.0886**	**0.192**	<0.00192	**0.0272**	<0.00262	<0.00269	**3.16**	**0.333**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00952	<0.00513	<0.00502	<0.00514	<0.00562	<0.00566	<0.00454	<0.00675	<0.00673	<0.00671	<0.00494	<0.00532	<0.0235	<0.00659	<0.0289	<0.032	<0.00673	<0.00475	<0.0086	<0.00646	<0.00665	<0.0571	<0.0132
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.00158	<0.000853	<0.000834	<0.000854	<0.000934	<0.00094	<0.000754	<0.00112	<0.00112	<0.00112	<0.00082	<0.000884	<0.0039	<0.0011	<0.0048	<0.00532	<0.00112	<0.000788	<0.00143	<0.00107	<0.0011	<0.00947	<0.0022
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.00104	<0.000559	<0.000547	<0.00056	<0.000613	<0.000617	<0.000495	<0.000735	<0.000734	<0.000731	<0.000538	<0.00058	<0.00256	<0.000718	<0.00315	<0.0035	<0.000734	<0.000517	<0.000938	**0.0771**	<0.000724	<0.00622	<0.00144
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00158	<0.000854	<0.000835	<0.000855	<0.000936	<0.000942	<0.000756	<0.00112	<0.00112	<0.00112	<0.000822	<0.000886	<0.0039	<0.0011	<0.0048	<0.00532	<0.00112	<0.00079	<0.00143	<0.00107	<0.00111	<0.00949	<0.0022
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00346	<0.00187	<0.00183	<0.00187	<0.00205	<0.00206	<0.00165	<0.00246	<0.00245	<0.00244	<0.0018	<0.00194	<0.00855	<0.0024	<0.0105	<0.0117	<0.00245	<0.00173	<0.00314	<0.00235	<0.00242	<0.0209	<0.0048
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00488 J4R	<0.00263	<0.00257	<0.00263	<0.00288	<0.0029	<0.00233	<0.00346	<0.00345	<0.00344	**1.13**	**1.34**	**0.384**	**0.102**	**0.0521**	**0.0574**	**0.0929**	<0.00243	**0.0142**	<0.00331	<0.00341	**1.39**	**0.176**
1,3-Dichlorobenzene	NS	NS	NS	<0.00146	<0.000789	<0.000772	<0.00079	<0.000865	<0.000871	<0.000699	<0.00104	<0.00104	<0.00103	<0.00076	<0.000819	<0.00361	<0.00101	<0.00444	<0.00494	<0.00104	<0.00073	<0.00132	<0.000993	<0.00102	<0.00878	<0.00203
1,3-Dichloropropane	NS	NS	2.3E+04	<0.00122	<0.000659	<0.000645	<0.00066	<0.000722	<0.000727	<0.000583	<0.000867	<0.000865	<0.000862	<0.000634	<0.000684	<0.00301	<0.000847	<0.0037	<0.00411	<0.000865	<0.00061	<0.00111	<0.000829	<0.000854	<0.00733	<0.00169
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.0017	<0.000921	<0.000901	<0.000922	<0.00101	<0.00102	<0.000815	<0.00121	<0.00121	<0.0012	<0.000886	<0.000955	<0.00421	<0.00118	<0.00518	<0.00575	<0.00121	<0.000852	<0.00154	**0.0202**	<0.00119	<0.0102	<0.00237
2,2-Dichloropropane	NS	NS	NS	<0.00336	<0.00182	<0.00178	<0.00182	<0.00199	<0.002	<0.00161	<0.00239	<0.00238	<0.00238	<0.00175	<0.00188	<0.00832	<0.00233	<0.0102 J3	<0.0113 J3	<0.00238 J3	<0.00168	<0.00304	<0.00228	<0.00235	<0.0201	<0.00467
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.155	<0.0836	<0.0817	<0.0837	<0.0916	<0.0921	<0.0739	<0.11	<0.11	<0.109	<0.0804	<0.0866	<0.383	<0.107	<0.471	<0.522	<0.11	<0.0773	<0.14	<0.105	<0.108	<0.929	<0.215
2-Chlorotoluene	NS	NS	2.3E+04	<0.00211	<0.00114	<0.00111	<0.00114	<0.00125	<0.00125	<0.00101	<0.0015	<0.00149	<0.00149	<0.0011	<0.00118	<0.0052	<0.00146	<0.00641	<0.00711	<0.00149	<0.00105	<0.0019	**0.0416**	<0.00147	**0.514**	**0.0555**
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0178**	**0.0168**	**0.0167**	**0.0165**	**0.0166**	**0.0166**	**0.0165**	**0.0166**	**0.0164**	**0.0166**	**0.018**	**0.0202**	**0.0411 J1**	**0.021**	**0.0179**	**0.0178**	**0.0156**	**0.0172**	**0.0175**	**0.0179**	**0.0172**	**0.0177**	**0.0162**
4-Chlorotoluene	NS	NS	2.3E+04	<0.0011	<0.000592	<0.000579	<0.000593	<0.000649	<0.000653	<0.000524	<0.000779	<0.000777	<0.000775	<0.00057	<0.000614	<0.0027	<0.00076	<0.00333	<0.0037	<0.000777	<0.000548	<0.000993	<0.000745	<0.000767	**0.503**	<0.00152
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00556	<0.003	<0.00293	<0.003	<0.00329	<0.00331	<0.00265	<0.00395	<0.00394	<0.00392	<0.00289	<0.00311	<0.0137	<0.00385	<0.0169	<0.0187	<0.00394	<0.00277	<0.00502	<0.00377	<0.00389	**0.578**	<0.00771
Acetone	2.7E+05	6.7E+05	—	**0.156**	<0.048	<0.047	<0.0481	<0.0526	<0.053	<0.0425	<0.0632	<0.063	<0.0628	<0.0462	<0.0498	<0.219	<0.0617	<0.27	<0.3	<0.063	<0.0444	<0.0805	<0.0604	<0.0622	<0.563	<0.123
Acrylonitrile	NS	NS	1.1E+00	<0.00881	<0.00475	<0.00465	<0.00476	<0.00521	<0.00524	<0.0042	<0.00625	<0.00623	<0.00621	<0.00457	<0.00493	<0.0218	<0.0061	<0.0267	<0.0297	<0.00623	<0.00439	<0.00797	<0.00598	<0.00615	<0.0529	<0.0122
Benzene	3.3E+01	1.4E+00	—	<0.00114	<0.000614	<0.000601	<0.000615	<0.000673	**0.00276**	<0.000544	<0.000808	<0.000806	<0.000804	**0.966**	**0.49**	**0.152**	**0.0147**	**0.0216**	**0.0602**	**0.102**	<0.000568	**0.00232**	<0.000773	**0.01**	**0.0699**	**0.0056**
Bromobenzene	NS	NS	1.8E+03	<0.0022	<0.00118	<0.00116	<0.00119	<0.0013	<0.00131	<0.00105	<0.00156	<0.00155	<0.00155	<0.00114	<0.00123	<0.00542	<0.00152	<0.00667	<0.0074	<0.00155	<0.0011	<0.00198	<0.00149	<0.00153	<0.0132	<0.00304
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00177	<0.000954	<0.000933	<0.000955	<0.00105	<0.00105	<0.000844	<0.00125	<0.00125	<0.00125	<0.000918	<0.000989	<0.00437	<0.00123	<0.00538	<0.00597	<0.00125	<0.000882	<0.0016	<0.0012	<0.00124	<0.0106	<0.00245
Bromoform	1.2E+03	8.0E+01	—	<0.00286	<0.00154	<0.00151	<0.00154	<0.00169	<0.0017	<0.00136	<0.00202	<0.00202	<0.00201	<0.00148	<0.0016	<0.00705	<0.00198	<0.00867	<0.00962	<0.00202	<0.00142	<0.00259	<0.00194	<0.00199	<0.0171	<0.00396
Bromomethane	2.9E+01	3.0E+01	—	<0.0048	<0.00259	<0.00254	<0.0026	<0.00284	<0.00286	<0.00229	<0.00341	<0.0034	<0.00339	<0.00249	<0.00269	<0.0119	<0.00333	<0.0146	<0.0162	<0.0034	<0.0024	<0.00436	<0.00326	<0.00336	<0.0289	<0.00666
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00219	<0.00118	<0.00116	<0.00118	<0.00129	<0.0013	<0.00105	<0.00155	<0.00155	<0.00155	<0.00114	<0.00123	<0.00541	<0.00152	<0.00666	<0.00738	<0.00155	<0.00109	<0.00198	<0.00149	<0.00153	<0.0131	<0.00304
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000512	<0.000276	<0.00027	<0.000277	<0.000303	<0.000305	<0.000245	<0.000363	<0.000362	<0.000361	<0.000266	<0.000287	<0.00126	<0.000355	<0.00156	<0.00172	<0.000363	<0.000256	<0.000464	<0.000348	<0.000358	<0.00307	<0.00071
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.0015	<0.000805	<0.000788	<0.000806	<0.000882	<0.000888	<0.000713	<0.00106	<0.00106	<0.00105	<0.000775	<0.000835	<0.00368	<0.00103	<0.00454	<0.00504	<0.00106	<0.000745	<0.00135	<0.00101	<0.00104	<0.00896	<0.00206
Chloroethane	5.9E+04	5.9E+04	—	<0.00414	<0.00224	<0.00219	<0.00224	<0.00245	<0.00247	<0.00198	<0.00294	<0.00293	<0.00293	**18.5**	**12.6**	**1.92**	**0.26**	<0.0126	<0.014	<0.00293	<0.00207	<0.00375	<0.00281	<0.0029	<0.0249	<0.00575
Chloroform	3.4E+01	1.4E+00	—	<0.00252	<0.00136	<0.00133	<0.00136	<0.00149	<0.00149	<0.0012	<0.00178	<0.00178	<0.00177	<0.0013	<0.00141	<0.0062	<0.00174	<0.00764	<0.00847	<0.00178	<0.00125	<0.00226	<0.00171	<0.00176	<0.0151	<0.00348
Chloromethane	4.7E+02	4.7E+02	—	<0.0106	<0.00572	<0.0056	<0.00573	<0.00627	<0.00631	<0.00506	<0.00753	<0.00751	<0.00749	<0.00551	<0.00594	<0.0262	<0.00735	<0.0323	<0.0358	<0.00751	<0.00529	<0.00961	<0.0072	<0.00741	<0.0637	<0.0147
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.00179	<0.000966	<0.000945	<0.000967	<0.00106	<0.00106	<0.000855	<0.00127	<0.00127	<0.00126	**0.00841**	<0.001	<0.00442	<0.00124	**0.0754**	**0.209**	**0.0939**	<0.000893	<0.00162	<0.00122	<0.00125	**0.0704**	**0.0164**
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00185	<0.000996	<0.000974	<0.000997	<0.00109	<0.0011	<0.000881	<0.00131	<0.00131	<0.0013	<0.000958	<0.00103	<0.00456	<0.00128	<0.00561	<0.00622	<0.00131	<0.000921	<0.00167	<0.00125	<0.00129	<0.0111	<0.00255
Dibromomethane	NS	NS	9.9E+01	<0.00184	<0.000987	<0.000965	<0.000988	<0.00108	<0.00109	<0.000873	<0.0013	<0.00129	<0.00129	<0.00095	<0.00102	<0.00452	<0.00127	<0.00556	<0.00617	<0.00129	<0.000913	<0.00166	<0.00124	<0.00128	<0.011	<0.00254
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00392	<0.00212	<0.00207	<0.00212	<0.00232	<0.00234	<0.00187	<0.00279	<0.00278	<0.00277	<0.00204	<0.0022	<0.00969	<0.00272	<0.0119	<0.0133	<0.00278	<0.00196	<0.00356	<0.00267	<0.00274	<0.0236	<0.00545
Di-isopropyl ether	NS	NS	9.4E+03	<0.001	<0.000539	<0.000528	<0.00054	<0.000591	<0.000595	<0.000477	<0.000709	<0.000708	<0.000706	<0.000519	<0.000559	<0.00247	<0.000693	<0.00303	<0.00337	<0.000708	<0.000499	<0.000906	<0.000679	<0.000699	<0.006	<0.00139
Ethylbenzene	5.4E+02	2.6E+01	—	<0.0018	<0.00097	<0.000949	<0.000971	<0.00106	<0.00107	<0.000858	<0.00128	<0.00127	<0.00127	**2.25**	**5.03**	**0.503**	**0.248**	**0.0272**	**0.0619**	**0.0948**	<0.000897	<0.00163	<0.00122	<0.00126	**0.346**	**0.0218**
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.0146	<0.00789	<0.00772	<0.0079	<0.00865	<0.00871	<0.00699	<0.0104	<0.0104	<0.0103	<0.0076	<0.008819	<0.0361	<0.0101	<0.0444	<0.0494	<0.0104	<0.0073	<0.0132	<0.00993	<0.0102	<0.0878	<0.0203
Isopropylbenzene	NS	NS	NS	<0.00104	<0.000559	<0.000547	<0.00056	<0.000613	<0.000617	<0.000495	<0.000735	<0.000734	<0.000731	**0.567**	**0.632**	**0.775**	**0.33**	**0.02**	**0.0834**	**0.0304**	<0.000517	**0.128**	**0.0566**	<0.000724	**0.305**	**0.0238**
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000854	<0.000461	<0.000451	<0.000461	<0.000505	<0.000508	<0.000408	<0.000606	<0.000604	<0.000602	<0.000443	<0.000478	<0.00211	<0.000591	<0.00259	<0.00289	<0.000604	<0.000426	**0.00441**	<0.000579	<0.000596	<0.00512	<0.00118
Methylene Chloride	4.9E+02	2.5E+01	—	<0.0162	<0.00874	<0.00855	<0.00875	<0.00957	<0.00963	<0.00773	<0.0115	<0.0115	<0.0114	<0.00841	<0.00906	<0.0401	<0.0112	<0.0492	<0.0546	<0.0115	<0.00808	<0.0146	<0.011	<0.0113	<0.103	<0.0225
Naphthalene	4.0E+02	1.7E+01	—	<0.0119	**0.0167**	<0.00628	<0.00643	<0.00704	<0.00708	<0.00568	<0.00844	<0.00842	<0.0084	**0.967**	**0.0823**	**0.294**	**0.357**	**0.0936**	**0.138**	**0.0546**	**0.0173**	**0.0293**	<0.00808	<0.00832	**7.02**	**0.775**
n-Butylbenzene	NS	NS	5.8E+04	<0.0129	<0.00691	<0.00676	<0.00692	<0.00757	<0.00762	<0.00611	<0.00908	<0.00906	<0.00904	**0.0843**	**0.184**	**0.338**	**0.179**	<0.0389	<0.0431	<0.00906	<0.00639	**0.0755**	**0.23**	<0.00895	**2.38**	<0.0178
n-Propylbenzene	NS	NS	2.4E+04	<0.00232	<0.00125	<0.00122	<0.00125	<0.00137	<0.00138	<0.00111	<0.00164	<0.00164	<0.00164	**0.928**	**2.09**	**2.12**	**1.12**	<0.00703	**0.0564**	**0.0445**	<0.00116	<0.00209	**0.0444**	<0.00162	**0.307**	**0.0303**
p-Isopropyltoluene	NS	NS	NS	<0.00622	<0.00336	<0.00328	<0.00336	<0.00368	<0.0037	<0.00297	<0.00441	<0.0044	<0.00439	**0.107**	**0.0929**	**0.118**	**0.0542**	<0.0189	<0.0209	**0.0156**	<0.0031	**0.0182**	<0.00422	<0.00435	**0.633**	**0.0802**
sec-Butylbenzene	NS	NS	1.2E+05	<0.00703	<0.00379	<0.00371	<0.00379	<0.00415	<0.00418	<0.00335	<0.00498	<0.00497	<0.00496	**0.13**	**0.206**	**0.442**	**0.163**	<0.0213	<0.0237	<0.00497	<0.0035	<0.00635	**0.127**	<0.00491	**0.236**	<0.00974
Styrene	2.5E+04	3.3E+04	—	<0.000558	<0.000301	<0.000295	<0.000302	<0.00033	<0.000332	<0.000267	<0.000396	<0.000395	<0.000394	<0.00029	<0.000312	<0.00138	<0.000387	<0.0017	<0.00189	<0.000395	<0.000279	<0.000506	<0.000379	<0.00039	<0.00335	<0.000775
tert-Butylbenzene	NS	NS	1.2E+05	<0.00476	<0.00257	<0.00251	<0.00257	<0.00281	<0.00283	<0.00227	<0.00337	<0.00337	<0.00336	**0.0115**	<0.00266	**0.243**	**0.0204**	<0.0144	<0.016	<0.00337	<0.00237	<0.0043	<0.00323	<0.00332	<0.0285	<0.0066
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00219	<0.00118	<0.00115	<0.00118	<0.00129	<0.0013	<0.00104	**0.0715**	**0.0288**	<0.00154	<0.00113	<0.00122	<0.00539	<0.00151	**0.101**	**0.068**	<0.00155	**0.00937**	**0.0628**	<0.00148	<0.00153	**0.115**	**0.00911**
Toluene	4.7E+03	5.3E+03	—	<0.00318	<0.00171	<0.00167	<0.00171	<0.00187	<0.00189	<0.00151	<0.00225	<0.00224	<0.00224	**0.429**	**0.0937**	**0.148**	<0.0022	**0.0648**	**0.131**	**0.185**	<0.00158	<0.00287	<0.00215	<0.00222	**0.534**	**0.0352**
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00254	<0.00137	<0.00134	<0.00137	<0.0015	<0.00151	<0.00121	<0.0018	<0.0018	<0.00179	<0.00132	<0.00142	<0.00626	<0.00176	<0.00771	<0.00856	<0.0018	<0.00127	<0.0023	<0.00172	<0.00177	<0.0152	<0.00352
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00278	<0.0015	<0.00147	<0.0015	<0.00164	<0.00165	<0.00133	<0.00197	<0.00197	<0.00196	<0.00144	<0.00156	<0.00687	<0.00193	<0.00844	<0.00937	<0.00197	<0.00139	<0.00251	<0.00189	<0.00194	<0.0167	<0.00386
Trichloroethene	1.8E+01	6.1E+00	—	<0.00143	<0.000768	<0.000752	<0.000769	<0.000842	<0.000847	<0.00068	<0.00101	**0.00939**	<0.00101	<0.000739	<0.000797	<0.00352	<0.000987	**0.0721**	**0.177**	**0.00615**	<0.000711	**0.00656**	<0.000967	**0.0182**	**1.75**	**0.112**
Trichlorofluoromethane	NS	NS	3.5E+05	<0.00202	<0.00109	<0.00106	<0.00109	<0.00119	<0.0012	<0.000963	<0.00143	<0.00143	<0.00142	<0.00105	<0.00113	<0.00499	<0.0014	<0.00613	<0.0068	<0.00143	<0.00101	<0.00182	<0.00137	<0.00141	<0.0121	<0.00279
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00284	<0.00153	<0.00149	<0.00153	<0.0167	<0.00168	<0.00135	<0.00201	<0.002	<0.002	**0.101**	**0.00884**	<0.00699	<0.00196	<0.00859	**0.107**	**0.0338**	<0.00141	<0.00257	<0.00192	<0.00198	<0.017	<0.00392
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00214	<0.00116	<0.00113	<0.00116	**0.0105**	<0.00128	<0.00102	<0.00152	<0.00152	<0.00151	**6.8**	**3.36**	**1.74**	**0.0668**	**0.211**	**0.362**	**0.19**	<0.00107	**0.0194**	**0.0245**	<0.0015	**2.12**	**0.163**

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	G-G2-1	G-G3-1	G-G3-1	G-G3-1	G-G4-1	G-G4-1	G-G4-1	G-H2-1	G-H2-1	G-H2-1	G-H2-1	G-H3-1	G-H3-1	G-H3-1	G-H3-1	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6-12.5	GW-6-17.5	P-01
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	2.0	3.0	5.0	2.0	3.0	5.0	2.0	3.0	4.0	5.0	2.0	3.0	4.0	5.0	13.5	14	13.0	13.5	14.5	12.5	17.5	16.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/21/2024	5/23/2024	5/23/2024	5/23/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00155	<0.00141	<0.00142	<0.00157	<0.0018	<0.00157	<0.00147	<0.00134	<0.00127	<0.00129	<0.00151	<0.00235	<0.00147	<0.00145	<0.0017	<0.00133	<0.00116	<0.00151	<0.00153	<0.00147	<0.0266	<0.00132	<0.00145
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.00151	<0.00137	<0.00138	<0.00153	<0.00176	<0.00153	<0.00143	<0.0013	**0.033**	<0.00126	<0.00147	**0.0717**	**0.0419**	<0.00141	<0.00166	<0.0013	<0.00113	<0.00147	<0.00149	<0.00143	<0.0259	<0.00128	<0.00141
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.00114	<0.00103	<0.00104	<0.00115	<0.00132	<0.00115	<0.00108	<0.000981	<0.000932	<0.000949	<0.00111	<0.00172	<0.00108	<0.00106	<0.00125	<0.000976	<0.000853	<0.00111	<0.00112	<0.00108	<0.0195	<0.000965	<0.00106
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000976	<0.000889	<0.000893	<0.000988	<0.00113	<0.000986	<0.000924	<0.000842	<0.000801	<0.000815	<0.000954	<0.00147	<0.000927	<0.00091	<0.00107	<0.000838	<0.000732	<0.000952	<0.000963	<0.000924	<0.0167	<0.000829	<0.000911
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.00123	<0.00112	<0.00113	<0.00125	<0.00143	<0.00124	<0.00117	<0.00106 J3	<0.00101 J3	<0.00103	<0.00121 J3	<0.00187	<0.00117	<0.00115	<0.00135	<0.00106	<0.000925	<0.0012	<0.00122	<0.00117	<0.0212	<0.00105	<0.00115
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.000802	<0.000731	<0.000734	<0.000812	<0.000932	<0.000811	<0.00076	**0.00905**	<0.000659	<0.00067	<0.000784	**0.064**	**0.118**	<0.000749	<0.000881	<0.00069	<0.000602	<0.000783	<0.000792	<0.00076	<0.0138	<0.000682	<0.000749
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.00099	<0.000902	<0.000906	<0.001	<0.00115	<0.001	<0.000937	<0.000855	<0.000813	<0.000827	<0.000968	<0.00149	<0.000941	<0.000924	<0.00109	<0.000851	<0.000743	**0.0274**	<0.000977	<0.000938	<0.017	<0.000841	<0.000925
1,1-Dichloropropene	NS	NS	NS	<0.00132	<0.0012	<0.00121	<0.00134	<0.00153	<0.00134	<0.00125	<0.00114	<0.00109	<0.0011	<0.00129	<0.002	<0.00126	<0.00123	<0.00145	<0.00114	<0.000992	<0.00129	<0.0013	<0.00125	<0.0227	<0.00112	<0.00123
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.012	<0.0109	<0.011	<0.0121	<0.0139	<0.0121	<0.0113	<0.0103	<0.00983	<0.01	<0.0117	<0.0182	<0.0114	<0.0112	<0.0131	<0.0103	<0.00899	<0.0117	<0.0118	<0.0113	<0.206	<0.0102	<0.0112
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00265	<0.00241	<0.00242	<0.00268	<0.00307	<0.00267	<0.00251	<0.00229 J4	<0.00217 J4	<0.00221	<0.00259 J4	<0.004	<0.00251	<0.00247	<0.00291	<0.00228	<0.00199	<0.00258	<0.00261	<0.00251	<0.0454	<0.00225	<0.00247
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	**0.185**	**0.0213**	<0.00236	<0.00261	**0.0116**	<0.0026	<0.00244	**0.0231**	**0.0115**	<0.00216	<0.00252	<0.0039	<0.00245	<0.00241	<0.00283	<0.00222	<0.00194	<0.00252	<0.00255	<0.00245	<0.0443	<0.00219	**1.06**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00719	<0.00655	<0.00658	<0.00728	<0.00835	<0.00726	<0.00681	<0.00621	<0.0059	<0.00601 J3	<0.00703	<0.0109	<0.00683	<0.00671 J3	<0.00789	<0.00618	<0.0054	<0.00701	<0.00709	<0.00681	<0.123	<0.00611	<0.00672
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	**0.265**	**0.0341**	**0.00972**	<0.00261	**0.0295**	**0.00975**	<0.00244	**0.0505**	**0.0182**	<0.00216	<0.00252	<0.0039	<0.00245	<0.00241	<0.00283	<0.00222	<0.00194 J4R	<0.00252	<0.00255	<0.00245	<0.0443	<0.00219	**0.0197**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00637	<0.00581	<0.00583	<0.00645	<0.0074	<0.00644	<0.00603	<0.0055	<0.00523	<0.00532	<0.00623	<0.00964	<0.00605	<0.00595	<0.00699	<0.00548	<0.00478	<0.00622	<0.00629	<0.00604	<0.109 '	<0.00542	<0.00595
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.00106	<0.000965	<0.000969	<0.00107	<0.00123	<0.00107	<0.001	<0.000914	<0.000869	<0.000885	<0.00104	<0.00161	<0.00101	<0.000988	<0.00116	<0.00091	<0.000795	<0.00103	<0.00104	<0.001	<0.0182	<0.0009	<0.000989
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000695	<0.000633	<0.000636	<0.000703	<0.000807	<0.000702	<0.000657	**0.0193**	<0.00057	<0.00058	<0.000679	<0.00105	<0.00066	<0.000648	<0.000762	<0.000597	<0.000521	<0.000678	<0.000685	<0.000658	<0.0119	<0.00059	<0.000649
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.00106	<0.000966	<0.000971	<0.00107	<0.00123	<0.00107	<0.001	<0.000916	<0.000871	<0.000886	<0.00104	<0.00161	<0.00101	<0.00099	<0.00116	<0.000911	<0.000796	<0.00103	<0.00105	<0.001	<0.0182	<0.000901	<0.000991
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00232	<0.00211	<0.00212	<0.00235	<0.0027	<0.00235	<0.0022	<0.002	<0.0019	<0.00194	<0.00227	<0.00351	<0.0022	<0.00217	<0.00255	<0.00199	<0.00174	<0.00226	<0.00229	<0.0022 J4R	<0.0398	<0.00197	<0.00217
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	**0.126**	<0.00298	<0.00299	<0.00331	**0.0107**	<0.0033	<0.0309	**0.00902**	**0.00773**	<0.00273	<0.0032	<0.00494	<0.0031	<0.03305	<0.00359	<0.00281	<0.00245 J4R	<0.00319	<0.00322	<0.0031	<0.0561	<0.00278	**0.29**
1,3-Dichlorobenzene	NS	NS	NS	<0.000981	<0.000893	<0.000897	<0.000993	<0.00114	<0.000991	<0.000928	<0.000847	<0.000805	<0.000819	<0.000959	<0.00148	<0.000931	<0.000915	<0.00108	<0.000843	<0.000736	<0.000956	<0.000967	<0.000929	<0.0168	<0.000833	<0.000916
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000819	<0.000746	<0.000749	<0.000829	<0.00095	<0.000827	<0.000775	<0.000707	<0.000672	<0.000684	<0.0008	<0.00124	<0.000778	<0.000764	<0.000898	<0.000704	<0.000615	<0.000799	<0.000808	<0.000776	<0.014	<0.000696	<0.000765
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.00114	<0.00104	<0.00105	<0.00116	<0.00133	<0.00116	<0.00108	<0.000988	<0.000939	<0.000956	<0.00112	<0.00173	<0.00109	<0.00107	<0.00126	<0.000983	<0.000859	<0.00112	<0.00113	<0.00108	<0.0196	<0.000972	<0.00107
2,2-Dichloropropane	NS	NS	NS	<0.00226	<0.00205	<0.00206	<0.00228	<0.00262	<0.00228	<0.00213	<0.00195	<0.00185	<0.00188	<0.0022	<0.00341	<0.00214	<0.0021	<0.00247	<0.00194	<0.00169	<0.0022	<0.00222	<0.00214	<0.0387	<0.00192	<0.00211
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.104	<0.0945	<0.095	<0.105	<0.12 J4	<0.105 J4	<0.0982 J4	<0.0896 J3	<0.0852 J3	<0.0867	<0.101 J3	<0.157	<0.0986	<0.0968	<0.114	<0.0892	<0.0779	<0.101	<0.102	<0.0983 J4R	<1.78 J4	<0.0882 J4	<0.0969 J4
2-Chlorotoluene	NS	NS	2.3E+04	<0.00141	<0.00129	<0.00129	<0.00143	<0.00164	<0.00142	<0.00134	<0.00122	<0.00116	<0.00118	<0.00138	<0.00214	<0.00134	<0.00132	<0.00155	<0.00121	<0.00106	<0.00138	<0.00139	<0.00134	<0.0243	<0.0012	<0.00132
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.018**	**0.0164**	**0.0161**	**0.0161**	**0.0158**	**0.0147**	**0.0158**	**0.0164**	**0.0162**	**0.0165**	**0.016**	**0.0161**	**0.0158**	**0.0164**	**0.017**	**0.0167**	**0.0162**	**0.0168**	**0.0167**	**0.0157**	**0.0176**	**0.0154**	**0.0243 J1**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000735	<0.00067	<0.000673	<0.000744	<0.000855	<0.000744	<0.000696	<0.000635	<0.000604	<0.000614	<0.000719	<0.00111	<0.000699	<0.000686	<0.000807	<0.000632	<0.000552	<0.000717	<0.000726	<0.000697	<0.0126	<0.000625	<0.000687
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00373	<0.00339	<0.00341	<0.00377	<0.00432	<0.00376	<0.00353	<0.00322	<0.00306	<0.00311	<0.00364	<0.00563	<0.00354	<0.00348	<0.00409	<0.0032	<0.0028	<0.00363	<0.00368	<0.00353	<0.0639	<0.00317	<0.00348
Acetone	2.7E+05	6.7E+05	—	<0.0597	<0.0543	<0.0546	<0.0604	<0.0693	<0.0603	<0.0565	<0.0515 J3J4	<0.049 J3J4	<0.0498 J3	<0.0583 J3J4	<0.0902	<0.0567	<0.0557 J3	<0.0655	<0.0513 J3	<0.0448	<0.0582 J4	<0.0588 J4	<0.0565 J4R	<1.02	<0.0507	<0.0557
Acrylonitrile	NS	NS	1.1E+00	<0.0059	<0.00537	<0.0054	<0.00597	<0.00685	<0.00596	<0.00558	<0.00509	<0.00484	<0.00493	<0.00577	<0.00892	<0.0056	<0.0055	<0.00647	<0.00507	<0.00443	<0.00575	<0.00582	<0.00559	<0.101	<0.00501	<0.00551
Benzene	3.3E+01	1.4E+00	—	**0.00454**	**0.00716**	**0.00245**	<0.000773	**0.00446**	**0.0234**	<0.000722	**0.0306**	**0.00287**	<0.000638	<0.000746	<0.00115	<0.000725	<0.000712	<0.000837	<0.000656	<0.000573	<0.000744	<0.000753	<0.000723	<0.0131	<0.000648	**0.426**
Bromobenzene	NS	NS	1.8E+03	<0.00147	<0.00134	<0.00135	<0.00149	<0.00171	<0.00149	<0.00139	<0.00127	<0.00121	<0.00123	<0.00144	<0.00222	<0.0014	<0.00137	<0.00161	<0.00126	<0.0011	<0.00143	<0.00145	<0.00139	<0.0252	<0.00125	<0.00137
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.00118	<0.00108	<0.00108	<0.0012	<0.00138	<0.0012	<0.00112	<0.00102	<0.000973	<0.00099	<0.00116	<0.00179	<0.00113	<0.00111	<0.0013	<0.00102	<0.000889	<0.00116	<0.00117	<0.00112	<0.0203	<0.00101	<0.00111
Bromoform	1.2E+03	8.0E+01	—	<0.00191	<0.00174	<0.00175	<0.00194	<0.00222	<0.00193	<0.00181	<0.00165	<0.00157	<0.0016	<0.00187	<0.00289	<0.00182	<0.00178	<0.0021	<0.00164	<0.00144	<0.00187	<0.00189	<0.00181	<0.0328	<0.00162	<0.00179
Bromomethane	2.9E+01	3.0E+01	—	<0.00322	<0.00293	<0.00295	<0.00326	<0.00373	<0.00325	<0.00305	<0.00278	<0.00264	<0.00269	<0.00315	<0.00487	<0.00306	<0.003	<0.00353	<0.00277 J3	<0.00242	<0.00314	<0.00318	<0.00305	<0.0553	<0.00274	<0.00301
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00147	<0.00134	<0.00134	<0.00149	<0.0017	<0.00148	<0.00139	<0.00127	<0.0012	<0.00123	<0.00143	<0.00222	<0.00139	<0.00137	<0.00161	<0.00126	<0.0011	<0.00143	<0.00145	<0.00139	<0.0252	<0.00125	<0.00137
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000343	<0.000313	<0.000314	<0.000347	<0.000398	<0.000346	<0.000325	<0.000296	<0.000282	<0.000287	<0.000336	<0.000519	<0.000326	<0.00032	<0.000377	<0.000295	<0.000258	<0.000335	<0.000339	<0.000325	<0.0589	<0.000292	<0.000321
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.001	<0.000911	<0.000915	<0.00101	<0.00116	<0.00101	<0.000947	<0.000864	<0.000821	<0.000836	<0.000978	<0.00151	<0.00095	<0.000933	<0.0011	<0.00086	<0.000751	<0.000976	<0.000987	<0.000947	<0.0171	<0.00085	<0.000934
Chloroethane	5.9E+04	5.9E+04	—	<0.00278	<0.00253	<0.00254	<0.00281	<0.00322	<0.00281	<0.00263	<0.0024	<0.00228	<0.00232	<0.00272	<0.0042	<0.00264	<0.00259	<0.00305	<0.00239	<0.00209	<0.00271	<0.00274	<0.00263	<0.0477	<0.00236	<0.00259
Chloroform	3.4E+01	1.4E+00	—	<0.00168	<0.00153	<0.00154	<0.0017	<0.00196	<0.00171	<0.00159	<0.00145	<0.00138	<0.00141	<0.00165	<0.00254	<0.0016	<0.00157	<0.00185	<0.00145	<0.00126	<0.00164	<0.00166	<0.00159	<0.0289	<0.00143	<0.00157
Chloromethane	4.7E+02	4.7E+02	—	<0.00711	<0.00647	<0.00651	<0.0072	<0.00825	<0.00718	<0.00673	<0.00614	<0.00584	<0.00594	<0.00695	<0.0107	<0.00675	<0.00663	<0.0078	<0.00611	<0.00534	<0.00693	<0.00701	<0.00673	<0.122	<0.00604	<0.00664
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	**0.0204**	<0.00109	<0.0011	<0.00121	<0.00139	<0.00121	<0.00114	**0.0049**	<0.000985	<0.001	<0.00117	<0.00182	<0.00114	<0.00112	<0.00132	<0.00103	<0.0009	<0.00117	<0.00118	<0.00114	<0.0206	<0.00102	<0.00112
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00124	<0.00113	<0.00113	<0.00125	<0.00144	<0.00125	<0.00117	<0.00107	<0.00102	<0.00103	<0.00121	<0.00187	<0.00118	<0.00115	<0.00136	<0.00106	<0.000929	<0.00121	<0.00122	<0.00117	<0.0212	<0.00105	<0.00116
Dibromomethane	NS	NS	9.9E+01	<0.00123	<0.00112	<0.00112	<0.00124	<0.00142	<0.00124	<0.00116	<0.00106	<0.00101	<0.00102	<0.0012	<0.00185	<0.00116	<0.00114	<0.00135	<0.00105	<0.00092	<0.0012	<0.00121	<0.00116	<0.021	<0.00104	<0.00114
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.00263	<0.0024	<0.00241	<0.00266	<0.00305	<0.00266	<0.00249	<0.00227	<0.00216	<0.0022	<0.00257	<0.00398	<0.0025	<0.00245	<0.00289	<0.00226 J3	<0.00197	<0.00257	<0.0026	<0.00249	<0.0452	<0.00224	<0.00246
Di-isopropyl ether	NS	NS	9.4E+03	<0.00067	<0.00061	<0.000613	<0.000678	<0.000777	<0.000677	<0.000634	<0.000579	<0.00055	<0.00056	<0.000655	<0.00101	<0.000636	<0.000625	<0.000735	<0.000576	<0.000503	<0.000654	<0.000661	<0.000635	<0.0115	<0.000569	<0.000626
Ethylbenzene	5.4E+02	2.6E+01	—	**0.0199**	**0.0147**	<0.0011	<0.00122	**0.00688**	**0.0434**	<0.00114	**0.0203**	<0.000989	<0.00101	<0.00118	<0.00182	<0.00114	<0.00112	<0.00132	<0.00104	<0.000904	<0.00117	<0.00119	<0.00114	<0.0206	<0.00102	**7.1**
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.00981	<0.00893	<0.00897	<0.00993	<0.0114	<0.00991	<0.00928	<0.00847	<0.00805	<0.00819	<0.00959	<0.0148	<0.00931	<0.00915	<0.0108	<0.00843 J3	<0.00736	<0.00956	<0.00967	<0.00929	<0.168	<0.00833	<0.00916
Isopropylbenzene	NS	NS	NS	**0.0227**	**0.0118**	**0.00612**	<0.000703	<0.000807	**0.0123**	<0.000657	**0.00368**	<0.00057	<0.00058	<0.000679	<0.00105	<0.00066	<0.000648	<0.000762	<0.000597	<0.000521	<0.000678	<0.000685	<0.000658	**0.142**	<0.00059	**1.13**
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000572	<0.000521	<0.000523	<0.000579	<0.000665	<0.000579	<0.000541	<0.000494	<0.00047	<0.000478	<0.000559	<0.000865	<0.000543	<0.000534	<0.000628	<0.000492	<0.000429	<0.000558	<0.000564	<0.000542	<0.00982	<0.000486	<0.000534
Methylene Chloride	4.9E+02	2.5E+01	—	<0.0109	<0.00988	<0.00993	<0.011	<0.0126	<0.011	<0.0103	<0.00937	<0.00891	<0.00907	<0.0106	<0.0164	<0.0103	<0.0101	<0.0119	<0.00933	<0.00815	<0.0106	<0.0107	<0.0103	<0.187	<0.00922	<0.0101
Naphthalene	4.0E+02	1.7E+01	—	**0.422**	<0.00726	<0.0073	<0.00807	**0.0524**	<0.00806	<0.00755	**0.0762**	**0.0286**	<0.00666 J3	<0.0078	<0.0121	<0.00758	<0.00744 J3	<0.00875	<0.00685	<0.00599	<0.00778	<0.00787	<0.00755	<0.137	<0.00678	**2.84**
n-Butylbenzene	NS	NS	5.8E+04	**0.275**	<0.00781	<0.00785	<0.00869	<0.00997	<0.00867	<0.00812	<0.00741	<0.00704	<0.00717	<0.00839	<0.013	<0.00801	<0.00942	<0.00737	<0.00644	<0.00837	<0.00846	<0.00813	**0.51**	<0.00729	**1.48**
n-Propylbenzene	NS	NS	2.4E+04	**0.0242**	**0.0134**	**0.00775**	<0.00157	<0.0018	**0.0349**	<0.00147	**0.0164**	<0.00127	<0.0013	<0.00152	<0.00235	<0.00147	<0.00145	<0.0017	<0.00133	<0.00117	<0.00151	<0.00153	<0.00147	**0.188**	<0.00132	**3.66**
p-Isopropyltoluene	NS	NS	NS	**0.0646**	<0.0038	<0.00381	<0.00422	<0.00484	<0.00422	<0.00394	**0.0164**	<0.00342	<0.00348	<0.00407	<0.0063	<0.00396	<0.00389	<0.00457	<0.00358	<0.00313	<0.00407	<0.00411	<0.00395	<0.0715	<0.00354	**0.313**
sec-Butylbenzene	NS	NS	1.2E+05	**0.0235**	<0.00429	<0.00431	<0.00476	<0.00546	<0.00475	<0.00446	<0.00406	<0.00386	<0.00393	<0.0046	<0.00712	<0.00447	<0.00439	<0.00516	<0.00404	<0.00353	<0.00459	<0.00464	<0.00446	**0.474**	<0.004	**0.693**
Styrene	2.5E+04	3.3E+04	—	<0.000374	<0.000341	<0.000342	<0.000379	<0.000435	<0.000379	<0.000354	<0.000323	<0.000307	<0.000313	<0.000366	<0.000566	<0.000356	<0.000349	<0.000411	<0.000322	<0.000281	<0.000365	<0.000369	<0.000355	<0.00642	<0.000318	<0.00035
tert-Butylbenzene	NS	NS	1.2E+05	<0.00319	<0.0029	<0.00292	<0.00323	<0.0037 J4	<0.00322 J4	<0.00302 J4	<0.00275	<0.00262	<0.00266	<0.00312	<0.00482	<0.00303	<0.00297	<0.0035	<0.00274	<0.00239	<0.00311	<0.00314	<0.00302	<0.0547 J4	<0.00271 J4	<0.00298 J4
Tetrachloroethene	3.3E+01	2.7E+00	—	**0.00994**	<0.00133	<0.00134	<0.00148	**0.018**	<0.00148	<0.00139	<0.00126	**0.0037**	<0.00122	<0.00143	<0.00221	**0.00425**	<0.00137	<0.00161	<0.00126	<0.0011	<0.00143	<0.00144	<0.00139	<0.0251	<0.00124	<0.00133
Toluene	4.7E+03	5.3E+03	—	**0.024**	<0.00194	<0.00194	<0.00215	**0.0248**	**0.067**	<0.00201	**0.0344**	**0.00975**	<0.00177	<0.00208	<0.00321	<0.00202	<0.00198	<0.00233	<0.00183	<0.00159	<0.00207	<0.0021	<0.00201	<0.0365	<0.00181	**0.0928**
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.0017	<0.00155	<0.00156	<0.00172	<0.00197	<0.00172	<0.00161	<0.00147	<0.0014	<0.00142	<0.00166	<0.00257	<0.00161	<0.00159	<0.00187	<0.00146	<0.00128	<0.00166	<0.00168	<0.00161	<0.0292	<0.00144	<0.00159
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00186	<0.0017	<0.0017	<0.00189	<0.00216	<0.00188	<0.00176	<0.00161	<0.00153	<0.00156	<0.00182	<0.00282	<0.00177	<0.00174	<0.00204	<0.0016	<0.0014	<0.00182	<0.00184	<0.00176	<0.032	<0.00158	<0.00174
Trichloroethene	1.8E+01	6.1E+00	—	**0.0866**	<0.000869	<0.000873	<0.000966	**0.00204**	<0.000964	**0.00334**	**0.00436**	<0.000783	<0.000797	<0.000933	**0.0831**	**0.145**	<0.000891	<0.00105	<0.00082	<0.000716	<0.000931	<0.000942	<0.000904	<0.0164	<0.000811	<0.000891
Trichlorofluoromethane	NS	NS	3.5E+05	<0.00135	<0.00123	<0.00124	<0.00137	<0.00157	<0.00137	<0.00128	<0.00117	<0.00111	<0.00113	<0.00132	<0.00204	<0.00128	<0.00126	<0.00148	<0.00116	<0.00101	<0.00132	<0.00133	<0.00128 J4R	<0.0231	<0.00115	<0.00126
Vinyl chloride	3.4E+00	1.5E-01	—	<0.0019	<0.00173	<0.00173	<0.00192	<0.00221	<0.00192	<0.00179	<0.00164	<0.00156	<0.00158	<0.00185	<0.00287	<0.0018	<0.00177	<0.00208	<0.00163 J3	<0.00142	<0.00185	<0.00187	<0.0018	<0.0325	<0.00161	<0.00177
Xylenes, Total	2.4E+03	2.5E+03	—	**0.137**	**0.0469**	**0.0099**	<0.00146	**0.0484**	**0.0447**	<0.00136	**0.0982**	**0.0239**	<0.0012	<0.00141	<0.00217	<0.00137	<0.00134	<0.00158	<0.00124	<0.00108	<0.0014	<0.00142	<0.00136	<0.0247	<0.00122	**0.333**

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	P-01	P-02	P-06	P-08	P-10	P-11-12.5	SVP-06-8	SVP-10-8	SVP-25-8	SVP-36-5	SVP-36-8	SVP-45-8	SVP-53-S	SVP-57-S	SVP-61-4	SVP-62-4	UC-A2-1	UC-A2-1	UC-A2-1	UC-A3-1	UC-A3-1	UC-A3-1	UC-B4-2
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	16.5	12.5	5.0	5.0	18.5	12.5	5.0	5.0	8.0	5.0	8.0	5.0	4.0	6.0	4.0	4.0	2.0	5.0	10.0	2.0	5.0	10.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/22/2024	5/24/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/28/2024	5/24/2024	5/24/2024	5/29/2024	5/29/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/23/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)																										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.114	<0.00154	<0.00112	<0.00149	<0.00137	<0.00129	<0.00154	<0.00155	<0.00154	<0.00162	<0.00163	<0.00133	<0.00155	<0.0167	<0.00138	<0.0018	<0.00116	<0.00164	<0.00138	<0.00135	<0.00169	<0.00146	<0.00139
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.111	<0.0015	<0.00109	<0.00145	<0.00133	<0.00126	<0.0015	<0.00151	<0.0015	<0.00158	<0.00158	<0.00129	<0.00151	<0.0162	<0.00134	<0.00176	<0.00113	<0.0016	<0.00134	<0.00131	<0.00164	<0.00142	**0.0141**
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.0838	<0.00113	<0.000821	<0.00109	<0.001	<0.000946	<0.00113	<0.00114	<0.00113	<0.00119	<0.00119	<0.000973	<0.00113	<0.0122	<0.00101	<0.00132	<0.000852	<0.0012	<0.00101	<0.000989	<0.00123	<0.00107	<0.00102
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.072	<0.00097	<0.000705	<0.000936	<0.00086	<0.000812	<0.000968	<0.000976	<0.00097	<0.00102	<0.00103	<0.000836	<0.000974	<0.0105	<0.000867	<0.00114	<0.000732	<0.00103	<0.000867	<0.00085	<0.00106	<0.000921	<0.000876
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.0909	<0.00122	<0.000891	<0.00118	<0.00109	<0.00103	<0.00122	<0.00123	<0.00123	<0.00129	<0.00129	<0.00106	<0.00123	<0.0133	<0.00109	<0.00143	<0.000924	<0.00131	<0.00109	<0.00107	<0.00134	<0.00116	<0.00111
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.0592	<0.000798	**0.0311**	<0.00077	<0.000707	<0.000668	<0.000796	<0.000803	<0.000798	<0.000841	<0.000843	<0.000687	<0.000801	<0.00866	<0.000713	<0.000935	<0.000602	<0.00085	<0.000713	<0.000699	<0.000872	<0.000757	**0.0725**
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.0731	<0.000984	<0.000716	<0.00095	<0.000873	<0.000825	<0.000982	<0.000991	<0.000985	<0.00104	<0.00104	<0.000848	<0.000989	<0.0107	<0.00088	<0.00116	<0.000743	<0.00105	<0.00088	<0.000862	<0.00108	<0.000934	<0.000889
1,1-Dichloropropene	NS	NS	NS	<0.0975	<0.00131	<0.000956	<0.00127	<0.00117	<0.0011	<0.00131	<0.00132	<0.00131	<0.00139	<0.00139	<0.00113	<0.00132	<0.0143	<0.00117	<0.00154	<0.000992	<0.0014	<0.00117	<0.00115	<0.00144	<0.00125	<0.00119
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.883	<0.0119	<0.00866	<0.0115	<0.0106	<0.00998	<0.0119	<0.012	<0.0119	<0.0126	<0.0126	<0.0103	<0.012	<0.129	<0.0106	<0.014	<0.00898	<0.0127	<0.0106	<0.0104	<0.013	<0.0113	<0.0108
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.196 '	<0.00263	<0.00191	<0.00254	<0.00233	<0.0022	<0.00263	<0.00265	<0.00263	<0.00277	<0.00278	<0.00227	<0.00264	<0.0285	<0.00235	<0.00309	<0.00199	<0.00281	<0.00235	<0.00231	<0.00287	<0.0025	<0.00238
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	**6.3**	<0.00257	<0.00187	<0.00248	<0.00228	<0.00215	<0.00256	<0.00258	<0.00257	**0.0288**	**0.0809**	**0.00797**	<0.00258	**1.37**	<0.00229	**0.0107**	<0.00194	<0.00274	<0.00229	<0.00225	<0.00281	<0.00244	**0.0484**
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.531	<0.00715	<0.0052	<0.0069	<0.00634	<0.00599	<0.00713	<0.0072	<0.00715	**0.12**	**0.0697**	<0.00616	<0.00718	<0.0775	<0.00639	<0.00838	<0.00539	<0.00762	<0.00639	<0.00626	<0.00781	<0.00678	<0.00646
1,2,4-Trimethylbenzene	NS	NS	1.8E+03	<0.19	<0.00257	<0.00187	<0.00248	<0.00228	<0.00215	<0.00256	<0.00258	<0.00257	<0.00271	<0.00271	**0.012**	<0.00258	**0.812**	<0.00229	**0.0176**	<0.00194	<0.00274	<0.00229	<0.00225	<0.00281	<0.00244	**0.105**
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.47 '	<0.00633	<0.00461	<0.00612	<0.00562	<0.00531	<0.00632	<0.00638	<0.00634	<0.00668	<0.0067	<0.00546	<0.00636	<0.0688 '	<0.00566	<0.00742	<0.00478	<0.00675	<0.00566	<0.00555	<0.00693	<0.00601	<0.00572
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.0781	<0.00105	<0.000766	<0.00102	<0.000933	<0.000882	<0.00105	<0.00106	<0.00105	<0.00111	<0.00111	<0.000907	<0.00106	<0.0114	<0.000941	<0.00124	<0.000794	<0.00112	<0.000941	<0.000922	<0.00115	<0.000999	<0.000951
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.0512	<0.00069	**0.00936**	**0.0168**	<0.000612	<0.000578	<0.000689	<0.0006 95	<0.000691	**0.39**	**0.275**	<0.000595	<0.000694	<0.00749	<0.000617	<0.00081	<0.000521	<0.000736	<0.000617	<0.000605	<0.000755	<0.000655	<0.000624
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.0782	<0.00105	<0.000767	<0.00102	<0.000935	<0.000883	<0.00105	<0.00106	<0.00105	<0.00111	<0.00111	<0.000909	<0.00106	<0.0114	<0.000942	<0.00124	<0.000795	<0.00112	<0.000942	<0.000924	<0.00115	<0.001	<0.000952
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.172	<0.00231	<0.00168	<0.00223	<0.00205	<0.00193	<0.0023	<0.00232	<0.00231	<0.00243	<0.00244	<0.00199	<0.00232	<0.025	<0.00206	<0.00271	<0.00174	<0.00246	<0.00206	<0.00202	<0.00252	<0.00219	<0.00208
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	**2.23**	<0.00325	<0.00236	<0.00314	<0.00288	<0.00272	<0.00324	<0.00327	<0.00325	<0.00342	<0.00343	<0.0028	<0.00326	**0.19**	<0.0029	<0.00381	<0.00245	<0.00346	<0.0029	<0.00285	<0.00355	<0.00308	**0.042**
1,3-Dichlorobenzene	NS	NS	NS	<0.0723	<0.000975	<0.000709	<0.000941	<0.000864	<0.000817	<0.000972	<0.000981	<0.000975	**0.298**	**0.223**	<0.00084	<0.000979	<0.0106	<0.000871	<0.00114	<0.000735	<0.00104	<0.000871	<0.000854	<0.00107	<0.000925	<0.000881
1,3-Dichloropropane	NS	NS	2.3E+04	<0.0604	<0.000814	<0.000592	<0.000786	<0.000722	<0.000682	<0.000812	<0.000819	<0.000814	<0.000858	<0.00086	<0.000701	<0.000818	<0.00883	<0.000727	<0.000955	<0.000614	<0.000867	<0.000728	<0.000713	<0.000889	<0.000773	<0.000735
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.0844	<0.00114	<0.000827	<0.0011	<0.00101	<0.000953	<0.00113	<0.00114	<0.00114	**1.42**	**0.956**	<0.00098	<0.00114	<0.0123	**0.00952**	<0.00133	<0.000858	<0.00121	<0.00102	<0.000996	<0.00124	<0.00108	<0.00103
2,2-Dichloropropane	NS	NS	NS	<0.166	<0.00224	<0.00163	<0.00216	<0.00199	<0.00188 J3	<0.00224	<0.00226	<0.00224	<0.00236	<0.00237	<0.00193	<0.00225 J3	<0.0244 J3	<0.002	<0.00263	<0.00169	<0.00239	<0.002	<0.00196	<0.00246	<0.00213	<0.00203
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<7.66 J4	<0.103 J4	<0.0775 J4	<0.0996 J4	<0.0915	<0.0864	<0.103	<0.104	<0.103	<0.109	<0.109	<0.0889	<0.104	<1.12	<0.0922	<0.12	<0.0778 J4	<0.11 J4	<0.0922 J4	<0.0904 J4	<0.113 J4	<0.0979 J4	<0.0932
2-Chlorotoluene	NS	NS	2.3E+04	<0.104	<0.00141	<0.00102	<0.00136	<0.00125	<0.00118	<0.0014	<0.00141	<0.00141	<0.00148	<0.00149	<0.00121	<0.00141	<0.0152	<0.00126	<0.00165	<0.00106	<0.0015	<0.00126	<0.00123	<0.00154	<0.00133	<0.00127
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0163**	**0.0158**	**0.0149**	**0.0153**	**0.0166**	**0.0163**	**0.0167**	**0.0193**	**0.017**	**0.0212**	**0.0192**	**0.0172**	**0.016**	**0.0173**	**0.0174**	**0.017**	**0.0169**	**0.017**	**0.0167**	**0.0169**	**0.0169**	**0.0171**	**0.0165**
4-Chlorotoluene	NS	NS	2.3E+04	<0.0543	<0.000731	<0.000532	<0.000706	<0.000648	<0.000612	<0.000729	<0.000736	<0.000731	<0.000771	<0.000773	<0.00063	<0.000734	<0.00794	<0.000653	<0.000857	<0.000552 J4	<0.000779	<0.000653	<0.00064	<0.000799	<0.000694	<0.00066
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.274	<0.0037	<0.00269	<0.00358	<0.00328	<0.0031	<0.0037	<0.00373	<0.00371	<0.0039	<0.00391	<0.00319	<0.00372	<0.0401	<0.00331	<0.00434	<0.00279	<0.00395	<0.00331	<0.00324	<0.00405	<0.00352	<0.00335
Acetone	2.7E+05	6.7E+05	—	<4.4	<0.0593	<0.0431	<0.0572	<0.0526 J3	<0.0497	<0.0592	<0.0597	<0.0593	<0.0625	<0.0627	<0.0511	<0.0596	<0.644	<0.053	<0.0695	<0.0447 J4	<0.0632 J4	<0.053 J4	<0.0519 J4	<0.0648 J4	<0.0563 J4	<0.0536 J4
Acrylonitrile	NS	NS	1.1E+00	<0.436	<0.00586	<0.00426	<0.00566	<0.00552	<0.00491	<0.00585	<0.00589	<0.00587	<0.00618	<0.0062	<0.00505	<0.00589	<0.0636	<0.00524	<0.00687	<0.00442	<0.00625 J4	<0.00524 J4	<0.00514 J4	<0.00641 J4	<0.00557 J4	<0.0053
Benzene	3.3E+01	1.4E+00	—	**3.56**	<0.000759	**0.0115**	<0.000732	<0.000673	<0.000636	<0.000757	<0.000764	<0.000759	**0.00226**	**0.00204**	**0.0114**	<0.000762	**0.0366**	**0.00518**	**0.00576**	<0.000572	<0.000809	<0.000678	<0.000665	<0.000829	<0.00072	**0.307**
Bromobenzene	NS	NS	1.8E+03	<0.109	<0.00146	<0.00106	<0.00141	<0.0013	<0.00122	<0.00146	<0.00147	<0.00146	<0.00154	<0.00155	<0.00126	<0.00147	<0.0159	<0.00131	<0.00171	<0.0011	<0.00156	<0.00131	<0.00128	<0.0016	<0.00139	<0.00132
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.0874	<0.00118	<0.000857	<0.00114	<0.00104	<0.000987	<0.00118	<0.00119	<0.00118	<0.00124	<0.00124	<0.00102	<0.00118	<0.0128	<0.00105	<0.00138	<0.000889	<0.00126	<0.00105	<0.00103	<0.00129	<0.00112	<0.00106
Bromoform	1.2E+03	8.0E+01	—	<0.141	<0.0019	<0.00138	<0.00184	<0.00169	<0.00159	<0.0019	<0.00191	<0.0019	<0.002	<0.00201	<0.00164	<0.00191	<0.0207	<0.0017	<0.00223	<0.00143	<0.00203	<0.0017	<0.00167	<0.00207	<0.0018	<0.00172
Bromomethane	2.9E+01	3.0E+01	—	<0.238	<0.0032	<0.00233	<0.00309	<0.00284 J3	<0.00268	<0.00319	<0.00322	<0.0032	<0.00337	<0.00338	<0.00276	<0.00321	<0.0348	<0.00286	<0.00375	<0.00241	<0.00341	<0.00286	<0.0028	<0.00349	<0.00304	<0.00289
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.108	<0.00146	<0.00106	<0.00141	<0.00129	<0.00122	<0.00146	<0.00147	<0.00146	<0.00154	<0.00154	<0.00126	<0.00147	<0.0158	<0.0013	<0.00171	<0.0011	<0.00155	<0.0013	<0.00128	<0.00161	<0.00138	<0.00132
Chlorobenzene	1.2E+03	1.3E+03	—	<0.0253	<0.000341	**0.0552**	**0.00536**	<0.000302	<0.000286	<0.00034	<0.000343	<0.000341	<0.00036	<0.000361	<0.000294	<0.000343	<0.00371	<0.000305	<0.0004	<0.000257	<0.000364	<0.000305	<0.000299	<0.000373	<0.000324	<0.000308
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.0739	<0.000994	<0.000723	<0.00096	<0.000881	<0.000833	<0.000992	<0.001	<0.000995	<0.00105	<0.00105	<0.000857	<0.000999	<0.0108	<0.000888	<0.00117	<0.00075	<0.00106	<0.000889	<0.000871	<0.00109	<0.000944	<0.000898
Chloroethane	5.9E+04	5.9E+04	—	<0.205	<0.00276	<0.00201	<0.00267	<0.00245	<0.00231	<0.00276	<0.00278	<0.00276	<0.00291	<0.00292	<0.00238	<0.00277	<0.03	<0.00247	<0.00324	<0.00208	<0.00294	<0.00247	<0.00242	<0.00302	<0.00262	<0.00249
Chloroform	3.4E+01	1.4E+00	—	<0.124	<0.00167	<0.00122	<0.00162	<0.00148	<0.0014	<0.00167	<0.00168	<0.00167	<0.00176	<0.00177	<0.00144	<0.00168	<0.0181	<0.0015	<0.00196	<0.00126	<0.00178	<0.0015	<0.00147	<0.00183	<0.00159	<0.00151
Chloromethane	4.7E+02	4.7E+02	—	<0.525	<0.00707	<0.00514	<0.00682	<0.00627	<0.00592	<0.00705	<0.00712	<0.00707	<0.00745	<0.00747	<0.00609	<0.0071	<0.0766	<0.00631	<0.00828	<0.00533	<0.00753	<0.00632	<0.00619	<0.00772	<0.00671	<0.00638
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.0885	<0.00119	**0.00899**	**0.232**	<0.00106	<0.000999	<0.00119	<0.0012	<0.00119	<0.00126	<0.00126	**0.0119**	<0.0012	<0.0129	<0.00107	<0.0014	<0.0009	<0.00127	<0.00107	<0.00104	<0.0013	<0.00113	<0.00108
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.0913	<0.00123	<0.000894	<0.00119	<0.00109	<0.00103	<0.00123	<0.00124	<0.00123	<0.0013	<0.0013	<0.00106	<0.00124	<0.0133	<0.0011	<0.00145	<0.000928	<0.00131	<0.0011	<0.00108	<0.00134	<0.00117	<0.00111
Dibromomethane	NS	NS	9.9E+01	<0.0904	<0.00122	<0.000886	<0.00118	<0.00108	<0.00102	<0.00122	<0.00123	<0.00122	<0.00128	<0.00129	<0.00105	<0.00122	<0.0132	<0.00109	<0.00143	<0.000919	<0.0013	<0.00109	<0.00107	<0.00133	<0.00116	<0.001
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.194	<0.00262	<0.0019	<0.00253	<0.00232 J3	<0.00219	<0.00261	<0.00263	<0.00262	<0.00276	<0.00276	<0.00225	<0.00263	<0.0283	<0.00234	<0.00306	<0.00197	<0.00279	<0.00234	<0.00229	<0.00286	<0.00248	<0.00236
Di-isopropyl ether	NS	NS	9.4E+03	<0.0494	<0.000666	<0.000484	<0.000643	<0.000591	<0.000558	<0.000665	<0.000671	<0.000666	<0.000702	<0.000704	<0.000574	<0.000669	<0.00723	<0.000595	<0.000781	<0.000503	<0.00071	<0.000595	<0.000583	<0.000728	<0.000632	<0.000602
Ethylbenzene	5.4E+02	2.6E+01	—	**75.4**	<0.0012	**0.00304**	<0.00116	<0.00106	<0.001	<0.00119	<0.00121	<0.0012	<0.00126	<0.00127	**0.0107**	<0.0012	**0.207**	<0.00107	**0.0168**	<0.000903	<0.00128	<0.00107	<0.00105	<0.00131	<0.00114	**0.119**
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.723	<0.00975	<0.00709	<0.00941	<0.00864 J3	<0.00817	<0.00972	<0.00981	<0.00975	<0.0103	<0.0103	<0.0084	<0.00979	<0.106	<0.00871	<0.0114	<0.00735	<0.0104 J3	<0.00871 J3	<0.00854 J3	<0.0107 J3	<0.00925 J3	<0.00881
Isopropylbenzene	NS	NS	NS	**21.6**	<0.00069	<0.000502	<0.000667	<0.000612	<0.000578	<0.000689	**0.0144**	<0.000691	**0.834**	**1.1**	<0.000597	<0.000694	**0.139**	**0.0105**	<0.00081	<0.000521	<0.000736	<0.000617	<0.000605	<0.000755	<0.000655	**0.0178**
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.0422	<0.000569	<0.000413	<0.000549	<0.000504	<0.000476	<0.000567	<0.000572	<0.000569	<0.000599	<0.000601	<0.00049	<0.000571	<0.00618	<0.000508	<0.000667	<0.000429	<0.000606	<0.000508	<0.000498	<0.000622	<0.00054	<0.000514
Methylene Chloride	4.9E+02	2.5E+01	—	<0.8	<0.0108	<0.00784	<0.0104	<0.00956	<0.00904	<0.0108	<0.0109	<0.0108	<0.0114	<0.0114	<0.0093	<0.0108	<0.117	<0.00964	<0.0126	<0.00814	<0.0115	<0.00964	<0.00945	<0.0118	<0.0102	<0.00974
Naphthalene	4.0E+02	1.7E+01	—	**49.6**	<0.00793	<0.00577	<0.00765	<0.00703	<0.00664	<0.00791	<0.00798	<0.00793	<0.00836	<0.00838	**0.0218**	**0.299**	**2.68**	<0.00708	**0.211**	<0.00598 J3	<0.00845	<0.00709	<0.00695	<0.00867	<0.00752	**0.183**
n-Butylbenzene	NS	NS	5.8E+04	**33.9**	<0.00853	<0.0062	<0.00823	<0.00756	<0.00714	<0.00851	**0.0497**	<0.00853	**2.62**	**2.3**	<0.00735	<0.00857	**0.454**	**0.0238**	**0.0263**	<0.00643	<0.00909	<0.00762	<0.00747	<0.00932	<0.0081	<0.0077
n-Propylbenzene	NS	NS	2.4E+04	**77.8**	<0.00154	<0.00112	<0.00149	<0.00137	<0.00129	<0.00154	**0.0329**	<0.00154	**0.702**	**0.323**	<0.00133	<0.00155	**0.228**	<0.00138	**0.0119**	<0.00116	<0.00164	<0.00138	<0.00135	<0.00169	<0.00146	**0.0345**
p-Isopropyltoluene	NS	NS	NS	<0.307	<0.00414	<0.00301	<0.004	<0.00367	<0.00347	<0.00413	<0.00417	<0.00414	<0.00437	<0.00438	**0.0277**	<0.00416	**0.357**	<0.0037	**0.0369**	<0.00313	<0.00442	<0.0037	<0.00363	<0.00453	<0.00393	**0.0346**
sec-Butylbenzene	NS	NS	1.2E+05	**18.1**	<0.00468	<0.0034	<0.00452	<0.00415	<0.00392	<0.00467	**0.0615**	<0.00468	**1.92**	**1.7**	<0.00403	<0.0047	**0.228**	**0.0193**	<0.00548	<0.00353	<0.00499	<0.00418	<0.0041	<0.00512	<0.00444	<0.00423
Styrene	2.5E+04	3.3E+04	—	<0.0276	<0.000372	<0.000271	<0.000359	<0.00033	<0.000312	<0.000371	<0.000375	<0.000372	<0.000392	<0.000393	<0.000321	<0.000374	<0.00403	<0.000332	<0.000436	<0.000281	<0.000397	<0.000333	<0.000326	<0.000407	<0.000353	<0.000336
tert-Butylbenzene	NS	NS	1.2E+05	<0.235 J4	<0.00317 J4	<0.0023 J4	<0.00306 J4	<0.00281	<0.00265	<0.00316	<0.00319	<0.00317	**0.164**	**0.13**	<0.00273	<0.00318	<0.0343	<0.00283	<0.00372	<0.00239	<0.00338	<0.00283	<0.00278	<0.00346	<0.00301	<0.00286
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.108	<0.00146	<0.00106	<0.00141	**0.00612**	<0.00122	<0.00145	<0.00147	<0.00146	<0.00153	<0.00154	<0.00125	<0.00146	<0.0158	<0.0013	<0.00171	<0.0011	<0.00155	<0.0013	<0.00128	<0.0016	<0.00138	<0.00131
Toluene	4.7E+03	5.3E+03	—	**0.996**	<0.00211	**0.00599**	<0.00204	<0.00187	<0.00177	<0.00211	<0.00213	<0.00211	<0.00223	<0.00223	**0.0146**	<0.00212	<0.023	<0.00189	**0.0177**	<0.00159	<0.00225	<0.00189	<0.00185	<0.00231	<0.002	**0.409**
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.125	<0.00169	<0.00123	**0.0091**	<0.0015	<0.00142	<0.00169	<0.0017	<0.00169	<0.00178	<0.00179	<0.00146	<0.0017	<0.0184	<0.00151	<0.00198	<0.00127	<0.0018	<0.00151	<0.00148	<0.00185	<0.0016	<0.00153
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.137	<0.00185	<0.00135	<0.00179	<0.00164	<0.00155	<0.00185	<0.00186	<0.00185	<0.00195	<0.00196	<0.0016	<0.00186	<0.0201	<0.00165	<0.00217	<0.0014	<0.00197	<0.00166	<0.00162	<0.00203	<0.00176	<0.00167
Trichloroethene	1.8E+01	6.1E+00	—	<0.0704	<0.000949	**0.00324**	**0.00524**	**0.00307**	<0.000795	<0.000947	<0.000955	<0.000949	<0.001	<0.001	<0.000818	<0.000953	<0.0103	<0.000848	<0.00111	<0.000716	<0.00101	<0.000848	<0.000831	<0.00104	<0.0009	<0.000857
Trichlorofluoromethane	NS	NS	3.5E+05	<0.0998	<0.00134	<0.000977	<0.0013	<0.00119	<0.00113	<0.00134	<0.00135	<0.00134	<0.00142	<0.00142	<0.00116	<0.00135	<0.0146	<0.0012	<0.00157	<0.00101	<0.00143	<0.0012	<0.00118	<0.00147	<0.00128	<0.00121
Vinyl chloride	3.4E+00	1.5E-01	—	<0.14	<0.00188	**0.00372**	**0.0671**	<0.00167 J3	<0.00158	<0.00188	<0.0019	<0.00189	<0.00199	<0.00199	<0.00162	<0.00189	<0.0204	<0.00168	<0.00221	<0.00142	<0.00201	<0.00168	<0.00165	<0.00206	<0.00179	<0.0017
Xylenes, Total	2.4E+03	2.5E+03	—	**3.87**	<0.00143	<0.00104	<0.00138	<0.00127	<0.0012	<0.00143	<0.00144	<0.00143	**0.139**	**0.123**	**0.0344**	<0.00144	**0.294**	<0.00128	**0.0249**	<0.00108	<0.00152	<0.00128	<0.00125	<0.00157	<0.00136	**0.537**

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 3. Summary of VOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	UC-B4-2	UC-B4-2-10.0	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	5.0	10.0	2.0	4.0	5.0	8.0	10.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSL[2]	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
VOLATILE ORGANIC COMPOUNDS - 8260B (mg/kg)										
1,1,1,2-Tetrachloroethane	1.9E+02	8.9E+00	—	<0.00124	<0.00138	<0.00126	<0.00163	<0.00152	<0.00161	<0.00142
1,1,1-Trichloroethane	7.2E+03	7.3E+03	—	<0.0012	<0.00134	<0.00123	<0.00159	<0.00148	<0.00157	<0.00138
1,1,2,2-Tetrachloroethane	4.9E+01	2.7E+00	—	<0.000906	<0.00101	<0.000923	<0.00119	<0.00111	<0.00118	<0.00104
1,1,2-Trichloroethane	6.3E+00	5.1E+00	—	<0.000778	<0.000869	<0.000793	<0.00103	<0.000957	<0.00102	<0.000893
1,1,2-Trichlorotrifluoroethane	NS	NS	2.8E+04	<0.000983	<0.0011	<0.001	<0.0013	<0.00121 J3	<0.00128	<0.00113 J3
1,1-Dichloroethane	3.7E+02	1.6E+01	—	<0.00064	<0.000715	<0.000652	<0.000844	<0.000787	<0.000836	<0.000734
1,1-Dichloroethene	3.5E+02	3.5E+02	—	<0.00079	<0.000882	<0.000805	<0.00104	<0.000972	<0.00103	<0.000906
1,1-Dichloropropene	NS	NS	NS	<0.00105	<0.00118	<0.00107	<0.00139	<0.0013	<0.00138	<0.00121
1,2,3-Trichlorobenzene	NS	NS	9.3E+02	<0.00955	<0.0107	<0.00974	<0.0126	<0.0118	<0.0125	<0.011
1,2,3-Trichloropropane	8.3E-01	1.1E-01	—	<0.00211	<0.00236	<0.00215	<0.00278	<0.0026 J4	<0.00276	<0.00242 J4
1,2,3-Trimethylbenzene	NS	NS	2.0E+03	<0.00206	<0.0023	<0.0021	<0.00272	<0.00253	<0.00269	<0.00236
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.00573	<0.0064	<0.00585	<0.00756 J3	<0.00705	<0.00749 J3	<0.00658
1,2,4-Trimethylbenzene	NS	1.8E+03	<0.00206	<0.0023	<0.0021	<0.00272	**0.0159**	<0.00269	<0.00236	
1,2-Dibromo-3-Chloropropane	1.1E+00	5.9E-02	—	<0.00508	<0.00568	<0.00518	<0.0067	<0.00625	<0.00664	<0.00583
1,2-Dibromoethane	3.3E+00	1.6E-01	—	<0.000845	<0.000943	<0.000861	<0.00111	<0.00104	<0.0011	<0.000969
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.000554	<0.000619	<0.000565	<0.000731	<0.000681	<0.000724	<0.000635
1,2-Dichloroethane	4.5E+01	2.1E+00	—	<0.000846	<0.000945	<0.000862	<0.00112	<0.00104	<0.00111	<0.00097
1,2-Dichloropropane	6.6E+01	4.4E+00	—	<0.00185	<0.00207	<0.00189	<0.00244	<0.00228	<0.00242	<0.00212
1,3,5-Trimethylbenzene	NS	NS	1.5E+03	<0.00261	<0.00291	<0.00266	<0.00344	**0.016**	**0.0108**	<0.00299
1,3-Dichlorobenzene	NS	NS	NS	<0.000782	<0.000873	<0.000797	<0.00103	<0.000962	<0.00102	<0.000897
1,3-Dichloropropane	NS	NS	2.3E+04	<0.000653	<0.000729	<0.000666	<0.000861	<0.000803	<0.000853	<0.000749
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.000912	<0.00102	<0.00093	<0.0012	<0.00112	<0.00119	<0.00105
2,2-Dichloropropane	NS	NS	NS	<0.0018	<0.00201	<0.00183	<0.00237	<0.00221	<0.00235	<0.00206
2-Butanone (MEK)	1.2E+05	2.0E+05	—	<0.0828	<0.0924	<0.0844	<0.109	<0.102 J3	<0.108	<0.0949 J3
2-Chlorotoluene	NS	NS	2.3E+04	<0.00113	<0.00126	<0.00115	<0.00149	<0.00139	<0.00147	<0.00129
4-Bromofluorobenzene	NS	NS	3.5E+02	**0.0169**	**0.0166**	**0.0151**	**0.0173**	**0.0165**	**0.0171**	**0.0158**
4-Chlorotoluene	NS	NS	2.3E+04	<0.000586	<0.000655	<0.000598	<0.000773	<0.000721	<0.000766	<0.000673
4-Methyl-2-pentanone (MIBK)	1.4E+05	1.4E+05	—	<0.00297	<0.00332	<0.00303	<0.00392	<0.00366	<0.00388	<0.00341
Acetone	2.7E+05	6.7E+05	—	<0.0476 J4	<0.0531 J4	<0.0485	<0.0627 J3	<0.0585 J3J4	<0.0622 J3	<0.0546 J3J4
Acrylonitrile	NS	NS	1.1E+00	<0.0047	<0.00525	<0.0048	<0.00621	<0.00579	<0.00615	<0.0054
Benzene	3.3E+01	1.4E+00	—	**0.00235**	<0.00068	<0.00062	<0.000803	<0.000749	<0.000795	<0.000698
Bromobenzene	NS	NS	1.8E+03	<0.00117	<0.00131	<0.0012	<0.00155	<0.00144	<0.00153	<0.00135
Bromodichloromethane	2.8E+01	1.3E+00	—	<0.000945	<0.00106	<0.000963	<0.00125	<0.00116	<0.00123	<0.00108
Bromoform	1.2E+03	8.0E+01	—	<0.00152	<0.0017	<0.00155	<0.00201	<0.00188	<0.00199	<0.00175
Bromomethane	2.9E+01	3.0E+01	—	<0.00257	<0.00287	<0.00262	<0.00339	<0.00316	<0.00335	<0.00295
Carbon tetrachloride	5.3E+01	2.7E+00	—	<0.00117	<0.00131	<0.00119	<0.00154	<0.00144	<0.00153	<0.00134
Chlorobenzene	1.2E+03	1.3E+03	—	<0.000274	<0.000306	<0.000279	<0.000361	<0.000337	<0.000358	<0.000314
Chlorodibromomethane	2.9E+02	3.9E+01	—	<0.000798	<0.000891	<0.000813	<0.00105	<0.000981	<0.00104	<0.000915
Chloroethane	5.9E+04	5.9E+04	—	<0.00222	<0.00247	<0.00226	<0.00292	<0.00273	<0.00289	<0.00254
Chloroform	3.4E+01	1.4E+00	—	<0.00134	<0.0015	<0.00137	<0.00177	<0.00165	<0.00175	<0.00154
Chloromethane	4.7E+02	4.7E+02	—	<0.00567	<0.00633	<0.00578	<0.00748	<0.00697	<0.00741	<0.0065
cis-1,2-Dichloroethene	7.8E+01	8.5E+01	—	<0.000957	<0.00107	<0.000975	<0.00126	<0.00118	<0.00125	<0.0011
cis-1,3-Dichloropropene	NS	NS	8.2E+00	<0.000987	<0.0011	<0.00101	<0.0013	<0.00121	<0.00129	<0.00113
Dibromomethane	NS	NS	9.9E+01	<0.000977	<0.00109	<0.000997	<0.00129	<0.0012	<0.00128	<0.00112
Dichlorodifluoromethane	NS	NS	3.7E+02	<0.0021	<0.00234	<0.00214	<0.00277	<0.00258	<0.00274	<0.00241
Di-isopropyl ether	NS	NS	9.4E+03	<0.000534	<0.000597	<0.000545	<0.000705	<0.000657	<0.000698	<0.000613
Ethylbenzene	5.4E+02	2.6E+01	—	<0.000961	<0.00107	<0.000979	<0.00127	<0.00118	<0.00126	<0.0011
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.00782	<0.00873	<0.00797	<0.0103	<0.00962	<0.0102	<0.00897
Isopropylbenzene	NS	NS	NS	<0.000554	<0.000619	<0.000565	<0.000731	<0.000681	<0.000724	<0.000635
Methyl tert-butyl ether	4.1E+03	2.1E+02	—	<0.000456	<0.000509	<0.000465	<0.000602	<0.000561	<0.000596	<0.000523
Methylene Chloride	4.9E+02	2.5E+01	—	<0.00865	<0.00966	<0.00882	<0.0114	<0.0106	<0.0113	<0.00993
Naphthalene	4.0E+02	1.7E+01	—	<0.00636	<0.0071	<0.00648	<0.00839 J3	<0.00782	<0.00831 J3	<0.0073
n-Butylbenzene	NS	NS	5.8E+04	<0.00684	<0.00764	<0.00698	<0.00902	<0.00842	<0.00894	<0.00785
n-Propylbenzene	NS	NS	2.4E+04	<0.00124	<0.00138	<0.00126	<0.00163	<0.00152	<0.00162	<0.00142
p-Isopropyltoluene	NS	NS	NS	<0.00332	<0.00371	<0.00339	<0.00438	<0.00409	**0.00877**	<0.00381
sec-Butylbenzene	NS	NS	1.2E+05	<0.00375	<0.00419	<0.00383	<0.00495	<0.00462	<0.0049	<0.00431
Styrene	2.5E+04	3.3E+04	—	<0.000298	<0.000333	<0.000304	<0.000394	<0.000367	<0.00039	<0.000342
tert-Butylbenzene	NS	NS	1.2E+05	<0.00254	<0.00284	<0.00259	<0.00335	<0.00313	<0.00332	<0.00292
Tetrachloroethene	3.3E+01	2.7E+00	—	<0.00117	<0.0013	<0.00119	<0.00154	<0.00144	<0.00153	<0.00134
Toluene	4.7E+03	5.3E+03	—	<0.00169	<0.00189	<0.00173	<0.00223	<0.00208	<0.00221	<0.00194
trans-1,2-Dichloroethene	5.7E+02	6.0E+02	—	<0.00136	<0.00151	<0.00138	<0.00179	<0.00167	<0.00177	<0.00155
trans-1,3-Dichloropropene	NS	NS	8.2E+00	<0.00149	<0.00166	<0.00151	<0.00196	<0.00183	<0.00194	<0.0017
Trichloroethene	1.8E+01	6.1E+00	—	<0.000761	<0.00085	<0.000776	<0.001	<0.000936	<0.000994	<0.000873
Trichlorofluoromethane	NS	NS	3.5E+05	<0.00108	<0.0012	<0.0011	<0.00142	<0.00133	<0.00141	<0.00124
Vinyl chloride	3.4E+00	1.5E-01	—	<0.00151	<0.00169	<0.00154	<0.00199	<0.00186	<0.00198	<0.00173
Xylenes, Total	2.4E+03	2.5E+03	—	<0.00115	<0.00128	<0.00117	<0.00151	**0.101**	**0.116**	<0.00132

Notes:

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Not used

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RSL = Regional Screening Level.

RWQCB = Regional Water Quality Control Board.

USEPA = United States Environmental Protection Agency.

VOCs = Volatile Organic Compounds.

VOCs analyzed by United States Environmental Protection Agency (EPA) Method 8260B.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	USEPA	BS-B1-1	BS-B1-1	BS-B1-1	BS-C1-1	BS-C1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-D1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	Industrial	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	RSLs[2]	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	—	<0.0252	<0.0243	<0.134	<0.0225	<0.0111 R	<0.0136 R	<0.115	<0.0229	<0.114	<0.127	<0.0235	<0.0141	<0.0122	<0.114	<0.114	<0.024	<0.0121	<0.0238
1,2-Dichlorobenzene	7.8E+03	9.4E+03	—	<0.0238	<0.023	<0.127	<0.0213	<0.0106	<0.0129	<0.109	<0.0217	<0.109	<0.12	<0.0222	<0.0134	<0.0116	<0.108	<0.108	<0.0227	<0.0115	<0.0225
1,3-Dichlorobenzene	NS	NS	NS	<0.0244	<0.0236	<0.13	<0.0218	<0.0108	<0.0132	<0.112	<0.0222	<0.111	<0.123	<0.0228	<0.0137	<0.0119	<0.11	<0.11	<0.0233	<0.0118	<0.0231
1,4-Dichlorobenzene	2.8E+02	1.2E+01	—	<0.024	<0.0231	<0.128	<0.0214	<0.0106	<0.013	<0.11	<0.0218	<0.109	<0.121	<0.0224	<0.0134	<0.0116	<0.108	<0.108	<0.0229	<0.0116	<0.0226
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	—	<0.0349	<0.0336	<0.186	<0.0311	<0.0154	<0.0189	<0.159	<0.0317	<0.158	<0.175	<0.0325	<0.0195	<0.0169	<0.158	<0.157	<0.0332	<0.0168	<0.0329
2,4,6-Tribromophenol	NS	NS	7.4E+03	**0.502**	**0.575**	**0.539**	**0.345**	**0.279**	**0.32**	**0.519**	**0.558**	**0.447**	**0.51**	**0.477**	**0.386**	**0.322**	**0.264**	**0.235**	**0.451**	**0.417**	**0.562**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	—	<0.0259	<0.025	<0.138	<0.0231	<0.0115	<0.014	<0.118	<0.0235	<0.118	<0.13	<0.0242	<0.0145	<0.0126	<0.117	<0.117	<0.0247	<0.0125	<0.0244
2,4-Dichlorophenol	1.1E+03	3.5E+03	—	<0.0235	<0.0226	<0.125	<0.021	<0.0104	<0.0127	<0.107	<0.0213	<0.107	<0.118	<0.0219	<0.0132	<0.0114	<0.106	<0.106	<0.0224	<0.0113	<0.0222
2,4-Dimethylphenol	7.1E+03	2.3E+04	—	<0.0211	<0.0203	<0.112	<0.0188	<0.00932	<0.0114	<0.0962	<0.0191	<0.0957	<0.106	<0.0196	<0.0118	<0.0102	<0.0952	<0.0951	<0.0201	<0.0102	<0.0199
2,4-Dinitrophenol	7.1E+02	2.3E+03	—	<0.189	<0.182	<1	<0.169	<0.0834	<0.102	<0.862	<0.172	<0.857	<0.948	<0.176	<0.106	<0.0915	<0.852	<0.852	<0.18	<0.091	<0.178
2,4-Dinitrotoluene	7.9E+01	1.1E+01	—	<0.0231	<0.0223	<0.123	<0.0206	<0.0102	<0.0125	<0.106	<0.021	<0.105	<0.116	<0.0216	<0.013	<0.0112	<0.104	<0.104	<0.022	<0.0112	<0.0218
2,6-Dinitrotoluene	NS	NS	3.4E+00	<0.0264	<0.0254	<0.141	<0.0236	<0.0117	<0.0143	<0.121	<0.024	<0.12	<0.133	<0.0246	<0.0148	<0.0128	<0.119	<0.119	<0.0252	<0.0127	<0.0249
2-Chloronaphthalene	NS	NS	6.0E+04	<0.0142	<0.0137	<0.0755	<0.0126	<0.00626	<0.00766	<0.0647	<0.0129	<0.0644	<0.0712	<0.0132	<0.00794	<0.00687	<0.064	<0.064	<0.0135	<0.00683	<0.0134
2-Chlorophenol	1.8E+03	5.8E+03	—	<0.0266	<0.0257	<0.142	<0.0238	<0.0118	<0.0144	<0.122	<0.0242	<0.121	<0.134	<0.0248	<0.0149	<0.0129	<0.12	<0.12	<0.0254	<0.0128	<0.0251
2-Fluorobiphenyl	NS	NS	NS	**0.243**	**0.267**	**0.275**	**0.217**	**0.165**	**0.168**	**0.234**	**0.217**	**0.231**	**0.246**	**0.237**	**0.19**	**0.165**	**0.201**	**0.215**	**0.202**	**0.193**	**0.247**
2-Fluorophenol	NS	NS	NS	**0.506**	**0.532**	**0.593**	**0.495**	**0.367**	**0.363**	**0.592**	**0.438**	**0.539**	**0.522**	**0.479**	**0.372**	**0.319**	**0.403**	**0.408**	**0.398**	**0.379**	**0.481**
2-Nitrophenol	NS	NS	NS	<0.0288	<0.0278	<0.154	<0.0257	<0.0127	<0.0156	<0.132	<0.0262	<0.131	<0.145	<0.0269	<0.0161	<0.014	<0.13	<0.13	<0.0275	<0.0139	<0.0272
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	—	<0.0298	<0.0287	<0.159	<0.0266	<0.0132	<0.0161	<0.136	<0.027	<0.135	<0.15	<0.0278	<0.0167	<0.0144	<0.135	<0.135	<0.0284	<0.0144	<0.0281
4,6-Dinitro-2-methylphenol	NS	NS	NS	<0.183	<0.176	<0.974	<0.163	<0.0808	<0.0989	<0.835	<0.166	<0.831	<0.918	<0.17	<0.102	<0.0887	<0.826	<0.826	<0.174	<0.0882	<0.172
4-Bromophenyl-phenylether	NS	NS	NS	<0.0283	<0.0273	<0.151	<0.0253	<0.0125	<0.0153	<0.129	<0.0257	<0.129	<0.142	<0.0264	<0.0159	<0.0137	<0.128	<0.128	<0.027	<0.0137	<0.0267
4-Chloro-3-methylphenol	NS	NS	NS	<0.0261	<0.0252	<0.139	<0.0233	<0.0116	<0.0141	<0.119	<0.0237	<0.119	<0.131	<0.0244	<0.0146	<0.0127	<0.118	<0.118	<0.0249	<0.0126	<0.0247
4-Chlorophenyl-phenylether	NS	NS	NS	<0.0281	<0.0271	<0.15	<0.0251	<0.0124	<0.0152	<0.128	<0.0255	<0.128	<0.141	<0.0262	<0.0157	<0.0136	<0.127	<0.127	<0.0268	<0.0135	<0.0265
4-Nitrophenol	NS	NS	NS	<0.0252	<0.0243	<0.134	<0.0225	<0.0111	<0.0136	<0.115	<0.0229	<0.114	<0.127	<0.0235	<0.0141	<0.0122	<0.114	<0.114	<0.024	<0.0121	<0.0238
Acenaphthene	1.0E+04	4.5E+04	—	<0.0131	<0.0126	<0.0695	<0.0117	<0.00577	<0.00706	<0.0596	<0.0119	<0.0593	<0.0656	<0.0122	**0.0461**	<0.00633	<0.059	<0.0589	<0.0125	<0.00629	<0.0123
Acenaphthylene	NS	NS	NS	<0.0114	<0.0109	<0.0605	<0.0101	<0.00502	<0.00614	<0.0519	<0.0103	<0.0516	<0.057	<0.0106	<0.00636	<0.00551	<0.0513	<0.0513	<0.0108	<0.00548	<0.0107
Anthracene	5.0E+04	2.3E+05	—	<0.0144	<0.0139	<0.0765	<0.0129	<0.00635	<0.00777	<0.0656	<0.0131	<0.0652	<0.0721	<0.0134	<0.00804	**0.0739**	<0.0649	<0.0648	<0.0137	<0.00693	<0.0136
Benzidine	NS	NS	1.0E-02	<0.151	<0.146	<0.808	<0.135	<0.067	<0.082	<0.692	<0.137	<0.689	<0.761	<0.141	<0.0849	<0.0735	<0.685	<0.685	<0.144	<0.0731	<0.143
Benzo(a)anthracene	1.1E+02	2.0E+01	—	<0.0142	<0.0137	<0.0757	<0.0126	<0.00628	<0.00769	<0.0649	**0.46**	<0.0646	<0.0714	**0.164**	<0.00796	**0.337 J**	**0.415**	**0.44**	<0.0135	<0.00686	<0.0134
Benzo(a)pyrene	1.0E+01	2.1E+00	—	<0.015	<0.0145	<0.0799	**0.0788**	<0.00663	<0.00811	<0.0685	**0.565**	<0.0681	<0.0753	**0.27**	**0.0669**	**0.513 J**	**0.48**	**0.477**	<0.0143	<0.00723	<0.0142
Benzo(b)fluoranthene	1.1E+02	2.1E+01	—	<0.015	<0.0145	<0.0801	**0.107**	**0.0357**	<0.00814	<0.0687	**1.02**	<0.0683	<0.0755	**0.4**	**0.0985**	**0.752 J**	**0.723**	**0.904**	<0.0143	<0.00725	<0.0142
Benzo(g,h,i)perylene	NS	NS	NS	<0.0148	<0.0142	<0.0786	<0.0132	<0.00652	<0.00798	<0.0674	**0.234**	<0.067	<0.0741	**0.135**	**0.0658**	**0.361 J**	<0.0666	<0.0666	<0.0141	<0.00711	<0.0139
Benzo(k)fluoranthene	9.1E+02	2.1E+02	—	<0.0143	<0.0138	<0.0764	<0.0127	<0.00634	<0.00776	<0.0655	**0.29**	<0.0651	<0.072	**0.12**	<0.00803	**0.21**	<0.0648	<0.0647	<0.0136	<0.00691	<0.0135
Benzylbutyl phthalate	NS	NS	NS	<0.0252	<0.0243	<0.134	<0.0225	<0.0111	<0.0136	<0.115	<0.0229	<0.114	<0.127	<0.0235	<0.0141	<0.0122	<0.114	<0.114	<0.024	<0.0121	<0.0238
Bis(2-chlorethoxy)methane	NS	NS	2.5E+03	<0.0242	<0.0233	<0.129	<0.0216	<0.0107	<0.0131	<0.111	<0.022	<0.11	<0.122	<0.0226	<0.0136	<0.0117	<0.109	<0.109	<0.0231	<0.0117	<0.0228
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	—	<0.0266	<0.0257	<0.142	<0.0238	<0.0118	<0.0144	<0.122	<0.0242	<0.121	<0.134	<0.0248	<0.0149	<0.0129	<0.12	<0.12	<0.0254	<0.0128	<0.0251
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	—	<0.102	<0.0985	<0.544	<0.0912	<0.0452	<0.0553	<0.467	<0.0928	<0.464	<0.513	<0.0953	<0.0572	<0.0496	<0.462	<0.461	<0.0974	<0.0493	<0.0964
Chrysene	9.1E+03	2.1E+03	—	<0.016	<0.0154	<0.0854	**0.0757**	<0.00709	<0.00867	<0.0732	**0.747**	<0.0728	<0.0805	**0.215**	**0.0537**	**0.364 J**	**0.598**	**0.826**	<0.0152	<0.00773	<0.0151
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	—	<0.0224	<0.0216	<0.119	<0.02	<0.00988	<0.0121	<0.102	**0.0954**	<0.102	<0.112	<0.0209	<0.0125	**0.0964**	<0.101	<0.101	<0.0214	<0.0108	<0.0211
Diethyl phthalate	1.5E+05	6.6E+05	—	<0.0266	<0.0257	<0.142	<0.0238	<0.0118	<0.0144	<0.122	<0.0242	<0.121	<0.134	<0.0248	<0.0149	<0.0129	<0.12	<0.12	<0.0254	<0.0128	<0.0251
Dimethyl phthalate	NS	NS	1.2E+05	<0.171	<0.165	<0.911	<0.152	<0.0756	<0.0925	<0.781	<0.155	<0.777	<0.859	<0.159	<0.0958	<0.0829	<0.772	<0.772	<0.163	<0.0825	<0.161
Di-n-butyl phthalate	NS	NS	8.2E+04	<0.0276	<0.0266	<0.147	<0.0246	<0.0122	<0.0149	<0.126	<0.0251	<0.125	<0.139	<0.0257	<0.0155	<0.0134	<0.125	<0.125	<0.0263	<0.0133	<0.026
Di-n-octyl phthalate	NS	NS	8.2E+03	<0.0545	<0.0525	<0.29	<0.0486	<0.0241	<0.0295	<0.249	<0.0495	<0.248	<0.274	<0.0508	<0.0305	<0.0264	<0.246	<0.246	<0.0519	<0.0263	<0.0514
Fluoranthene	6.7E+03	3.0E+04	—	<0.0145	<0.014	<0.0775	**0.0908**	<0.00643	<0.00787	<0.0665	**0.454**	<0.0661	<0.0731	**0.169**	**0.0514**	**0.395**	**0.433**	**0.389**	<0.0139	<0.00702	<0.0137
Fluorene	6.7E+03	3.0E+04	—	<0.0131	<0.0126	<0.0699	<0.0117	<0.0058	<0.0071	<0.0599	<0.0119	<0.0596	<0.0659	<0.0122	<0.00735	<0.00636	<0.0593	<0.0593	<0.0125	<0.00633	<0.0123
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	—	<0.0271	<0.0261	<0.144	<0.0242	<0.012	<0.0147	<0.124	<0.0246	<0.123	<0.136	<0.0253	<0.0152	<0.0132	<0.123	<0.122	<0.0259	<0.0131	<0.0256
Hexachlorobenzene	7.7E+00	7.8E-01	—	<0.0286	<0.0275	<0.152	<0.0255	<0.0126	<0.0155	<0.131	<0.0259	<0.13	<0.144	<0.0266	<0.016	<0.0139	<0.129	<0.129	<0.0272	<0.0138	<0.027
Hexachlorocyclopentadiene	NS	NS	7.5E+00	<0.0424	<0.0408	<0.226	<0.0378	<0.0187	<0.0229	<0.194	<0.0385	<0.193	<0.213	<0.0395	<0.0237	<0.0206	<0.191	<0.191	<0.0404	<0.0204	<0.04
Hexachloroethane	1.2E+02	7.8E+00	—	<0.0317	<0.0306	<0.169	<0.0283	<0.014	<0.0172	<0.145	<0.0288	<0.144	<0.159	<0.0296	<0.0178	<0.0154	<0.143	<0.143	<0.0302	<0.0153	<0.0299
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	—	<0.0227	<0.0219	<0.121	<0.0203	<0.0101	<0.0123	<0.104	**0.269**	<0.104	<0.114	**0.163**	**0.0689**	**0.425 J**	<0.103	<0.103	<0.0217	<0.011	<0.0215
Isophorone	NS	NS	2.4E+03	<0.0247	<0.0238	<0.132	<0.022	<0.0109	<0.0134	<0.113	<0.0224	<0.112	<0.124	<0.023	<0.0138	<0.012	<0.112	<0.112	<0.0235	<0.0119	<0.0233
Naphthalene	4.0E+02	1.7E+01	—	<0.0202	<0.0195	<0.108	<0.018	<0.00895	<0.011	<0.0925	<0.0184	<0.092	<0.102	**0.0826**	**0.0708**	**0.168**	<0.0915	<0.0914	<0.0193	<0.00976	<0.0191
Nitrobenzene	NS	NS	2.2E+01	<0.0281	<0.0271	<0.15	<0.0251	<0.0124	<0.0152	<0.128	<0.0255	<0.128	<0.141	<0.0262	<0.0157	<0.0136	<0.127	<0.127	<0.0268	<0.0135	<0.0265
n-Nitrosodimethylamine	NS	NS	3.4E-02	<0.12	<0.115	<0.637	<0.107	<0.0529	<0.0647	<0.546	<0.109	<0.544	<0.601	<0.112	<0.067	<0.058	<0.54	<0.54	<0.114	<0.0577	<0.113
n-Nitrosodi-n-propylamine	NS	NS	3.3E-01	<0.0269	<0.0259	<0.143	<0.024	<0.0119	<0.0145	<0.123	<0.0244	<0.122	<0.135	<0.0251	<0.0151	<0.013	<0.121	<0.121	<0.0256	<0.013	<0.0254
n-Nitrosodiphenylamine	NS	NS	4.7E+02	<0.061	<0.0588	<0.325	<0.0545	<0.027	<0.033	<0.279	<0.0554	<0.277	<0.307	<0.0569	<0.0342	<0.0296	<0.276	<0.276	<0.0582	<0.0294	<0.0576
Pentachlorophenol	2.0E+01	4.0E+00	—	<0.0217	<0.0209	<0.116	<0.0193	<0.00959	<0.0117	<0.0991	<0.0197	<0.0986	<0.109	<0.0202	<0.0122	<0.0105	<0.098	<0.098	<0.0207	<0.0105	<0.0204
Phenanthrene	NS	NS	NS	<0.016	<0.0154	<0.0853	<0.0143	<0.00708	<0.00866	<0.0731	**0.112**	<0.0727	<0.0804	**0.0984**	**0.0628**	**0.2**	<0.0723	<0.0723	<0.0152	<0.00772	<0.0151
Phenol	9.8E+04	3.5E+05	—	<0.0324	<0.0313	<0.173	<0.029	<0.0143	<0.0176	<0.148	<0.0295	<0.147	<0.163	<0.0303	<0.0182	<0.0157	<0.147	<0.147	<0.0309	<0.0156	<0.0306
Pyrene	5.0E+03	2.3E+03	—	<0.0157	<0.0152	<0.0836	**0.112**	<0.00694	<0.00849	<0.0717	**0.5**	<0.0713	<0.0788	**0.165**	<0.00879	**0.368 J**	**0.577**	**0.563**	<0.015	<0.00757	<0.0148

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

— = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-G1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I2-1	BS-I3-1	BS-I3-1	BS-I3-1	BS-I3-1	G/BS-A2-1	G/BS-A2-1	G/BS-A2-1	G/BS-A3-1	G/BS-A3-1	G/BS-A3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0222	<0.011	<0.0112	<0.0123	<0.15	<0.117	<0.0115	<0.0129	<0.013	<0.0239	<0.024	<0.0241	<0.129	<0.116	<0.0233	<0.0138	<0.0228	<0.0238	<0.123
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0211	<0.0104	<0.0106	<0.0116	<0.143	<0.111	<0.011	<0.0122	<0.0124	<0.0227	<0.0228	<0.0228	<0.123	<0.11	<0.0221	<0.0131	<0.0216	<0.0225	<0.117
1,3-Dichlorobenzene	NS	NS	<0.0216	<0.0107	<0.0108	<0.0119	<0.146	<0.114	<0.0112	<0.0125	<0.0126	<0.0232	<0.0233	<0.0234	<0.125	<0.113	<0.0226	<0.0134	<0.0222	<0.0231	<0.12
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0212	<0.0105	<0.0106	<0.0117	<0.143	<0.112	<0.011	<0.0123	<0.0124	<0.0228	<0.0229	<0.023	<0.123	<0.111	<0.0222	<0.0131	<0.0217	<0.0227	<0.117
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.0308	<0.0152	<0.0155	<0.017	<0.208	<0.163	<0.016	<0.0179	<0.018	<0.0331	<0.0333	<0.0334	<0.179	<0.161	<0.0323	<0.0191	<0.0316	<0.033	<0.171
2,4,6-Tribromophenol	NS	NS	**0.598**	**0.383**	**0.466**	**0.314**	**0.303**	**0.525**	**0.425**	**0.411**	**0.304**	**0.43**	**0.382**	**0.416**	**0.458**	**0.547**	**0.6**	**0.491**	**0.556**	**0.603**	**0.535**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0229	<0.0113	<0.0115	<0.0126	<0.155	<0.121	<0.0119	<0.0133	<0.0134	<0.0246	<0.0247	<0.0248	<0.133	<0.119	<0.024	<0.0142	<0.0235	<0.0245	<0.127
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0207	<0.0102	<0.0104	<0.0114	<0.14	<0.11	<0.0108	<0.012	<0.0121	<0.0223	<0.0224	<0.0225	<0.12	<0.108	<0.0217	<0.0129	<0.0213	<0.0222	<0.115
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0186	<0.00919	<0.00934	<0.0103	<0.126	<0.0982	<0.00966	<0.0108	<0.0109	<0.02	<0.0201	<0.0202	<0.108	<0.097	<0.0195	<0.0115	<0.0191	<0.0199	<0.103
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.167	<0.0823	<0.0836	<0.0918	<1.13	<0.879	<0.0865	<0.0966	<0.0975	<0.179	<0.18	<0.181	<0.967	<0.869	<0.175	<0.103	<0.171	<0.179	<0.923
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0204	<0.0101	<0.0103	<0.0113	<0.138	<0.108	<0.0106	<0.0118	<0.012	<0.022	<0.0221	<0.0221	<0.119	<0.107	<0.0214	<0.0127	<0.021	<0.0219	<0.113
2,6-Dinitrotoluene	NS	NS	<0.0233	<0.0115	<0.0117	<0.0128	<0.158	<0.123	<0.0121	<0.0135	<0.0136	<0.0251	<0.0252	<0.0253	<0.135	<0.122	<0.0244	<0.0144	<0.0239	<0.0249	<0.129
2-Chloronaphthalene	NS	NS	<0.0125	<0.00618	<0.00628	<0.00689	<0.0846	<0.066	<0.00649	<0.00726	<0.00732	<0.0135	<0.0135	<0.0136	<0.0727	<0.0652	<0.0131	<0.00775	<0.0128	<0.0134	<0.0693
2-Chlorophenol	1.8E+03	5.8E+03	<0.0235	<0.0116	<0.0118	<0.013	<0.159	<0.124	<0.0122	<0.0136	<0.0138	<0.0253	<0.0254	<0.0255	<0.137	<0.123	<0.0247	<0.0146	<0.0242	<0.0252	<0.13
2-Fluorobiphenyl	NS	NS	**0.245**	**0.189**	**0.229**	**0.158**	**0.226**	**0.242**	**0.207**	**0.211**	**0.206**	**0.199**	**0.193**	**0.208**	**0.211**	**0.275**	**0.278**	**0.224**	**0.269**	**0.251**	**0.267**
2-Fluorophenol	NS	NS	**0.472**	**0.428**	**0.511**	**0.345**	**0.394**	**0.529**	**0.467**	**0.469**	**0.41**	**0.469**	**0.432**	**0.458**	**0.413**	**0.596**	**0.573**	**0.505**	**0.578**	**0.515**	**0.603**
2-Nitrophenol	NS	NS	<0.0254	<0.0126	<0.0128	<0.014	<0.172	<0.134	<0.0132	<0.0148	<0.0149	<0.0274	<0.0275	<0.0276	<0.148	<0.133	<0.0267	<0.0158	<0.0261	<0.0272	<0.141
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0263	<0.013	<0.0132	<0.0145	<0.178	<0.139	<0.0137	<0.0153	<0.0154	<0.0283	<0.0284	<0.0285	<0.153	<0.137	<0.0276	<0.0163	<0.027	<0.0281	<0.146
4,6-Dinitro-2-methylphenol	NS	NS	<0.161	<0.0797	<0.081	<0.089	<1.09	<0.852	<0.0838	<0.0936	<0.0945	<0.174	<0.174	<0.175	<0.938	<0.842	<0.169	<0.1	<0.166	<0.173	<0.895
4-Bromophenyl-phenylether	NS	NS	<0.025	<0.0124	<0.0126	<0.0138	<0.169	<0.132	<0.013	<0.0145	<0.0146	<0.0269	<0.027	<0.0271	<0.145	<0.13	<0.0262	<0.0155	<0.0257	<0.0268	<0.139
4-Chloro-3-methylphenol	NS	NS	<0.0231	<0.0114	<0.0116	<0.0127	<0.156	<0.122	<0.012	<0.0134	<0.0135	<0.0248	<0.025	<0.025	<0.134	<0.12	<0.0242	<0.0143	<0.0237	<0.0247	<0.128
4-Chlorophenyl-phenylether	NS	NS	<0.0248	<0.0123	<0.0125	<0.0137	<0.168	<0.131	<0.0129	<0.0144	<0.0145	<0.0267	<0.0268	<0.0269	<0.144	<0.129	<0.026	<0.0154	<0.0255	<0.0265	<0.138
4-Nitrophenol	NS	NS	<0.0222	<0.011	<0.0112	<0.0123	<0.15	<0.117	<0.0115	<0.0129	<0.013	<0.0239	<0.024	<0.0241	<0.129	<0.116	<0.0233	<0.0138	<0.0228	<0.0238	<0.123
Acenaphthene	1.0E+04	4.5E+04	<0.0115	<0.00569	<0.00579	<0.00635	<0.0779	<0.0608	<0.00598	<0.00668	<0.00674	<0.0124	<0.0125	<0.0125	<0.0669	<0.0601	<0.0121	<0.00714	<0.0119	<0.0124	<0.0639
Acenaphthylene	NS	NS	<0.01	<0.00495	<0.00503	<0.00553	<0.0678	<0.0529	<0.00521	<0.00582	<0.00587	<0.0108	<0.0108	<0.0109	<0.0582	<0.0523	<0.0105	<0.00622	<0.0103	<0.0107	<0.0556
Anthracene	5.0E+04	2.3E+05	<0.0127	<0.00626	<0.00636	<0.00699	<0.0857	<0.0669	<0.00658	<0.00735	<0.00742	<0.0137	<0.0138	<0.0138	<0.0736	<0.0661	<0.0133	<0.00786	<0.0131	<0.0136	<0.0703
Benzidine	NS	NS	<0.134	<0.0661	<0.0672	<0.0738	<0.905	<0.707	<0.0695	<0.0776	<0.0783	<0.144	<0.144	<0.145	<0.777	<0.698	<0.14	<0.083	<0.137	<0.143	<0.742
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0125	<0.0062	<0.0063	<0.00692	**0.502**	<0.0663	<0.00652	<0.00728	<0.00735	<0.0135	<0.0135	<0.0136	<0.0729	<0.0655	<0.0131	<0.00778	**0.133**	<0.0134	<0.0696
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.0133	<0.00654	<0.00664	<0.00729	**0.705**	<0.0699	<0.00687	<0.00768	<0.00775	<0.0143	<0.0143	<0.0144	<0.0769	<0.069	<0.0139	<0.0082	**0.154**	<0.0142	<0.0734
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.0133	<0.00656	<0.00667	<0.00732	**0.896**	<0.0701	<0.00689	<0.0077	<0.00777	<0.0143	<0.0143	<0.0144	<0.0771	<0.0693	<0.0139	<0.00823	**0.203**	<0.0142	<0.0736
Benzo(g,h,i)perylene	NS	NS	<0.013	<0.00643	<0.00654	<0.00718	**0.484**	<0.0687	<0.00676	<0.00755	<0.00762	<0.014	<0.0141	<0.0141	<0.0756	<0.0679	<0.0137	<0.00807	**0.131**	<0.014	<0.0722
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.0126	<0.00625	<0.00635	<0.00698	<0.0856	<0.0668	<0.00657	<0.00734	<0.00741	<0.0136	<0.0136	<0.0137	<0.0735	<0.066	<0.0132	<0.00785	<0.013	<0.0135	<0.0702
Benzylbutyl phthalate	NS	NS	<0.0222	<0.011	<0.0112	<0.0123	<0.15	<0.117	<0.0115	<0.0129	<0.013	<0.0239	<0.024	<0.0241	<0.129	<0.116	<0.0233	<0.0138	<0.0228	<0.0238	<0.123
Bis(2-chlorethoxy)methane	NS	NS	<0.0214	<0.0106	<0.0107	<0.0118	<0.145	<0.113	<0.0111	<0.0124	<0.0125	<0.023	<0.0231	<0.0232	<0.124	<0.112	<0.0224	<0.0133	<0.022	<0.0229	<0.119
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0235	<0.0116	<0.0118	<0.013	<0.159	<0.124	<0.0122	<0.0136	<0.0138	<0.0253 J4	<0.0254 J4	<0.0255 J4	<0.137	<0.123	<0.0247	<0.0146	<0.0242	<0.0252	<0.13
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.0902	<0.0446	<0.0453	<0.0497	<0.61	<0.476	<0.0469	<0.0523	<0.0528	<0.0971	<0.0975	<0.0979	<0.524	<0.471	<0.0946	<0.0559	<0.0927	<0.0966	<0.5
Chrysene	9.1E+03	2.1E+03	<0.0141	<0.00699	<0.00711	<0.0078	**0.546**	<0.0747	<0.00735	<0.00821	<0.00828	<0.0152	<0.0153	<0.0153	<0.0822	<0.0738	<0.0148	<0.00877	**0.17**	<0.0151	<0.0785
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0198	<0.00975	<0.00991	<0.0109	<0.133	<0.104	<0.0102	<0.0114	<0.0115	<0.0213	<0.0214	<0.0215	<0.115	<0.103	<0.0207	<0.0122	<0.0203	<0.0212	<0.109
Diethyl phthalate	1.5E+05	6.6E+05	<0.0235	<0.0116	<0.0118	<0.013	<0.159	<0.124	<0.0122	<0.0136	<0.0138	<0.0253	<0.0254	<0.0255	<0.137	<0.123	<0.0247	<0.0146	<0.0242	<0.0252	<0.13
Dimethyl phthalate	NS	NS	<0.151	<0.0746	<0.0758	<0.0832	<1.02	<0.797	<0.0784	<0.0876	<0.0883	<0.162	<0.163	<0.163	<0.877	<0.787	<0.158	<0.0936	<0.155	<0.161	<0.837
Di-n-butyl phthalate	NS	NS	<0.0244	<0.012	<0.0122	<0.0134	<0.165	<0.129	<0.0127	<0.0141	<0.0143	<0.0262	<0.0263	<0.0264	<0.142	<0.127	<0.0255	<0.0151	<0.025	<0.0261	<0.135
Di-n-octyl phthalate	NS	NS	<0.0481	<0.0238	<0.0241	<0.0265	<0.325	<0.254	<0.025	<0.0279	<0.0282	<0.0518	<0.052	<0.0522	<0.279	<0.251	<0.0504	<0.0298	<0.0494	<0.0515	<0.267
Fluoranthene	6.7E+03	3.0E+04	<0.0128	<0.00635	<0.00645	<0.00708	**0.821**	<0.0678	<0.00667	<0.00745	<0.00752	<0.0138	<0.0139	<0.0139	<0.0746	<0.067	<0.0134	<0.00797	**0.286**	<0.0137	<0.0712
Fluorene	6.7E+03	3.0E+04	<0.0115	<0.00572	<0.00582	<0.00639	<0.0783	<0.0612	<0.00602	<0.00672	<0.00678	<0.0124	<0.0125	<0.0125	<0.0673	<0.0605	<0.0121	<0.00718	<0.0119	<0.0124	<0.0642
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.0239	<0.0118	<0.012	<0.0132	<0.162	<0.126	<0.0124	<0.0139	<0.014	<0.0258	<0.0259	<0.026	<0.139	<0.125	<0.0251	<0.0148	<0.0246	<0.0256	<0.133
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0252	<0.0125	<0.0127	<0.0139	<0.171	<0.133	<0.0131	<0.0146	<0.0148	<0.0271	<0.0273	<0.0274	<0.147	<0.132	<0.0264	<0.0156	<0.0259	<0.027	<0.14
Hexachlorocyclopentadiene	NS	NS	<0.0374	<0.0185	<0.0188	<0.0206	<0.253	<0.198	<0.0194	<0.0217	<0.0219	<0.0403	<0.0404	<0.0406	<0.217	<0.195	<0.0392	<0.0232	<0.0384	<0.04	<0.207
Hexachloroethane	1.2E+02	7.8E+00	<0.028	<0.0138	<0.0141	<0.0154	<0.189	<0.148	<0.0145	<0.0162	<0.0164	<0.0301	<0.0303	<0.0304	<0.163	<0.146	<0.0294	<0.0174	<0.0288	<0.03	<0.155
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0201	<0.00994	<0.0101	<0.0111	<0.136	<0.106	<0.0104	<0.0117	<0.0118	<0.0216	<0.0217	<0.0218	<0.117	<0.105	<0.0211	<0.0125	**0.139**	<0.0215	<0.112
Isophorone	NS	NS	<0.0218	<0.0108	<0.0109	<0.012	<0.147	<0.115	<0.0113	<0.0127	<0.0128	<0.0235	<0.0236	<0.0237	<0.127	<0.114	<0.0229	<0.0135	<0.0224	<0.0233	<0.121
Naphthalene	4.0E+02	1.7E+01	<0.0179	<0.00883	<0.00897	<0.00985	<0.121	<0.0944	<0.00928	<0.0104	<0.0105	<0.0192	<0.0193	<0.0194	<0.104	<0.0932	<0.0187	<0.0111	**0.0881**	<0.0191	<0.0991
Nitrobenzene	NS	NS	<0.0248	<0.0123	<0.0125	<0.0137	<0.168	<0.131	<0.0129	<0.0144	<0.0145	<0.0267	<0.0268	<0.0269	<0.144	<0.129	<0.026	<0.0154	<0.0255	<0.0265	<0.138
n-Nitrosodimethylamine	NS	NS	<0.106	<0.0522	<0.053	<0.0582	<0.714	<0.558	<0.0548	<0.0613	<0.0618	<0.114	<0.114	<0.115	<0.614	<0.551	<0.111	<0.0655	<0.109	<0.113	<0.586
n-Nitrosodi-n-propylamine	NS	NS	<0.0237	<0.0117	<0.0119	<0.0131	<0.16	<0.125	<0.0123	<0.0138	<0.0139	<0.0255	<0.0257	<0.0257	<0.138	<0.124	<0.0249	<0.0147	<0.0244	<0.0254	<0.132
n-Nitrosodiphenylamine	NS	NS	<0.0539	<0.0266	<0.027	<0.0297	<0.364	<0.284	<0.028	<0.0313	<0.0315	<0.058	<0.0582	<0.0584	<0.313	<0.281	<0.0565	<0.0334	<0.0554	<0.0577	<0.299
Pentachlorophenol	2.0E+01	4.0E+00	<0.0191	<0.00946	<0.00962	<0.0106	<0.13	<0.101	<0.00995	<0.0111	<0.0112	<0.0206	<0.0207	<0.0208	<0.111	<0.0999	<0.0201	<0.0119	<0.0197	<0.0205	<0.106
Phenanthrene	NS	NS	<0.0141	<0.00698	<0.00709	<0.00779	**0.617**	<0.0746	<0.00734	<0.0082	<0.00827	<0.0152	<0.0153	<0.0153	<0.0821	<0.0737	<0.0148	<0.00876	**0.29**	<0.0151	<0.0784
Phenol	9.8E+04	3.5E+05	<0.0286	<0.0142	<0.0144	<0.0158	<0.194	<0.151	<0.0149	<0.0166	<0.0168	<0.0308	<0.031	<0.0311	<0.166	<0.149	<0.03	<0.0178	<0.0294	<0.0307	<0.159
Pyrene	5.0E+03	2.3E+03	<0.0139	<0.00684	<0.00696	<0.00764	**1.12**	<0.0732	<0.00719	<0.00804	<0.00811	<0.015	<0.015	<0.0151	<0.0805	<0.0723	<0.0146	<0.00859	**0.297**	<0.0149	<0.0768

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

--- = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/BS-D4-1	G/BS-D4-1	G/BS-D4-1	G/BS-F4-1	G/BS-F4-1	G/BS-F4-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-C1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	5.0	10.0	1.0	2.0	3.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/23/2024	5/23/2024	5/23/2024	5/21/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.11	<0.0116	<0.0116	<0.0227	<0.0246	<0.0129	<0.0128	<0.112	<0.276	<0.0136	<0.012	<0.0126 R	<0.0114 T8R	<0.0143	<0.0127	<0.0127	<0.0115	<0.0111	<0.111
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.105	<0.011	<0.011	<0.0215	<0.0233	<0.0122	<0.0121	<0.106	<0.261	<0.013	<0.0114	<0.012	<0.0108 T8	<0.0135	<0.012	<0.012	<0.0109	<0.0105	<0.105
1,3-Dichlorobenzene	NS	NS	<0.107	<0.0112	<0.0113	<0.022	<0.0239	<0.0125	<0.0124	<0.108	<0.268	<0.0133	<0.0116	<0.0122	<0.0111 T8	<0.0138	<0.0123	<0.0123	<0.0112	<0.0108	<0.108
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.105	<0.011	<0.011	<0.0216	<0.0234	<0.0123	<0.0122	<0.106	<0.263	<0.013	<0.0114	<0.012	<0.0109 T8	<0.0136	<0.0121	<0.0121	<0.011	<0.0106	<0.106
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.153	<0.016	<0.0161	<0.0314	<0.0341	<0.0179	<0.0177	<0.155	<0.382	<0.0189	<0.0166	<0.0175	<0.0158 T8	<0.0197	<0.0175	<0.0175	<0.0159	<0.0154	<0.153
2,4,6-Tribromophenol	NS	NS	**0.453**	**0.153**	**0.359**	**0.463**	**0.214**	**0.223**	**0.431**	**0.383**	**0.419 J7**	**0.313**	**0.272**	**0.277**	**0.323**	**0.302**	**0.267**	**0.302**	**0.439**	**0.388**	**0.312**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.113	<0.0119	<0.0119	<0.0233	<0.0253	<0.0133	<0.0131	<0.115	<0.284	<0.014	<0.0123	<0.013	<0.0117 T8	<0.0147	<0.013	<0.013	<0.0118	<0.0114	<0.114
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.103	<0.0108	<0.0108	<0.0212	<0.0229	<0.012	<0.0119	<0.104	<0.257	<0.0127	<0.0112	<0.0118	<0.0106 T8	<0.0133	<0.0118	<0.0118	<0.0107	<0.0104	<0.103
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0922	<0.00969	<0.0097	<0.019	<0.0206	<0.0108	<0.0107	<0.0934	<0.231	<0.0114	<0.01	<0.0106	<0.00954 T8	<0.0119	<0.0106	<0.0106	<0.00963	<0.00929	<0.0926
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.825	<0.0867	<0.0868	<0.17	<0.185	<0.0966	<0.0955	<0.837	<2.07	<0.102	<0.0898 J3	<0.0945	<0.0854 T8	<0.107	<0.0949	<0.0949	<0.0862	<0.0832	<0.829
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.101	<0.0106	<0.0106	<0.0208	<0.0226	<0.0118	<0.0117	<0.103	<0.253	<0.0125	<0.011	<0.0116	<0.0105 T8	<0.0131	<0.0116	<0.0116	<0.0106	<0.0102	<0.102
2,6-Dinitrotoluene	NS	NS	<0.115	<0.0121	<0.0121	<0.0238	<0.0258	<0.0135	<0.0134	<0.117	<0.289	<0.0143	<0.0126	<0.0132	<0.012 T8	<0.0149	<0.0133	<0.0133	<0.0121	<0.0116	<0.116
2-Chloronaphthalene	NS	NS	<0.062	<0.00651	<0.00652	<0.0128	<0.0138	<0.00726	<0.00717	<0.0628	<0.155	<0.00768	<0.00674	<0.00709	<0.00641 T8	<0.00802	<0.00712	<0.00713	<0.00647	<0.00625	<0.0623
2-Chlorophenol	1.8E+03	5.8E+03	<0.117	<0.0122	<0.0123	<0.024	<0.026	<0.0136	<0.0135	<0.118	<0.292	<0.0144	<0.0127	<0.0133	<0.0121 T8	<0.0151	<0.0134	<0.0134	<0.0122	<0.0117	<0.117
2-Fluorobiphenyl	NS	NS	**0.243**	**0.137**	**0.178**	**0.222**	**0.204**	**0.182**	**0.213**	**0.207**	**0.229 J7**	**0.205**	**0.152**	**0.15**	**0.164**	**0.169**	**0.161**	**0.135**	**0.208**	**0.176**	**0.303**
2-Fluorophenol	NS	NS	**0.498**	**0.242**	**0.38**	**0.47**	**0.357**	**0.376**	**0.478**	**0.448**	**0.351 J7**	**0.393**	**0.352**	**0.333**	**0.373**	**0.344**	**0.385**	**0.244**	**0.464**	**0.382**	**0.6**
2-Nitrophenol	NS	NS	<0.126	<0.0133	<0.0133	<0.026	<0.0282	<0.0148	<0.0146	<0.128	<0.316	<0.0156	<0.0137	<0.0144	<0.013 T8	<0.0163	<0.0145	<0.0145	<0.0132	<0.0127	<0.127
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.13	<0.0137	<0.0137	<0.0268	<0.0291	<0.0153	<0.0151	<0.132	<0.326	<0.0161	<0.0142	<0.0149	<0.0135 T8	<0.0169	<0.015	<0.015	<0.0136	<0.0131	<0.131
4,6-Dinitro-2-methylphenol	NS	NS	<0.8	<0.0841	<0.0842	<0.165	<0.179	<0.0937	<0.0926	<0.811	<2	<0.0991	<0.087	<0.0916	<0.0828 T8	<0.104	<0.092	<0.092	<0.0836	<0.0806	<0.804
4-Bromophenyl-phenylether	NS	NS	<0.124	<0.013	<0.013	<0.0255	<0.0277	<0.0145	<0.0143	<0.126	<0.31	<0.0154	<0.0135	<0.0142	<0.0128 T8	<0.016	<0.0142	<0.0143	<0.0129	<0.0125	<0.125
4-Chloro-3-methylphenol	NS	NS	<0.114	<0.012	<0.012	<0.0236	<0.0256	<0.0134	<0.0132	<0.116	<0.287	<0.0142	<0.0124 J3	<0.0131	<0.0118 T8	<0.0148	<0.0132	<0.0132	<0.012	<0.0115	<0.115
4-Chlorophenyl-phenylether	NS	NS	<0.123	<0.0129	<0.0129	<0.0253	<0.0274	<0.0144	<0.0142	<0.125	<0.308	<0.0152	<0.0134	<0.0141	<0.0127 T8	<0.0159	<0.0141	<0.0141	<0.0128	<0.0124	<0.123
4-Nitrophenol	NS	NS	<0.11	<0.0116	<0.0116	<0.0227	<0.0246	<0.0129	<0.0128	<0.112	<0.276	<0.0136	<0.012	<0.0126	<0.0114 T8	<0.0143	<0.0127	<0.0127	<0.0115	<0.0111	<0.111
Acenaphthene	1.0E+04	4.5E+04	<0.0571	<0.006	<0.00601	<0.0118	<0.0128	<0.00669	<0.00661	<0.0579	<0.143	<0.00707	<0.00621	<0.00654	<0.00591 T8	<0.00739	<0.00656	<0.00657	<0.00597	<0.00575	<0.0574
Acenaphthylene	NS	NS	<0.0497	<0.00522	<0.00523	<0.0102	<0.0111	<0.00582	<0.00575	<0.0504	<0.124	<0.00615	<0.00541	<0.00569	<0.00514 T8	<0.00643	<0.00571	<0.00571	<0.00519	<0.00501	<0.0499
Anthracene	5.0E+04	2.3E+05	**0.416**	<0.0066	**0.0599**	<0.013	**0.187**	<0.00736	<0.00727	<0.0637	<0.158	<0.00778	<0.00683	<0.00719	<0.0065 T8	<0.00813	<0.00722	**0.139**	<0.00656	<0.00633	<0.0631
Benzidine	NS	NS	<0.663	<0.0697	<0.0698	<0.136	<0.148	<0.0777 J6	<0.0768	<0.672	<1.66	<0.0821	<0.0722 J6	<0.0759	<0.0686 T8	<0.0858	<0.0762	<0.0763	<0.0693	<0.0668	<0.666
Benzo(a)anthracene	1.1E+02	2.0E+01	**1.26 J**	**0.0938 J**	**0.378 J**	<0.0128	**0.654**	<0.00728	<0.0072	<0.063	**3.37**	<0.0077	<0.00677	<0.00712	<0.00644 T8	<0.00805	<0.00715	**0.112 J**	<0.0065	<0.00627	<0.0625
Benzo(a)pyrene	1.0E+01	2.1E+00	**1.1 J**	**0.112 J**	**0.448 J**	<0.0135	**0.672**	<0.00768	<0.00759	<0.0665	**2.84**	<0.00812	<0.00713	<0.00751	<0.00679 T8	<0.00849	<0.00754	**0.145 J**	<0.00685	<0.00661	<0.0659
Benzo(b)fluoranthene	1.1E+02	2.1E+01	**1.68 J**	**0.168 J**	**0.737 J**	**0.0986**	**0.926**	<0.0077	<0.00762	<0.0667	**1.37**	<0.00815	<0.00716	<0.00753	<0.00681 T8	<0.00852	<0.00756	**0.216 J**	<0.00687	<0.00663	<0.0661
Benzo(g,h,i)perylene	NS	NS	**0.55 J**	**0.0549 J**	**0.2 J**	<0.0133	**0.44**	<0.00755	<0.00747	<0.0654	<0.162	<0.00799	<0.00702	<0.00739	<0.00668 T8	<0.00835	<0.00742	**0.109 J**	<0.00674	<0.0065	<0.0648
Benzo(k)fluoranthene	9.1E+02	2.1E+02	**0.51**	**0.0578**	**0.215**	<0.0129	**0.304**	<0.00734	<0.00726	<0.0636	<0.157	<0.00777	<0.00682	<0.00718	<0.00649 T8	<0.00812	<0.00721	**0.0646**	<0.00655	<0.00632	<0.063
Benzylbutyl phthalate	NS	NS	<0.11	<0.0116	<0.0116	<0.0227	<0.0246	<0.0129	<0.0128	<0.112	<0.276	<0.0136	<0.012	<0.0126	<0.0114 T8	<0.0143	<0.0127	<0.0127	<0.0115	<0.0111	<0.111
Bis(2-chlorethoxy)methane	NS	NS	<0.106	<0.0111	<0.0111	<0.0218	<0.0237	<0.0124	<0.0123	<0.107	<0.265	<0.0131	<0.0115	<0.0121	<0.011 T8	<0.0137	<0.0122	<0.0122	<0.0111	<0.0107	<0.106
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.117	<0.0122	<0.0123	<0.024	<0.026	<0.0136	<0.0135	<0.118	<0.292	<0.0144	<0.0127	<0.0133	<0.0121 T8	<0.0151	<0.0134	<0.0134	<0.0122	<0.0117	<0.117
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.447	<0.047	<0.047	<0.0921	<0.0998	<0.0523	<0.0518	<0.453	<1.12	<0.0554	<0.0486	<0.0512	<0.0463 T8	<0.0579	<0.0514	<0.0514	<0.0467	<0.0451	<0.449
Chrysene	9.1E+03	2.1E+03	**1.19 J**	**0.137 J**	**0.495 J**	<0.0144	**0.731**	<0.00821	<0.00812	<0.0711	**3.54**	<0.00869	<0.00763	<0.00803	<0.00726 T8	<0.00908	<0.00806	**0.113 J**	<0.00733	<0.00707	<0.0705
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0978	<0.0103	**0.0753**	<0.0202	**0.116**	<0.0114	<0.0113	<0.0991	<0.245	<0.0121	<0.0106	<0.0112	<0.0101 T8	<0.0127	<0.0112	<0.0112	<0.0102	<0.00985	<0.0983
Diethyl phthalate	1.5E+05	6.6E+05	<0.117	<0.0122	<0.0123	<0.024	<0.026	<0.0136	<0.0135	<0.118	<0.292	<0.0144	<0.0127	<0.0133	<0.0121 T8	<0.0151	<0.0134	<0.0134	<0.0122	<0.0117	<0.117
Dimethyl phthalate	NS	NS	<0.748	<0.0786	<0.0787	<0.154	<0.167	<0.0876	<0.0866	<0.758	<1.87	<0.0926	<0.0814	<0.0856	<0.0774 T8	<0.0968	<0.086	<0.086	<0.0781	<0.0754	<0.752
Di-n-butyl phthalate	NS	NS	<0.121	<0.0127	<0.0127	<0.0249	<0.027	<0.0141	<0.014	<0.122	<0.302	<0.015	<0.0131	<0.0138	<0.0125 T8	<0.0156	<0.0139	<0.0139	<0.0126	<0.0122	<0.121
Di-n-octyl phthalate	NS	NS	<0.238	<0.0251	<0.0251	<0.0491	<0.0532	<0.0279	<0.0276	<0.242	<0.597	<0.0295	<0.0259	<0.0273	<0.0247 T8	<0.0309	<0.0274	<0.0274	<0.0249	<0.024	<0.24
Fluoranthene	6.7E+03	3.0E+04	**2.88**	**0.0935**	**0.492**	**0.0909**	**1.08**	<0.00745	<0.00737	<0.0645	<0.159	<0.00789	<0.00693	<0.00729	<0.00659 T8	<0.00824	<0.00732	**0.177**	<0.00665	<0.00642	<0.064
Fluorene	6.7E+03	3.0E+04	<0.0574	<0.00604	<0.00604	<0.0118	<0.0128	<0.00672	<0.00665	<0.0582	**0.895**	<0.00711	<0.00625	<0.00657	<0.00594 T8	<0.00743	<0.0066	**0.0797**	<0.006	<0.00579	<0.0577
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.119	<0.0125	<0.0125	<0.0244	<0.0265	<0.0139	<0.0137	<0.12	<0.297	<0.0147	<0.0129	<0.0136	<0.0123 T8	<0.0154	<0.0136	<0.0136	<0.0124	<0.012	<0.119
Hexachlorobenzene	7.7E+00	7.8E-01	<0.125	<0.0131	<0.0132	<0.0257	<0.0279	<0.0146	<0.0145	<0.127	<0.313	<0.0155	<0.0136	<0.0143	<0.0129 T8	<0.0162	<0.0144	<0.0144	<0.0131	<0.0126	<0.126
Hexachlorocyclopentadiene	NS	NS	<0.185	<0.0195	<0.0195	<0.0382	<0.0414	<0.0217	<0.0215	<0.188	<0.464	<0.023	<0.0202 J6	<0.0212	<0.0192 T8	<0.024	<0.0213	<0.0213	<0.0194	<0.0187	<0.186
Hexachloroethane	1.2E+02	7.8E+00	<0.139	<0.0146	<0.0146	<0.0286	<0.031	<0.0162	<0.0161	<0.141	<0.348	<0.0172	<0.0151	<0.0159	<0.0144 T8	<0.018	<0.016	<0.016	<0.0145	<0.014	<0.139
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	**0.638 J**	**0.0688 J**	**0.255 J**	<0.0205	**0.461**	<0.0117	<0.0115	<0.101	<0.249	<0.0123	<0.0108	<0.0114	<0.0103 T8	<0.0129	<0.0115	**0.112**	<0.0104	<0.01	<0.1
Isophorone	NS	NS	<0.108	<0.0114	<0.0114	<0.0223	<0.0241	<0.0127	<0.0125	<0.11	<0.271	<0.0134	<0.0118	<0.0124	<0.0112 T8	<0.014	<0.0124	<0.0124	<0.0113	<0.0109	<0.109
Naphthalene	4.0E+02	1.7E+01	<0.0886	<0.00931	**0.0607**	<0.0182	<0.0198	<0.0104	<0.0103	<0.0898	**5.57**	<0.011	<0.00964	<0.0101	<0.00917 T8	<0.0115	<0.0102	**0.392**	<0.00925	<0.00893	<0.089
Nitrobenzene	NS	NS	<0.123	<0.0129	<0.0129	<0.0253	<0.0274	<0.0144	<0.0142	<0.125	<0.308	<0.0152	<0.0134	<0.0141	<0.0127 T8	<0.0159	<0.0141	<0.0141	<0.0128	<0.0124	<0.123
n-Nitrosodimethylamine	NS	NS	<0.523	<0.055	<0.0551	<0.108	<0.117	<0.0613	<0.0606	<0.531	<1.31	<0.0648	<0.0569	<0.0599	<0.0542 T8	<0.0677	<0.0602	<0.0602	<0.0547	<0.0527	<0.526
n-Nitrosodi-n-propylamine	NS	NS	<0.118	<0.0124	<0.0124	<0.0242	<0.0263	<0.0138	<0.0136	<0.119	<0.295	<0.0146	<0.0128	<0.0135	<0.0122 T8	<0.0152	<0.0135	<0.0135	<0.0123	<0.0119	<0.118
n-Nitrosodiphenylamine	NS	NS	<0.267	<0.0281	<0.0281	<0.055	<0.0596	<0.0313	<0.0309	<0.271	<0.669	<0.0331	<0.029	<0.0306	<0.0276 T8	<0.0346	<0.0307	<0.0307	<0.0279	<0.0269	<0.268
Pentachlorophenol	2.0E+01	4.0E+00	<0.0949	<0.00998	<0.00999	<0.0195	<0.0212	<0.0111	<0.011	<0.0962	<0.237	<0.0118	<0.0103	<0.0109	<0.00982 T8	<0.0123	<0.0109	<0.0109	<0.00992	<0.00957	<0.0954
Phenanthrene	NS	NS	**1.72**	<0.00736	**0.227**	<0.0144	**0.673**	<0.0082	<0.00811	<0.071	**2.35**	<0.00867	<0.00762	<0.00802	<0.00725 T8	<0.00906	<0.00805	**0.174**	<0.00732	<0.00706	<0.0704
Phenol	9.8E+04	3.5E+05	<0.142	<0.0149	**0.448**	<0.0292	<0.0317	<0.0166	<0.0164	<0.144	<0.356	<0.0176	<0.0154 J3J6	<0.0163	<0.0147 T8	<0.0184	<0.0163	<0.0163	<0.0148	<0.0143	<0.143
Pyrene	5.0E+03	2.3E+04	**1.99 J**	**0.11 J**	**0.471 J**	**0.0781**	**1.31**	<0.00804	<0.00795	<0.0696	**2.19**	<0.0085	<0.00747	<0.00786	<0.0071 T8	<0.00889	<0.00789	**0.164 J**	<0.00717	<0.00692	<0.069

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

— = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-C1-1	G/UC-C1-1	G/UC-C4-1	G/UC-C4-1	G/UC-C4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H4-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0	8.0	1.0	2.0	3.0	4.0	8.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/21/2024	5/21/2024	5/22/2024	5/22/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.113	<0.116	<0.0119	<0.012	<0.123	<0.0111	<0.0238	<0.0235	<0.026	<0.0132	<0.0122	<0.0276	<0.0138	<0.0125	<0.118	<0.0116	<0.0137	<0.0137	<0.135
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.107	<0.11	<0.0113	<0.0114	<0.117	<0.0105	<0.0225	<0.0223	<0.0246	<0.0125	<0.0116	<0.0262	<0.0131	<0.0119	<0.112	<0.011	<0.013	<0.013	<0.128
1,3-Dichlorobenzene	NS	NS	<0.109	<0.112	<0.0116	<0.0117	<0.12	<0.0108	<0.0231	<0.0229	<0.0253	<0.0128	<0.0119	<0.0268	<0.0134	<0.0122	<0.115	<0.0112	<0.0133	<0.0133	<0.131
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.107	<0.11	<0.0114	<0.0115	<0.117	<0.0106	<0.0226	<0.0224	<0.0248	<0.0126	<0.0117	<0.0263	<0.0132	<0.0119	<0.113	<0.011	<0.0131	<0.013	<0.128
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.156	<0.16	<0.0165	<0.0167	<0.171	<0.0154	<0.0329	<0.0326	<0.036	<0.0183	<0.0169	<0.0382	<0.0191	<0.0173	<0.164	<0.016	<0.019	<0.019	<0.187
2,4,6-Tribromophenol	NS	NS	**0.485**	**0.422**	**0.254**	**0.311**	**0.402**	**0.362**	**0.478**	**0.24**	**0.336**	**0.41**	**0.569**	**0.48**	**0.303**	**0.321**	**0.75**	**0.41**	**0.406**	**0.25**	**0.439**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.116	<0.119	<0.0123	<0.0124	<0.127	<0.0114	<0.0244	<0.0242	<0.0268	<0.0136	<0.0126	<0.0284	<0.0142	<0.0129	<0.122	<0.0119	<0.0141	<0.0141	<0.139
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.105	<0.108	<0.0111	<0.0112	<0.115	<0.0103	<0.0222	<0.022	<0.0243	<0.0123	<0.0114	<0.0258	<0.0129	<0.0117	<0.11	<0.0108	<0.0128	<0.0128	<0.126
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0942	<0.0967	<0.00997	<0.0101	<0.103	<0.00928	<0.0199	<0.0197	<0.0218	<0.011	<0.0102	<0.0231	<0.0116	<0.0105	<0.099	<0.00967	<0.0115	<0.0115	<0.113
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.843	<0.866	<0.0893	<0.0901	<0.923	<0.0831	<0.178	<0.177	<0.195	<0.0987	<0.0916	<0.207	<0.104	<0.0938	<0.887	<0.0866	<0.103	<0.103	<1.01
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.103	<0.106	<0.0109	<0.0111	<0.113	<0.0102	<0.0218	<0.0216	<0.0239	<0.0121	<0.0112	<0.0254	<0.0127	<0.0115	<0.109	<0.0106	<0.0126	<0.0126	<0.124
2,6-Dinitrotoluene	NS	NS	<0.118	<0.121	<0.0125	<0.0126	<0.129	<0.0116	<0.0249	<0.0247	<0.0273	<0.0138	<0.0128	<0.0289	<0.0145	<0.0131	<0.124	<0.0121	<0.0144	<0.0144	<0.141
2-Chloronaphthalene	NS	NS	<0.0633	<0.065	<0.0067	<0.00677	<0.0693	<0.00624	<0.0134	<0.0132	<0.0146	<0.00741	<0.00688	<0.0155	<0.00778	<0.00704	<0.0666	<0.0065	<0.00772	<0.0077	<0.0758
2-Chlorophenol	1.8E+03	5.8E+03	<0.119	<0.122	<0.0126	<0.0127	<0.13	<0.0117	<0.0251	<0.0249	<0.0275	<0.0139	<0.0129	<0.0292	<0.0146	<0.0132	<0.125	<0.0122	<0.0145	<0.0145	<0.143
2-Fluorobiphenyl	NS	NS	**0.263**	**0.242**	**0.21**	**0.19**	**0.209**	**0.19**	**0.201**	**0.197**	**0.189**	**0.202**	**0.22**	**0.237**	**0.188**	**0.211**	**0.406 J1**	**0.2**	**0.215**	**0.168**	**0.191**
2-Fluorophenol	NS	NS	**0.569**	**0.563**	**0.408**	**0.325**	**0.47**	**0.427**	**0.407**	**0.395**	**0.362**	**0.455**	**0.457**	**0.52**	**0.361**	**0.387**	**0.853 J1**	**0.464**	**0.466**	**0.313**	**0.398**
2-Nitrophenol	NS	NS	<0.129	<0.132	<0.0136	<0.0138	<0.141	<0.0127	<0.0272	<0.0269	<0.0298	<0.0151	<0.014	<0.0316	<0.0158	<0.0143	<0.135	<0.0132	<0.0157	<0.0157	<0.154
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.133	<0.137	<0.0141	<0.0142	<0.146	<0.0131	<0.0281	<0.0278	<0.0308	<0.0156	<0.0145	<0.0327	<0.0163	<0.0148	<0.14	<0.0137	<0.0162	<0.0162	<0.159
4,6-Dinitro-2-methylphenol	NS	NS	<0.817	<0.839	<0.0865	<0.0874	<0.894	<0.0805	<0.172	<0.171	<0.189	<0.0957	<0.0888	<0.2	<0.1	<0.0909	<0.86	<0.0839	<0.0997	<0.0994	<0.979
4-Bromophenyl-phenylether	NS	NS	<0.127	<0.13	<0.0134	<0.0135	<0.139	<0.0125	<0.0267	<0.0265	<0.0293	<0.0148	<0.0138	<0.0311	<0.0156	<0.0141	<0.133	<0.013	<0.0154	<0.0154	<0.152
4-Chloro-3-methylphenol	NS	NS	<0.117	<0.12	<0.0124	<0.0125	<0.128	<0.0115	<0.0247	<0.0244	<0.027	<0.0137	<0.0127	<0.0287	<0.0144	<0.013	<0.123	<0.012	<0.0143	<0.0142	<0.14
4-Chlorophenyl-phenylether	NS	NS	<0.126	<0.129	<0.0133	<0.0134	<0.137	<0.0124	<0.0265	<0.0263	<0.029	<0.0147	<0.0136	<0.0308	<0.0154	<0.014	<0.132	<0.0129	<0.0153	<0.0153	<0.15
4-Nitrophenol	NS	NS	<0.113	<0.116	<0.0119	<0.012	<0.123	<0.0111	<0.0238	<0.0235	<0.026	<0.0132	<0.0122	<0.0276	<0.0138	<0.0125	<0.118	<0.0116	<0.0137	<0.0137	<0.135
Acenaphthene	1.0E+04	4.5E+04	<0.0583	<0.0599	<0.00618	<0.00624	<0.0638	<0.00575	<0.0123	<0.0122	<0.0135	<0.00683	<0.00634	<0.0143	<0.00716	<0.00649	<0.0614	<0.00599	<0.00712	<0.0071	<0.0699
Acenaphthylene	NS	NS	<0.0508	<0.0521	<0.00537	<0.00543	<0.0556	<0.005	<0.0107	<0.0106	**0.171**	<0.00594	<0.00552	<0.0125	<0.00623	<0.00565	<0.0534	<0.00521	<0.00619	<0.00618	<0.0608
Anthracene	5.0E+04	2.3E+05	<0.0642	<0.0659	<0.0068	<0.00686	<0.0702	<0.00632	<0.0136	<0.0135	**0.199**	<0.00752	<0.00698	<0.0158	<0.00788	<0.00714	<0.0675	<0.00659	<0.00783	<0.00781	<0.0769
Benzidine	NS	NS	<0.677	<0.696	<0.0717	<0.0724	<0.741	<0.0668	<0.143	<0.141	<0.156	<0.0793	<0.0736	<0.166 J3J6	<0.0832	<0.0754	<0.713	<0.0696	<0.0826	<0.0824	<0.812
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0635	<0.0653	**0.342**	**0.157**	<0.0695	<0.00626	<0.0134	<0.0132	**0.929**	<0.00744	<0.00691	<0.0155	<0.0078	<0.00707	<0.0668	<0.00653	<0.00775	**0.054**	<0.0761
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.067	<0.0688	**0.534**	**0.25**	<0.0733	<0.0066	<0.0142	<0.014	**1.12**	<0.00785	<0.00728	<0.0165	<0.00823	<0.00745	<0.0705	<0.00688	<0.00817	**0.0582**	<0.0802
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.0672	<0.069	**0.834**	**0.358**	<0.0736	<0.00662	**0.0864**	<0.014	**1.28**	<0.00787	<0.00731	<0.0165	<0.00825	<0.00748	**0.499**	<0.0069	<0.0082	**0.0862**	<0.0805
Benzo(g,h,i)perylene	NS	NS	<0.0659	<0.0677	**0.408**	**0.2**	<0.0721	<0.00649	<0.0139	<0.0138	**0.622**	<0.00772	<0.00716	<0.0162	<0.00809	<0.00733	<0.0693	<0.00677	<0.00804	<0.00802	<0.0789
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.0641	<0.0658	**0.228**	**0.107**	<0.0701	<0.00631	<0.0135	<0.0134	**0.46**	<0.0075	<0.00696	<0.0157	<0.00787	<0.00713	<0.0674	<0.00658	<0.00782	<0.0078	<0.0767
Benzylbutyl phthalate	NS	NS	<0.113	<0.116	<0.0119	<0.012	<0.123	<0.0111	<0.0238	<0.0235	<0.026	<0.0132	<0.0122	<0.0276	<0.0138	<0.0125	<0.118	<0.0116	<0.0137	<0.0137	<0.135
Bis(2-chlorethoxy)methane	NS	NS	<0.108	<0.111	<0.0115	<0.0116	<0.118	<0.0107	<0.0228	<0.0226	<0.025	<0.0127	<0.0118	<0.0266	<0.0133	<0.012	<0.114	<0.0111	<0.0132	<0.0132	<0.13
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.119	<0.122	<0.0126	<0.0127	<0.13	<0.0117 J4	<0.0251	<0.0249	<0.0275	<0.0139	<0.0129	<0.0292	<0.0146	<0.0132	<0.125 J4	<0.0122 J4	<0.0145 J4	<0.0145	<0.143
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.457	<0.469	<0.0484	<0.0488	<0.5	<0.045	<0.0964	<0.0955	<0.106	<0.0535	<0.0496	<0.112	<0.0561	<0.0508	<0.48	<0.0469	<0.0557	<0.0556	<0.547
Chrysene	9.1E+03	2.1E+03	<0.0716	<0.0736	**0.393**	**0.174**	<0.0784	<0.00706	<0.0151	<0.0149	**1.2**	<0.00839	<0.00779	<0.0175	<0.0088	<0.00797	<0.0754	<0.00736	<0.00874	**0.0545**	<0.0858
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0999	<0.103	**0.112**	**0.0467**	<0.109	<0.00984	<0.0211	<0.0209	**0.18**	<0.0117	<0.0109	<0.0246	<0.0123	<0.0111	<0.105	<0.0103	<0.0122	<0.0122	<0.12
Diethyl phthalate	1.5E+05	6.6E+05	<0.119	<0.122	<0.0126	<0.0127	<0.13	<0.0117	<0.0251	<0.0249	<0.0275	<0.0139	<0.0129	<0.0292	<0.0146	<0.0132	<0.125	<0.0122	<0.0145	<0.0145	<0.143
Dimethyl phthalate	NS	NS	<0.764	<0.785	<0.0809	<0.0817	<0.836	<0.0753	<0.161	<0.16	<0.176	<0.0895	<0.0831	<0.187	<0.0938	<0.085	<0.804	<0.0785	<0.0932	<0.093	<0.915
Di-n-butyl phthalate	NS	NS	<0.123	<0.127	<0.0131	<0.0132	<0.135	<0.0122	<0.026	<0.0258	<0.0285	<0.0144	<0.0134	<0.0303	<0.0152	<0.0137	<0.13	<0.0127	<0.0151	<0.015	<0.148
Di-n-octyl phthalate	NS	NS	<0.244	<0.25	<0.0258	<0.026	<0.267	<0.024	<0.0514	<0.0509	<0.0563	<0.0285	<0.0265	<0.0597	<0.0299	<0.0271	<0.256	<0.025	<0.0297	<0.0296	<0.292
Fluoranthene	6.7E+03	3.0E+04	<0.065	<0.0668	**0.376**	**0.19**	<0.0712	<0.00641	**0.0868**	<0.0136	**1.41**	<0.00762	<0.00707	<0.0159	<0.00799	<0.00724	**0.385**	<0.00668	<0.00793	**0.0764**	<0.0779
Fluorene	6.7E+03	3.0E+04	<0.0587	<0.0603	<0.00621	<0.00627	<0.0642	<0.00578	<0.0123	<0.0122	<0.0135	<0.00687	<0.00638	<0.0143	<0.0072	<0.00653	<0.0617	<0.00603	<0.00716	<0.00714	<0.0703
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.121	<0.125	<0.0128	<0.013	<0.133	<0.0119	<0.0256	<0.0254	<0.028	<0.0142	<0.0132	<0.0297	<0.0149	<0.0135	<0.128	<0.0125	<0.0148	<0.0147	<0.145
Hexachlorobenzene	7.7E+00	7.8E-01	<0.128	<0.131	<0.0135	<0.0137	<0.14	<0.0126	<0.027	<0.0267	<0.0295	<0.015	<0.0139	<0.0313	<0.0157	<0.0142	<0.134	<0.0131	<0.0156	<0.0155	<0.153
Hexachlorocyclopentadiene	NS	NS	<0.189	<0.195	<0.0201	<0.0203	<0.207	<0.0187	<0.04	<0.0396	<0.0438	<0.0222	<0.0206	<0.0465	<0.0233	<0.0211	<0.199	<0.0195	<0.0231	<0.023	<0.227
Hexachloroethane	1.2E+02	7.8E+00	<0.142	<0.146	<0.015	<0.0152	<0.155	<0.014	<0.0299	<0.0297	<0.0328	<0.0166	<0.0154	<0.0348	<0.0174	<0.0158	<0.149	<0.0146	<0.0173	<0.0172	<0.17
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.102	<0.105	**0.434**	**0.218**	<0.111	<0.01	<0.0215	<0.0213	**0.669**	<0.0119	<0.0111	<0.025	<0.0125	<0.0113	<0.107	<0.0105	<0.0124	<0.0124	<0.122
Isophorone	NS	NS	<0.11	<0.113	<0.0117	<0.0118	<0.121	<0.0109	<0.0233	<0.0231	<0.0255	<0.0129	<0.012	<0.0271	<0.0136	<0.0123	<0.116	<0.0113	<0.0135	<0.0134	<0.132
Naphthalene	4.0E+02	1.7E+01	<0.0905	<0.0929	**0.176**	**0.184**	**0.52**	<0.00892	<0.0191	<0.0189	<0.0209	<0.0106	<0.00983	<0.0222	<0.0111	<0.0101	<0.0952	<0.00929	<0.011	**0.111**	<0.108
Nitrobenzene	NS	NS	<0.126	<0.129	<0.0133	<0.0134	<0.137	<0.0124	<0.0265	<0.0263	<0.029	<0.0147	<0.0136	<0.0308	<0.0154	<0.014	<0.132	<0.0129	<0.0153	<0.0153	<0.15
n-Nitrosodimethylamine	NS	NS	<0.535	<0.549	<0.0566	<0.0572	<0.585	<0.0527	<0.113	<0.112	<0.124	<0.0626	<0.0581	<0.131	<0.0657	<0.0595	<0.562	<0.0549	<0.0652	<0.065	<0.64
n-Nitrosodi-n-propylamine	NS	NS	<0.12	<0.123	<0.0127	<0.0128	<0.131	<0.0118	<0.0254	<0.0251	<0.0278	<0.0141	<0.0131	<0.0295	<0.0148	<0.0134	<0.126	<0.0123	<0.0147	<0.0146	<0.144
n-Nitrosodiphenylamine	NS	NS	<0.273	<0.28	<0.0289	<0.0292	<0.298	<0.0269	<0.0576	<0.057	<0.063	<0.0319	<0.0296	<0.0669	<0.0335	<0.0303	<0.287	<0.028	<0.0333	<0.0332	<0.327
Pentachlorophenol	2.0E+01	4.0E+00	<0.097	<0.0996	<0.0103	<0.0104	<0.106	<0.00956	<0.0204	<0.0203	<0.0224	<0.0114	<0.0105	<0.0238	<0.0119	<0.0108	<0.102	<0.00996	<0.0118	<0.0118	<0.116
Phenanthrene	NS	NS	<0.0715	<0.0735	**0.127**	**0.105**	<0.0783	<0.00705	<0.0151	<0.0149	**0.806**	<0.00838	<0.00778	<0.0175	<0.00879	<0.00796	<0.0753	<0.00735	<0.00873	**0.0841**	<0.0857
Phenol	9.8E+04	3.5E+05	<0.145	<0.149	<0.0154	<0.0155	<0.159	<0.0143	<0.0306	<0.0303	<0.0335	<0.017	<0.0158	<0.0356	<0.0178	<0.0161	<0.153	<0.0149	<0.0177	<0.0176	<0.174
Pyrene	5.0E+03	2.3E+03	<0.0701	<0.072	**0.392**	**0.19**	<0.0768	<0.00691	**0.0987**	<0.0147	**1.66**	<0.00821	<0.00762	<0.0173	<0.00861	<0.0078	**0.417**	<0.0072	<0.00855	**0.0783**	<0.084

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

--- = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1	G-B2-1	G-B2-1	G-B2-1	G-B3-1	G-B3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	4.0	8.0	1.0	2.0	3.0	4.0	8.0	1.0	2.0	3.0	1.0	2.0	3.0	5.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0232	<0.0132	<0.0124	<0.026	<0.0139	<0.012	<0.0114	<0.0124	<0.0254	<0.0128	<0.116	<0.116	<0.0114	<0.0112	<0.0113 R	<0.0113 R	<0.0128	<0.0125	<0.0118 R
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0219	<0.0125	<0.0118	<0.0246	<0.0132	<0.0114	<0.0108	<0.0118	<0.024	<0.0122	<0.11	<0.11	<0.0108	<0.0106	<0.0107	<0.0107	<0.0122	<0.0119	<0.0112
1,3-Dichlorobenzene	NS	NS	<0.0225	<0.0128	<0.0121	<0.0252	<0.0135	<0.0117	<0.0111	<0.0121	<0.0246	<0.0125	<0.113	<0.113	<0.011	<0.0109	<0.011	<0.011	<0.0125	<0.0122	<0.0114
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0221	<0.0126	<0.0119	<0.0247	<0.0133	<0.0114	<0.0109	<0.0119	<0.0242	<0.0122	<0.111	<0.111	<0.0108	<0.0107	<0.0108	<0.0108	<0.0122	<0.012	<0.0112
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.0321	<0.0182	<0.0172	<0.036	<0.0193	<0.0166	<0.0158	<0.0172	<0.0351	<0.0178	<0.161	<0.161	<0.0157	<0.0155	<0.0157	<0.0157	<0.0178	<0.0174	<0.0163
2,4,6-Tribromophenol	NS	NS	**0.501**	**0.389**	**0.394**	**0.306**	**0.281**	**0.413**	**0.419**	**0.432**	**0.363**	**0.274**	**0.495**	**1.08**	**0.577**	**0.252**	**0.295**	**0.282**	**0.323**	**0.297**	**0.303**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0238	<0.0136	<0.0128	<0.0267	<0.0143	<0.0124	<0.0118	<0.0128	<0.0261	<0.0132	<0.119	<0.119	<0.0117	<0.0115	<0.0117	<0.0116	<0.0132	<0.0129	<0.0121
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0216	<0.0123	<0.0116	<0.0242	<0.013	<0.0112	<0.0107	<0.0116	<0.0237	<0.012	<0.108	<0.108	<0.0106	<0.0104	<0.0106	<0.0105	<0.012	<0.0117	<0.011
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0194	<0.011	<0.0104	<0.0217	<0.0117	<0.01	<0.00956	<0.0104	<0.0212	<0.0107	<0.0971	<0.0971	<0.00951	<0.00936	<0.00947	<0.00946	<0.0107	<0.0105	<0.00985
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.174	<0.0987	<0.0932	<0.195	<0.104	<0.0899	<0.0856	<0.0932	<0.19 J3J6	<0.0962	<0.869	<0.869 J6	<0.0852	<0.0838	<0.0848	<0.0847	<0.0962	<0.094	<0.0882
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0213	<0.0121	<0.0114	<0.0239	<0.0128	<0.011	<0.0105	<0.0114	<0.0233	<0.0118	<0.107	<0.107	<0.0104	<0.0103	<0.0104	<0.0104	<0.0118	<0.0115	<0.0108
2,6-Dinitrotoluene	NS	NS	<0.0243	<0.0138	<0.013	<0.0272	<0.0146	<0.0126	<0.012	<0.013	<0.0266	<0.0135	<0.122	<0.122	<0.0119	<0.0117	<0.0119	<0.0119	<0.0135	<0.0131	<0.0123
2-Chloronaphthalene	NS	NS	<0.013	<0.00741	<0.007	<0.0146	<0.00784	<0.00675	<0.00643	<0.007	<0.0143	<0.00723	<0.0653	<0.0653	<0.0064	<0.00629	<0.00637	<0.00636	<0.00722	<0.00706	<0.00662
2-Chlorophenol	1.8E+03	5.8E+03	<0.0245	<0.0139	<0.0132	<0.0275	<0.0147	<0.0127	<0.0121	<0.0132	<0.0268	<0.0136	<0.123	<0.123	<0.012	<0.0118	<0.012	<0.012	<0.0136	<0.0133	<0.0125
2-Fluorobiphenyl	NS	NS	**0.236**	**0.197**	**0.206**	**0.206**	**0.184**	**0.189**	**0.215**	**0.21**	**0.221**	**0.184**	**0.308**	**0.508**	**0.28**	**0.144**	**0.164**	**0.151**	**0.168**	**0.161**	**0.159**
2-Fluorophenol	NS	NS	**0.462**	**0.416**	**0.472**	**0.368**	**0.346**	**0.439**	**0.469**	**0.469**	**0.428**	**0.364**	**0.669**	**1.12**	**0.615**	**0.327**	**0.37**	**0.354**	**0.387**	**0.362**	**0.367**
2-Nitrophenol	NS	NS	<0.0265	<0.0151	<0.0142	<0.0297	<0.0159	<0.0137	<0.0131	<0.0142	<0.029	<0.0147	<0.133	<0.133	<0.013	<0.0128	<0.013	<0.0129	<0.0147	<0.0144	<0.0135
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0274	<0.0156	<0.0147	<0.0307	<0.0165	<0.0142	<0.0135	<0.0147	<0.03	<0.0152	<0.137	<0.137	<0.0134	<0.0132	<0.0134	<0.0134	<0.0152	<0.0148	<0.0139
4,6-Dinitro-2-methylphenol	NS	NS	<0.168	<0.0956	<0.0903	<0.189	<0.101	<0.0872	<0.0829	<0.0903	<0.184	<0.0933	<0.843	<0.842	<0.0826	<0.0812	<0.0822	<0.0821	<0.0932	<0.0911	<0.0855
4-Bromophenyl-phenylether	NS	NS	<0.0261	<0.0148	<0.014	<0.0292	<0.0157	<0.0135	<0.0129	<0.014	<0.0286	<0.0145	<0.131	<0.131	<0.0128	<0.0126	<0.0127	<0.0127	<0.0144	<0.0141	<0.0132
4-Chloro-3-methylphenol	NS	NS	<0.0241	<0.0137	<0.0129	<0.027	<0.0145	<0.0125	<0.0119	<0.0129	<0.0264	<0.0133	<0.121	<0.121	<0.0118	<0.0116	<0.0118	<0.0117	<0.0133	<0.013	<0.0122
4-Chlorophenyl-phenylether	NS	NS	<0.0258	<0.0147	<0.0139	<0.029	<0.0155	<0.0134	<0.0127	<0.0139	<0.0283	<0.0143	<0.129	<0.129	<0.0127	<0.0125	<0.0126	<0.0126	<0.0143	<0.014	<0.0131
4-Nitrophenol	NS	NS	<0.0232	<0.0132	<0.0124	<0.026	<0.0139	<0.012	<0.0114	<0.0124	<0.0254	<0.0128	<0.116	<0.116	<0.0114	<0.0112	<0.0113	<0.0113	<0.0128	<0.0125	<0.0118
Acenaphthene	1.0E+04	4.5E+04	<0.012	<0.00683	<0.00645	<0.0135	<0.00722	<0.00622	<0.00592	<0.00645	<0.0132	<0.00666	<0.0602	<0.0601	<0.00589	<0.0058	<0.00587	<0.00586	<0.00666	<0.0065	<0.0061
Acenaphthylene	NS	NS	<0.0104	<0.00594	<0.00561	<0.0117	<0.00629	<0.00542	<0.00515	<0.00561	<0.0114	<0.00579	<0.0523	<0.0523	<0.00513	<0.00505	<0.00511	<0.0051	<0.00579	<0.00566	<0.00531
Anthracene	5.0E+04	2.3E+05	<0.0133	<0.00751	<0.00709	<0.0149	<0.00795	<0.00685	<0.00651	<0.00709	<0.0145	<0.00733	<0.0662	<0.0662	<0.00648	<0.00638	<0.00646	<0.00645	<0.00732	<0.00715	<0.00672
Benzidine	NS	NS	<0.139	<0.0793	<0.0749	<0.156	<0.0839	<0.0723	<0.0688	<0.0749	<0.153	<0.0773	<0.699	<0.698	<0.0684	<0.0674	<0.0682	<0.0681	<0.0773	<0.0755	<0.0709
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.013	<0.00743	<0.00702	<0.0146	<0.00787	<0.00678	<0.00645	<0.00702	<0.0143	<0.00725	<0.0655	<0.0655	<0.00642	<0.00632	<0.00639	<0.00638	<0.00725	<0.00708	<0.00665
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.0138	<0.00784	<0.0074	<0.0155	<0.0083	<0.00715	<0.0068	<0.0074	<0.0151	<0.00765	<0.0691	<0.0691	<0.00677	<0.00666	<0.00674	<0.00673	<0.00764	<0.00747	<0.00701
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.0138	<0.00786	<0.00743	<0.0155	<0.00832	<0.00717	<0.00682	<0.00743	<0.0151	<0.00767	<0.0693	<0.0693	<0.00679	<0.00668	<0.00676	<0.00675	<0.00767	<0.00749	<0.00703
Benzo(g,h,i)perylene	NS	NS	<0.0136	<0.00771	<0.00728	<0.0152	<0.00816	<0.00703	<0.00669	<0.00728	<0.0149	<0.00752	<0.068	<0.0679	<0.00666	<0.00655	<0.00663	<0.00662	<0.00752	<0.00735	<0.0069
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.0131	<0.0075	<0.00708	<0.0147	<0.00793	<0.00684	<0.0065	<0.00708	<0.0144	<0.00731	<0.0661	<0.0661	<0.00647	<0.00637	<0.00645	<0.00644	<0.00731	<0.00714	<0.0067
Benzylbutyl phthalate	NS	NS	<0.0232	<0.0132	<0.0124	<0.026	<0.0139	<0.012	<0.0114	<0.0124	<0.0254	<0.0128	<0.116	<0.116	<0.0114	<0.0112	<0.0113	<0.0113	<0.0128	<0.0125	<0.0118
Bis(2-chlorethoxy)methane	NS	NS	<0.0223	<0.0127	<0.012	<0.025	<0.0134	<0.0115	<0.011	<0.012	<0.0244	<0.0124	<0.112	<0.112	<0.0109	<0.0108	<0.0109	<0.0109	<0.0123	<0.0121	<0.0113
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0245	<0.0139	<0.0132	<0.0275	<0.0147	<0.0127	<0.0121	<0.0132	<0.0268	<0.0136	<0.123	<0.123	<0.012	<0.0118	<0.012	<0.012	<0.0136	<0.0133	<0.0125
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.094	<0.0534	<0.0505	<0.105	<0.0566	<0.0487	<0.0464	<0.0505	<0.103	<0.0521	<0.471	<0.471	<0.0461	<0.0454	<0.046	<0.0459	<0.0521	<0.0509	<0.0478
Chrysene	9.1E+03	2.1E+03	<0.0147	<0.00838	<0.00792	<0.0165	<0.00887	<0.00764	<0.00727	<0.00792	<0.0161	<0.00818	<0.0739	<0.0739	<0.00724	<0.00712	<0.00721	<0.0072	<0.00817	<0.00799	<0.0075
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0206	<0.0117	<0.011	<0.0231	<0.0124	<0.0107	<0.0101	<0.011	<0.0226	<0.0114	<0.103	<0.103	<0.0101	<0.00993	<0.0101	<0.01	<0.0114	<0.0111	<0.0105
Diethyl phthalate	1.5E+05	6.6E+05	<0.0245	<0.0139	<0.0132	<0.0275	<0.0147	<0.0127	<0.0121	<0.0132	<0.0268	<0.0136	<0.123	<0.123	<0.012	<0.0118	<0.012	<0.012	<0.0136	<0.0133	<0.0125
Dimethyl phthalate	NS	NS	<0.157	<0.0894	<0.0844	<0.176	<0.0946	<0.0815	<0.0776	<0.0844	<0.172	<0.0872	<0.788	<0.788	<0.0772	<0.076	<0.0769	<0.0768	<0.0872	<0.0852	<0.0799
Di-n-butyl phthalate	NS	NS	<0.0254	<0.0144	<0.0136	<0.0285	<0.0153	<0.0132	<0.0125	<0.0136	<0.0278	<0.0141	<0.127	<0.127	<0.0125	<0.0123	<0.0124	<0.0124	<0.0141	<0.0138	<0.0129
Di-n-octyl phthalate	NS	NS	<0.0501	<0.0285	<0.0269	<0.0562	<0.0302	<0.026	<0.0247	<0.0269	<0.0549	<0.0278	<0.251	<0.251 J5	<0.0246	<0.0242	<0.0245	<0.0245	<0.0278	<0.0271	<0.0255
Fluoranthene	6.7E+03	3.0E+04	<0.0134	<0.00761	<0.00719	<0.015	<0.00805	<0.00694	<0.0066	<0.00719	<0.0146	<0.00742	<0.0671	<0.0671	<0.00657	<0.00647	<0.00654	<0.00653	<0.00742	<0.00725	<0.00681
Fluorene	6.7E+03	3.0E+04	<0.012	<0.00686	<0.00648	<0.0135	<0.00726	<0.00626	<0.00595	<0.00648	<0.0132	<0.0067	<0.0605	<0.0605	<0.00593	<0.00583	<0.0059	<0.00589	<0.00669	<0.00654	<0.00614
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.025	<0.0142	<0.0134	<0.028	<0.015	<0.0129	<0.0123	<0.0134	<0.0273	<0.0138	<0.125	<0.125	<0.0122	<0.0121	<0.0122	<0.0122	<0.0138	<0.0135	<0.0127
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0263	<0.0149	<0.0141	<0.0295	<0.0158	<0.0136	<0.013	<0.0141	<0.0288	<0.0146	<0.132	<0.132	<0.0129	<0.0127	<0.0128	<0.0128	<0.0146	<0.0142	<0.0134
Hexachlorocyclopentadiene	NS	NS	<0.039	<0.0222	<0.0209	<0.0437	<0.0235	<0.0202	<0.0192	<0.0209	<0.0427 J3J6	<0.0216	<0.195	<0.195 J3J6	<0.0191	<0.0188	<0.0191	<0.019	<0.0216	<0.0211	<0.0198
Hexachloroethane	1.2E+02	7.8E+00	<0.0292	<0.0166	<0.0157	<0.0327	<0.0176	<0.0151	<0.0144	<0.0157	<0.032	<0.0162	<0.146	<0.146	<0.0143	<0.0141	<0.0143	<0.0142	<0.0162	<0.0158	<0.0148
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0209	<0.0119	<0.0113	<0.0235	<0.0126	<0.0109	<0.0103	<0.0113	<0.0229	<0.0116	<0.105	<0.105	<0.0103	<0.0101	<0.0102	<0.0102	<0.0116	<0.0114	<0.0107
Isophorone	NS	NS	<0.0227	<0.0129	<0.0122	<0.0255	<0.0137	<0.0118	<0.0112	<0.0122	<0.0249	<0.0126	<0.114	<0.114	<0.0112	<0.011	<0.0111	<0.0111	<0.0126	<0.0123	<0.0116
Naphthalene	4.0E+02	1.7E+01	<0.0186	<0.0106	<0.01	<0.0209	<0.0112	<0.00965	<0.00918	<0.01	<0.0204	<0.0103	<0.0933	<0.0933	<0.00914	<0.00899	<0.0091	<0.00909	<0.0103	<0.0101	<0.00947
Nitrobenzene	NS	NS	<0.0258	<0.0147	<0.0139	<0.029	<0.0155	<0.0134	<0.0127	<0.0139	<0.0283	<0.0143	<0.129	<0.129	<0.0127	<0.0125	<0.0126	<0.0126	<0.0143	<0.014	<0.0131
n-Nitrosodimethylamine	NS	NS	<0.11	<0.0626	<0.0591	<0.123	<0.0662	<0.057	<0.0543	<0.0591	<0.121	<0.061	<0.551	<0.551 J6	<0.054	<0.0532	<0.0538	<0.0537	<0.061	<0.0596	<0.0559
n-Nitrosodi-n-propylamine	NS	NS	<0.0247	<0.0141	<0.0133	<0.0277	<0.0149	<0.0128	<0.0122	<0.0133	<0.0271	<0.0137	<0.124	<0.124	<0.0121	<0.0119	<0.0121	<0.0121	<0.0137	<0.0134	<0.0126
n-Nitrosodiphenylamine	NS	NS	<0.0561	<0.0319	<0.0301	<0.063	<0.0338	<0.0291	<0.0277	<0.0301	<0.0615	<0.0311	<0.281	<0.281	<0.0276	<0.0271	<0.0274	<0.0274	<0.0311	<0.0304	<0.0285
Pentachlorophenol	2.0E+01	4.0E+00	<0.0199	<0.0113	<0.0107	<0.0224	<0.012	<0.0103	<0.00984	<0.0107	<0.0218	<0.0111	<0.1	<0.1	<0.0098	<0.00964	<0.00976	<0.00974	<0.0111	<0.0108	<0.0101
Phenanthrene	NS	NS	<0.0147	<0.00837	<0.0079	<0.0165	<0.00886	<0.00763	<0.00726	<0.0079	<0.0161	<0.00817	<0.0738	<0.0738	<0.00723	<0.00711	<0.0072	<0.00719	<0.00816	<0.00797	<0.00749
Phenol	9.8E+04	3.5E+05	<0.0299	<0.017	<0.016	<0.0335	<0.018	<0.0155	<0.0147	<0.016	<0.0327	<0.0166	<0.15	<0.15	<0.0147	<0.0144	<0.0146	<0.0146	<0.0165	<0.0162	<0.0152
Pyrene	5.0E+03	2.3E+04	<0.0145	<0.00821	<0.00775	<0.0162	<0.00868	<0.00748	<0.00712	<0.00775	<0.0159	<0.008	<0.0723	<0.0723	<0.00709	<0.00697	<0.00706	<0.00705	<0.008	<0.00782	<0.00734

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

--- = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

TB = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-B3-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-D1-1	G-D1-1	G-D1-1	G-D2-1	G-D2-1	G-D2-1	G-D3-1	G-D3-1	G-D3-1	G-E1-1	G-E1-1	G-E1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024	5/22/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0131 R	<0.114	<0.112 R	<0.221	<0.112	<0.0125 R	<0.111	<0.227	<0.116	<0.124	<0.0241	<0.124	<0.0229	<0.0123	<0.0127	<0.0128	<0.119	<0.119	<0.123
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0124	<0.108	<0.107	<0.209	<0.107	<0.0118	<0.105	<0.215	<0.11	<0.118	<0.0228	<0.118	<0.0217	<0.0116	<0.012	<0.0121	<0.113	<0.113	<0.117
1,3-Dichlorobenzene	NS	NS	<0.0127	<0.11	<0.109	<0.214	<0.109	<0.0121	<0.107	<0.221	<0.112	<0.121	<0.0234	<0.121	<0.0223	<0.0119	<0.0123	<0.0124	<0.115	<0.115	<0.12
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0125	<0.108	<0.107	<0.21	<0.107	<0.0119	<0.105	<0.216	<0.11	<0.119	<0.0229	<0.119	<0.0218	<0.0117	<0.0121	<0.0122	<0.113	<0.113	<0.117
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.0181	<0.157	<0.155	<0.305	<0.155	<0.0173	<0.153	<0.314	<0.16	<0.172	<0.0333	<0.172	<0.0317	<0.017	<0.0175	<0.0177	<0.164	<0.165	<0.171
2,4,6-Tribromophenol	NS	NS	**0.279**	**0.422**	**0.391**	**0.695 J7**	**0.414**	**0.437**	**0.512**	**0.486 J7**	**0.485**	**0.323**	**0.564**	**0.659**	**0.614**	**0.378**	**0.416**	**0.431**	**0.463**	**0.517**	**0.465**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0135	<0.117	<0.115	<0.227	<0.115	<0.0128	<0.114	<0.234	<0.119	<0.128	<0.0248	<0.128	<0.0236	<0.0126	<0.013	<0.0132	<0.122	<0.122	<0.127
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0122	<0.106	<0.105	<0.206	<0.105	<0.0116	<0.103	<0.212	<0.108	<0.116	<0.0224	<0.116	<0.0214	<0.0114	<0.0118	<0.0119	<0.111	<0.111	<0.115
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0109	<0.095	<0.0939	<0.185	<0.0939	<0.0104	<0.0925	<0.19	<0.0967	<0.104	<0.0201	<0.104	<0.0192	<0.0103	<0.0106	<0.0107	<0.0993	<0.0994	<0.103
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.098	<0.85	<0.841	<1.65	<0.841	<0.0935	<0.829	<1.7	<0.866	<0.932	<0.181	<0.932	<0.172	<0.0919	<0.0948	<0.0958	<0.889	<0.89	<0.923
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.012	<0.104	<0.103	<0.203	<0.103	<0.0115	<0.102	<0.209	<0.106	<0.114	<0.0221	<0.114	<0.021	<0.0113	<0.0116	<0.0117	<0.109	<0.109	<0.113
2,6-Dinitrotoluene	NS	NS	<0.0137	<0.119	<0.118	<0.231	<0.118	<0.0131	<0.116	<0.238	<0.121	<0.13	<0.0252	<0.13	<0.024	<0.0129	<0.0133	<0.0134	<0.124	<0.125	<0.129
2-Chloronaphthalene	NS	NS	<0.00736	<0.0638	<0.0631	<0.124	<0.0631	<0.00702	<0.0622	<0.128	<0.065	<0.07	<0.0135	<0.07	<0.0129	<0.0069	<0.0071 2	<0.00719	<0.0668	<0.0668	<0.0693
2-Chlorophenol	1.8E+03	5.8E+03	<0.0138	<0.12	<0.119	<0.233	<0.119	<0.0132	<0.117	<0.24	<0.122	<0.132	<0.0255	<0.132	<0.0242	<0.013	<0.0134	<0.0135	<0.126	<0.126	<0.13
2-Fluorobiphenyl	NS	NS	**0.163**	**0.237**	**0.237**	**0.329 J7**	**0.253**	**0.211**	**0.261**	**0.233 J7**	**0.22**	**0.229**	**0.204**	**0.246**	**0.197**	**0.175**	**0.179**	**0.183**	**0.236**	**0.243**	**0.256**
2-Fluorophenol	NS	NS	**0.381**	**0.512**	**0.486**	**0.726 J7**	**0.482**	**0.439**	**0.542**	**0.553 J7**	**0.512**	**0.422**	**0.481**	**0.535**	**0.458**	**0.351**	**0.373**	**0.361**	**0.504**	**0.457**	**0.517**
2-Nitrophenol	NS	NS	<0.015	<0.13	<0.128	<0.252	<0.128	<0.0143	<0.127	<0.26	<0.132	<0.142	<0.0275	<0.142	<0.0262	<0.014	<0.0145	<0.0146	<0.136	<0.136	<0.141
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0155	<0.134	<0.133	<0.261	<0.133	<0.0148	<0.131	<0.269	<0.137	<0.147	<0.0285	<0.147	<0.0271	<0.0145	<0.015	<0.0151	<0.14	<0.141	<0.146
4,6-Dinitro-2-methylphenol	NS	NS	<0.095	<0.824	<0.815	<1.6	<0.815	<0.0906	<0.803	<1.65	<0.839	<0.904	<0.175	<0.904	<0.166	<0.0891	<0.0919	<0.0928	<0.862	<0.863	<0.895
4-Bromophenyl-phenylether	NS	NS	<0.0147	<0.128	<0.126	<0.248	<0.126	<0.014	<0.124	<0.256	<0.13	<0.14	<0.0271	<0.14	<0.0258	<0.0138	<0.0142	<0.0144	<0.134	<0.134	<0.139
4-Chloro-3-methylphenol	NS	NS	<0.0136	<0.118	<0.117	<0.229	<0.117	<0.013	<0.115	<0.236	<0.12	<0.129	<0.025	<0.129	<0.0238	<0.0127	<0.0131	<0.0133	<0.123	<0.123	<0.128
4-Chlorophenyl-phenylether	NS	NS	<0.0146	<0.127	<0.125	<0.246	<0.125	<0.0139	<0.123	<0.253	<0.129	<0.139	<0.0268	<0.139	<0.0256	<0.0137	<0.0141	<0.0143	<0.132	<0.133	<0.137
4-Nitrophenol	NS	NS	<0.0131	<0.114	<0.112	<0.221	<0.112	<0.0125	<0.111	<0.227	<0.116	<0.124	<0.0241	<0.124	<0.0229	<0.0123	<0.0127	<0.0128	<0.119	<0.119	<0.123
Acenaphthene	1.0E+04	4.5E+04	<0.00678	<0.0588	<0.0582	<0.115	<0.0582	<0.00647	<0.0573	<0.118	<0.0599	<0.0645	<0.0125	<0.0645	<0.0119	<0.00636	<0.00656	<0.00663	<0.0615	<0.0616	<0.0639
Acenaphthylene	NS	NS	<0.0059	<0.0512	<0.0506	<0.0995	<0.0506	<0.00563	<0.0499	<0.102	<0.0521	<0.0561	<0.0109	<0.0561	<0.0103	<0.00554	<0.00571	<0.00577	<0.0535	<0.0536	<0.0556
Anthracene	5.0E+04	2.3E+05	<0.00746	<0.0647	<0.064	<0.126	<0.064	<0.00712	<0.0631	<0.13	<0.0659	<0.071	<0.0138	<0.071	<0.0131	<0.007	<0.00722	<0.00729	<0.0677	<0.0678	<0.0703
Benzidine	NS	NS	<0.0788	<0.683	<0.676	<1.33	<0.676	<0.0751	<0.666	<1.36	<0.696	<0.749	<0.145	<0.749	<0.138	<0.0739	<0.0762 J6	<0.077	<0.714	<0.715	<0.742
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.00739	<0.0641	<0.0634	<0.124	<0.0634	<0.00705	<0.0624	<0.128	<0.0652	**0.403**	**0.465**	**2.93**	**0.533**	<0.00693	**0.129 J3**	<0.00722	<0.067	**0.608**	**1.36**
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.00779	<0.0676	<0.0668	<0.132	<0.0668	<0.00743	<0.0658	<0.135	<0.0688	**0.522**	**0.555**	**3.82**	**0.53**	<0.00731	**0.151 J3**	<0.00761	<0.0706	**0.704**	**1.55**
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.00781	<0.0678	<0.067	<0.132	<0.067	<0.00745	<0.0661	<0.135	**0.48**	**0.706**	**0.778**	**5.64**	**0.865**	<0.00733	**0.206 J3**	<0.00763	**0.427**	**1.13**	**2.39**
Benzo(g,h,i)perylene	NS	NS	<0.00766	<0.0665	<0.0657	<0.129	<0.0657	<0.00731	<0.0648	<0.133	<0.0677	<0.0729	**0.318**	**1.59**	**0.388**	<0.00719	**0.118 J3**	<0.00749	<0.0695	**0.481**	**1.1**
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.00745	<0.0646	<0.0639	<0.125	<0.0639	<0.00711	<0.063	<0.129	<0.0658	<0.0709	**0.246**	**1.62**	**0.278**	<0.00699	**0.0623**	<0.00728	<0.0676	<0.0676	**0.738**
Benzylbutyl phthalate	NS	NS	<0.0131	<0.114	<0.112	<0.221	<0.112	<0.0125	<0.111	<0.227	<0.116	<0.124	<0.0241	<0.124	<0.0229	<0.0123	<0.0127	<0.0128	<0.119	<0.119	<0.123
Bis(2-chlorethoxy)methane	NS	NS	<0.0126	<0.109	<0.108	<0.212	<0.108	<0.012	<0.106	<0.218	<0.111	<0.12	<0.0231	<0.12	<0.022	<0.0118	<0.0122	<0.0123	<0.114	<0.114	<0.119
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0138	<0.12	<0.119	<0.233	<0.119	<0.0132	<0.117	<0.24	<0.122	<0.132	<0.0255	<0.132	<0.0242	<0.013	<0.0134	<0.0135	<0.126	<0.126	<0.13
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.0531	<0.461	<0.455	<0.895	<0.455	<0.0507	<0.449	<0.922	<0.469	<0.505	<0.0977	<0.505	<0.093	<0.0498	<0.0514	<0.0519	<0.482	<0.482	<0.5
Chrysene	9.1E+03	2.1E+03	<0.00833	<0.0723	<0.0715	<0.14	<0.0714	<0.00795	<0.0704	<0.144	<0.0736	**0.567**	**0.785**	**4.85**	**0.835**	<0.00781	**0.193 J3**	<0.00814	<0.0755	**0.961**	**2.09**
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.0116	<0.101	<0.0996	<0.196	<0.0996	<0.0111	<0.0982	<0.202	<0.103	<0.11	**0.103**	**0.593**	**0.138**	<0.0109	<0.0112	<0.0113	<0.105	<0.105	<0.109
Diethyl phthalate	1.5E+05	6.6E+05	<0.0138	<0.12	<0.119	<0.233	<0.119	<0.0132	<0.117	<0.24	<0.122	<0.132	<0.0255	<0.132	<0.0242	<0.013	<0.0134	<0.0135	<0.126	<0.126	<0.13
Dimethyl phthalate	NS	NS	<0.0888	<0.771	<0.762	<1.5	<0.762	<0.0848	<0.751	<1.54	<0.784	<0.845	<0.163	<0.845	<0.155	<0.0833	<0.0859	<0.0868	<0.806	<0.807	<0.837
Di-n-butyl phthalate	NS	NS	<0.0143	<0.124	<0.123	<0.242	<0.123	<0.0137	<0.121	<0.249	<0.127	<0.136	<0.0264	<0.136	<0.0251	<0.0135	<0.0139	<0.014	<0.13	<0.13	<0.135
Di-n-octyl phthalate	NS	NS	<0.0283	<0.246	<0.243	<0.477	<0.243	<0.027	<0.239	<0.491	<0.25	<0.269	<0.0521	<0.269	<0.0496	<0.0266	<0.0274	<0.0277	<0.257	<0.257	<0.267
Fluoranthene	6.7E+03	3.0E+04	<0.00756	<0.0656	<0.0649	<0.127	<0.0649	<0.00721	<0.0639	<0.131	<0.0668	<0.0719	**0.466**	**3.03**	**0.599**	<0.00709	**0.119**	<0.00739	<0.0686	**0.604**	**1.22**
Fluorene	6.7E+03	3.0E+04	<0.00682	<0.0592	<0.0585	<0.115	<0.0585	<0.00651	<0.0577	<0.118	<0.0602	<0.0649	<0.0125	**0.433**	<0.0119	<0.0064	<0.0066	<0.00666	<0.0619	<0.0619	<0.0642
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.0141	<0.122	<0.121	<0.238	<0.121	<0.0134	<0.119	<0.245	<0.124	<0.134	<0.0259	<0.134	<0.0247	<0.0132	<0.0136	<0.0138	<0.128	<0.128	<0.133
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0148	<0.129	<0.127	<0.25	<0.127	<0.0142	<0.126	<0.258	<0.131	<0.141	<0.0273	<0.141	<0.026	<0.0139	<0.0144	<0.0145	<0.135	<0.135	<0.14
Hexachlorocyclopentadiene	NS	NS	<0.022	<0.191	<0.189	<0.371	<0.189	<0.021	<0.186	<0.382	<0.194	<0.209	<0.0405	<0.209	<0.0386	<0.0207	<0.0213 J3J6	<0.0215	<0.2	<0.2	<0.207
Hexachloroethane	1.2E+02	7.8E+00	<0.0165	<0.143	<0.141	<0.278	<0.141	<0.0157	<0.139	<0.286	<0.146	<0.157	<0.0303	<0.157	<0.0289	<0.0155	<0.0159	<0.0161	<0.149	<0.15	<0.155
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0118	<0.103	<0.102	<0.199	<0.102	<0.0113	<0.1	<0.205	<0.105	<0.113	**0.343**	**1.78**	**0.376**	<0.0111	**0.129 J3**	<0.0116	<0.107	**0.471**	**1.27**
Isophorone	NS	NS	<0.0128	<0.111	<0.11	<0.216	<0.11	<0.0122	<0.108	<0.223	<0.113	<0.122	<0.0236	<0.122	<0.0225	<0.012	<0.0124	<0.0125	<0.116	<0.117	<0.121
Naphthalene	4.0E+02	1.7E+01	<0.0105	<0.0912	<0.0902	<0.177	<0.0902	<0.01	<0.0889	<0.182	<0.0929	<0.1	<0.0193	<0.1	<0.0184	<0.00987	<0.0102	<0.0103	<0.0954	<0.0955	<0.0991
Nitrobenzene	NS	NS	<0.0146	<0.127	<0.125	<0.246	<0.125	<0.0139	<0.123	<0.253	<0.129	<0.139	<0.0268	<0.139	<0.0256	<0.0137	<0.0141	<0.0143	<0.132	<0.133	<0.137
n-Nitrosodimethylamine	NS	NS	<0.0622	<0.539	<0.533	<1.05	<0.533	<0.0593	<0.525	<1.08	<0.549	<0.591	<0.114	<0.591	<0.109	<0.0583	<0.0601	<0.0607	<0.564	<0.564	<0.585
n-Nitrosodi-n-propylamine	NS	NS	<0.014	<0.121	<0.12	<0.235	<0.12	<0.0133	<0.118	<0.242	<0.123	<0.133	<0.0257	<0.133	<0.0245	<0.0131	<0.0135	<0.0136	<0.127	<0.127	<0.132
n-Nitrosodiphenylamine	NS	NS	<0.0317	<0.275	<0.272	<0.535	<0.272	<0.0303	<0.268	<0.55	<0.28	<0.302	<0.0583	<0.302	<0.0555	<0.0297	<0.0307	<0.031	<0.288	<0.288	<0.299
Pentachlorophenol	2.0E+01	4.0E+00	<0.0113	<0.0978	<0.0967	<0.19	<0.0967	<0.0108	<0.0953	<0.195	<0.0996	<0.107	<0.0207	<0.107	<0.0197	<0.0106	<0.0109	<0.011	<0.102	<0.102	<0.106
Phenanthrene	NS	NS	<0.00832	<0.0721	<0.0713	<0.14	<0.0713	<0.00793	<0.0703	<0.144	<0.0734	<0.0791	**0.133**	**1.15**	**0.127**	<0.0078	**0.0555**	<0.00813	<0.0754	<0.0755	<0.0783
Phenol	9.8E+04	3.5E+05	<0.0169	<0.146	<0.145	<0.284	<0.145	<0.0161	<0.143	<0.293	<0.149	<0.16	<0.031	<0.16	<0.0295	<0.0158	<0.0163	<0.0165	<0.153	<0.153	<0.159
Pyrene	5.0E+03	2.3E+04	<0.00815	<0.0707	<0.0699	<0.138	<0.0699	<0.00778	<0.0689	<0.142	<0.072	**0.622**	**0.686**	**4.37**	**0.657**	<0.00765	**0.153 J3**	<0.00797	<0.0739	**0.684**	**1.49**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

— = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-E1-1	G-E2-1	G-E2-1	G-E2-1	G-E3-1	G-E3-1	G-E3-1	G-F1-1	G-F1-1	G-F1-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F2-1	G-F3-1	G-F3-1	G-F3-1	G-G1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	4.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	5.0	1.0	2.0	3.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/29/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.554	<0.012	<0.0119	<0.0118	<2.42	<0.0125	<0.025	<0.0243	<0.0276	<0.0278	<0.0124	<2.34	<0.123	<0.257	<0.274	<0.0545	<0.0139	<0.0142	<0.0245
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.527	<0.0114	<0.0113	<0.0112	<2.29	<0.0119	<0.0237	<0.0231	<0.0261	<0.0263	<0.0118	<2.22	<0.116	<0.243	<0.26	<0.0517	<0.0132	<0.0135	<0.0232
1,3-Dichlorobenzene	NS	NS	<0.538	<0.0116	<0.0116	<0.0115	<2.35	<0.0122	<0.0243	<0.0236	<0.0268	<0.027	<0.0121	<2.28	<0.119	<0.249	<0.266	<0.0529	<0.0135	<0.0138	<0.0238
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.529	<0.0114	<0.0114	<0.0113	<2.3	<0.0119	<0.0238	<0.0232	<0.0263	<0.0264	<0.0118	<2.23	<0.117	<0.244	<0.261	<0.052	<0.0133	<0.0135	<0.0233
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.768	<0.0166	<0.0165	<0.0164	<3.35	<0.0174	<0.0346	<0.0337	<0.0382	<0.0385	<0.0172	<3.24	<0.17	<0.356	<0.38 J3J6	<0.0754	<0.0193	<0.0196	<0.0339
2,4,6-Tribromophenol	NS	NS	**0.33 J7**	**0.324**	**0.371**	**0.37**	**0.361 J7**	**0.381**	**0.452**	**0.419**	**0.429**	**0.418**	**0.371**	**J7**	**0.253**	**0.532 J7**	**0.444 J7**	**0.344**	**0.239**	**0.395**	**0.453**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.57	<0.0123	<0.0123	<0.0122	<2.49	<0.0129	<0.0257	<0.025	<0.0284	<0.0286	<0.0128	<2.41	<0.126	<0.264	<0.282	<0.056	<0.0143	<0.0146	<0.0252
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.517	<0.0112	<0.0111	<.011	<2.26	<0.0117	<0.0233	<0.0227	<0.0257	<0.0259	<0.0116	<2.19	<0.114	<0.24	<0.256 J3	<0.0508	<.013	<0.0132	<0.0228
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.464	<0.01	<0.00997	<0.00991	<2.02	<0.0105	<0.0209	<0.0204	<0.0231	<0.0232	<0.0104	<1.96	<0.102	<0.215	<0.229 J5	<0.0456	<0.0116	<0.0119	<0.0205
2,4-Dinitrophenol	7.1E+02	2.3E+03	<4.16	<0.0896	<0.0893	<0.0887	<18.1	<0.0939	<0.187	<0.183	<0.207	<0.208	<0.093	<17.6	<0.918	<1.93	<2.06 J6	<0.407	<.104	<0.106	<0.184
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.509	<.011	<0.0109	<0.0109	<2.22	<0.0115	<0.0229	<0.0224	<0.0253	<0.0255	<0.0114	<2.15	<0.112	<0.236	<0.252	<0.0501	<0.0128	<0.013	<0.0225
2,6-Dinitrotoluene	NS	NS	<0.581	<0.0125	<0.0125	<0.0124	<2.53	<0.0131	<0.0262	<0.0255	<0.0289	<0.0291	<0.013	<2.46	<0.128	<0.269	<0.287	<0.0571	<0.0146	<0.0149	<0.0256
2-Chloronaphthalene	NS	NS	<0.312	<0.00673	<0.00671	<0.00666	<1.36	<0.00705	<0.014	<0.0137	<0.0155	<0.0156	<0.00699	<1.32	<0.0689	<0.144	<0.154	<0.0307	<0.00783	<0.00798	<0.0138
2-Chlorophenol	1.8E+03	5.8E+03	<0.586	<0.0127	<0.0126	<0.0125	<2.56	<0.0133	<0.0264	<0.0257	<0.0292	<0.0294	<0.0131	<2.48	<0.13	<0.272	<0.29	<0.0576	<0.0147	<0.015	<0.0259
2-Fluorobiphenyl	NS	NS	**0.222 J7**	**0.134**	**0.181**	**0.18**	**0.202 J7**	**0.145**	**0.205**	**0.197**	**0.209**	**0.211**	**0.179**	**0.3 J7**	**0.204**	**0.336 J7**	**0.312 J7**	**0.143**	**0.105**	**0.171**	**0.215**
2-Fluorophenol	NS	NS	**0.522 J7**	**0.265**	**0.4**	**0.4**	**0.303 J7**	**0.271**	**0.465**	**0.441**	**0.456**	**0.462**	**0.342**	**J7**	**0.393**	**J7**	**0.522 J7**	**0.284**	**0.226**	**0.309**	**0.448**
2-Nitrophenol	NS	NS	<0.634	<0.0137	<0.0136	<0.0135	<2.77	<0.0143	<0.0286	<0.0279	<0.0316	<0.0318	<0.0142	<2.68	<0.14	<0.294	<0.314 J5	<0.0623	<0.0159	<0.0162	<0.028
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.656	<0.0141	<0.0141	<0.014	<2.86 [1]	<0.0148	<0.0295	<0.0288	<0.0326	<0.0329	<0.0147	<2.77 [1]	<0.145	<0.304	<0.324	<0.0644	<0.0165	<0.0168	<0.0289
4,6-Dinitro-2-methylphenol	NS	NS	<4.03	<0.0868	<0.0866	<0.086	<17.6	<0.091	<0.181	<0.177	<0.2	<0.202	<0.0902	<17	<0.889	<1.86	<1.99	<0.396	<.101	<0.103	<0.178
4-Bromophenyl-phenylether	NS	NS	<0.624	<0.0135	<0.0134	<0.0133	<2.72	<0.0141	<0.0281	<0.0274	<0.031	<0.0312	<0.014	<2.64	<0.138	<0.289	<0.308	<0.0613	<0.0157	<0.016	<0.0275
4-Chloro-3-methylphenol	NS	NS	<0.576	<0.0124	<0.0124	<0.0123	<2.51	<0.013	<0.0259	<0.0253	<0.0286	<0.0288	<0.0129	<2.43	<0.127	<0.267	<0.285	<0.0566	<0.0145	<0.0147	<0.0254
4-Chlorophenyl-phenylether	NS	NS	<0.618	<0.0133	<0.0133	<0.0132	<2.7	<0.014	<0.0279	<0.0272	<0.0308	<0.031	<0.0139	<2.61	<0.137	<0.286	<0.306	<0.0608	<0.0155	<0.0158	<0.0273
4-Nitrophenol	NS	NS	<0.554	<0.012	<0.0119	<0.0118	<2.42	<0.0125	<0.025	<0.0243	<0.0276	<0.0278	<0.0124	<2.34	<0.123	<0.257	<0.274	<0.0545	<0.0139	<0.0142	<0.0245
Acenaphthene	1.0E+04	4.5E+04	<0.288	<0.0062	<0.00618	<0.00614	<1.26	<0.00649	<0.013	<0.0126	<0.0143	<0.0144	**0.0688**	<1.22	<0.0635	<0.133	<0.142	<0.0282	<0.00722	<0.00735	**0.0907**
Acenaphthylene	NS	NS	<0.249	<0.00539	<0.00538	<0.00534	<1.09	<0.00565	<0.0113	<0.011	<0.0124	<0.0125	**0.0738**	<1.06	<0.0552	<0.116	<0.124	<0.0245	<0.00628	<0.0064	**0.249**
Anthracene	5.0E+04	2.3E+05	<0.317	<0.00682	<0.0068	<0.00675	<1.38	<0.00715	<0.0143	<0.0139	<0.0158	<0.0159	**0.195**	<1.34	<0.0699	<0.147	<0.157	<0.0311	<0.00794	<0.00809	**0.489**
Benzidine	NS	NS	<3.34	<0.072	<0.0718	<0.0713	<14.5	<0.0754	<0.15	<0.146	<0.166	<0.167 J3J6	<0.0747	<14.1	<0.737	<1.54	<1.65 J5	<0.328	<0.0838	<0.0854	<0.147
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.312	<0.00675	<0.00673	<0.00668	<1.36	<0.00707	**0.102**	**0.118**	**0.111**	**0.168**	**0.617**	**14.5**	**7.4**	**1.73**	<0.154	<0.0307	<0.00786	<0.00801	**2.61**
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.329	<0.00712	<0.0071	<0.00705	<1.44	<0.00746	**0.119**	**0.198**	**0.137**	**0.211**	**0.731**	**20**	**10.9**	**2.19**	<0.163	<0.0324	<0.00829	<0.00844	**2.86**
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.332	<0.00714	<0.00712	<0.00707	<1.44	<0.00748	**0.196**	**0.249**	**0.229**	**0.304**	**1.03**	**25.9**	**14.1**	**4.25**	<0.163	<0.0326	<0.00832	<0.00847	**3.25**
Benzo(g,h,i)perylene	NS	NS	<0.325	<0.007	<0.00698	<0.00693	<1.42	<0.00734	**0.0933**	**0.151**	**0.11**	**0.158**	**0.295**	**13.1**	**7.02**	**1.53**	<0.161	<0.0319	<0.00815	<0.00831	**1.34**
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.316	<0.00681	<0.00679	<0.00674	<1.37	<0.00713	<0.0142	<0.0138	<0.0157	**0.094**	**0.371**	**8.52**	**5.11**	**1.37**	<0.156	<0.031	<0.00793	<0.00808	**1.1**
Benzylbutyl phthalate	NS	NS	<0.554	<0.012	<0.0119	<0.0118	<2.42	<0.0125	<0.025	<0.0243	<0.0276	<0.0278	<0.0124	<2.34	<0.123	<0.257	<0.274	<0.0545	<0.0139	<0.0142	<0.0245
Bis(2-chlorethoxy)methane	NS	NS	<0.533	<0.0115	<0.0115	<0.0114	<2.33	<0.012	<0.024	<0.0234	<0.0265	<0.0267	<0.0119	<2.25	<0.118	<0.247	<0.264	<0.0524	<0.0134	<0.0136	<0.0235
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.586 [1]	<0.0127	<0.0126	<0.0125	<2.56 [1]	<0.0133	<0.0264	<0.0257	<0.0292	<0.0294	<0.0131	<2.48 [1]	<0.13	<0.272	<0.29 J3J5J6	<0.0576	<0.0147	<0.015	<0.0259
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<2.25	<0.0485	<0.0484	<0.048	<9.81	<0.0508	<0.101	<0.0988	<0.112	<0.113	<0.0504	<9.51	<0.497	<1.04	<1.11 J6	<0.221	<0.0565	<0.0576	<0.0993
Chrysene	9.1E+03	2.1E+03	<0.353	<0.00761	<0.00759	<0.00754	<1.53	<0.00798	**0.144**	**0.166**	**0.195**	**0.26**	**0.742**	**22.6**	**12.5**	**3.49**	<0.174	<0.0347	<0.00886	<0.00903	**3.14**
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.493	<0.0106	<0.0106	<0.0105	<2.15 [1]	<0.0111	<0.0222	<0.0217	<0.0245	<0.0247	**0.09**	<2.08	**2.21**	<0.228	<0.244	<0.0484	<0.0124	<0.0126	**0.416**
Diethyl phthalate	1.5E+05	6.6E+05	<0.586	<0.0127	<0.0126	<0.0125	<2.56	<0.0133	<0.0264	<0.0257	<0.0292	<0.0294	<0.0131	<2.48	<0.13	<0.272	<0.29	<0.0576	<0.0147	<0.015	<0.0259
Dimethyl phthalate	NS	NS	<3.76	<0.0812	<0.0809	<0.0804	<16.4	<0.0851	<0.169	<0.165	<0.187	<0.188	<0.0843	<15.9	<0.832	<1.74	<1.86	<0.37	<0.0945	<0.0963	<0.166
Di-n-butyl phthalate	NS	NS	<0.608	<0.0131	<0.0131	<0.013	<2.65	<0.0137	<0.0274	<0.0267	<0.0302	<0.0304	<0.0136	<2.57	<0.134	<0.281	<0.301	<0.0597	<0.0153	<0.0156	<0.0268
Di-n-octyl phthalate	NS	NS	<1.2	<0.0259	<0.0258	<0.0256	<5.23	<0.0271	<0.054	<0.0527	<0.0597	<0.0601	<0.0269	<5.07	<0.265	<0.556	<0.593	<0.118	<0.0301	<0.0307	<0.0529
Fluoranthene	6.7E+03	3.0E+04	<0.321	<0.00691	<0.00689	**0.0491**	<1.4	<0.00724	**0.244**	**0.133**	**0.131**	**0.219**	**1.07**	**14.8**	**5.51**	**1.26**	<0.158	<0.0315	<0.00805	<0.0082	**5.25**
Fluorene	6.7E+03	3.0E+04	<0.289	<0.00623	<0.00621	<0.00617	<1.26	<0.00653	<0.013	<0.0126	<0.0143	<0.0144	**0.158**	<1.22	<0.0638	<0.133	<0.142	<0.0284	<0.00726	<0.00739	**0.153**
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.597	<0.0129	<0.0128	<0.0128	<2.6	<0.0135	<0.0269	<0.0262	<0.0297	<0.0299	<0.0134	<2.52	<0.132	<0.277	<0.295	<0.0587	<.015	<0.0153	<0.0264
Hexachlorobenzene	7.7E+00	7.8E-01	<0.629	<0.0136	<0.0135	<0.0134	<2.74 [1]	<0.0142	<0.0283	<0.0276	<0.0313	<0.0315	<0.0141	<2.66 [1]	<0.139	<0.291	<0.311	<0.0618	<0.0158	<0.0161	<0.0278
Hexachlorocyclopentadiene	NS	NS	<0.933	<0.0201	<0.0201	<0.0199	<4.07	<0.0211	<0.042	<0.041	<0.0464	<0.0467 J6	<0.0209	<3.94	<0.206	<0.432	<0.461 J6	<0.0917	<0.0234	<0.0239	<0.0412
Hexachloroethane	1.2E+02	7.8E+00	<0.698	<0.0151	<0.015	<0.0149	<3.05	<0.0158	<0.0315	<0.0307	<0.0347	<0.035	<0.0156	<2.95	<0.154	<0.323	<0.345 J5	<0.0686	<0.0175	<0.0179	<0.0308
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.502	<0.0108	<0.0108	<0.0107	<2.19	<0.0113	**0.0878**	**0.153**	**0.107**	**0.199**	**0.338**	**13**	**6.76**	**1.48**	<0.248	<0.0493	<0.0126	<0.0128	**1.6**
Isophorone	NS	NS	<0.544	<0.0117	<0.0117	<0.0116	<2.37	<0.0123	<0.0245	<0.0239	<0.0271	<0.0272	<0.0122	<2.3	<0.12	<0.252	<0.269 J5	<0.0534	<0.0137	<0.0139	<0.024
Naphthalene	4.0E+02	1.7E+01	<0.446	<0.00962	<0.00959	<0.00952	<1.94	<0.0101	<0.0201	<0.0195	<0.0221	<0.0223	**0.0768**	<1.88	<0.0985	<0.206	<0.22	<0.0438	<0.0112	<0.0114	<0.0196
Nitrobenzene	NS	NS	<0.618	<0.0133	<0.0133	<0.0132	<2.7	<0.014	<0.0279	<0.0272	<0.0308	<0.031	<0.0139	<2.61	<0.137	<0.286	<0.306	<0.0608	<0.0155	<0.0158	<0.0273
n-Nitrosodimethylamine	NS	NS	<2.63	<0.0568	<0.0566	<0.0562	<11.5	<0.0595	<0.119	<0.116	<0.131	<0.132	<0.059	<11.1	<0.582	<1.22	<1.3 J6	<0.259	<0.0661	<0.0674	<0.116
n-Nitrosodi-n-propylamine	NS	NS	<0.592	<0.0128	<0.0127	<0.0126	<2.58	<0.0134	<0.0267	<0.026	<0.0294	<0.0296	<0.0133	<2.5	<0.131	<0.274	<0.293 J3J5J6	<0.0581	<0.0149	<0.0151	<0.0261
n-Nitrosodiphenylamine	NS	NS	<1.34	<0.029	<0.0289	<0.0287	<5.86	<0.0304	<0.0605	<0.059	<0.0668	<0.0673	<0.0301	<5.68	<0.297	<0.622	<0.664	<0.132	<0.0337	<0.0344	<0.0593
Pentachlorophenol	2.0E+01	4.0E+00	<0.478	<0.0103	<0.0103	<0.0102	<2.08	<0.0108	<0.0215	<0.021	<0.0237	<0.0239	<0.0107	<2.02	<0.106	<0.221	<0.236	<0.0469	<0.012	<0.0122	<0.0211
Phenanthrene	NS	NS	<0.353	<0.0076	**0.0432**	<0.00753	<1.53	<0.00796	**0.162**	<0.0154	<0.0175	<0.0176	**0.875**	<1.49	**1.27**	<0.163	<0.174	<0.0347	<0.00885	<0.00902	**2.39**
Phenol	9.8E+04	3.5E+05	<0.714	<0.0154	<0.0154	<0.0153	<3.12	<0.0161	<0.0322	<0.0314	<0.0355	<0.0358	<0.016	<3.02	<0.158	<0.331	<0.353	<0.0702	<0.0179	<0.0183	<0.0315
Pyrene	5.0E+03	2.3E+03	<0.345	<0.00745	**0.0407 J**	**0.0451 J**	<1.51	<0.00781	**0.229**	**0.138**	**0.146**	**0.235**	**1.09**	**18**	**8.79**	**1.85 J+**	<0.171 J5	<0.0339	<0.00868	<0.00884	**4.89**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

— = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-G1-1	G-G1-1	G-G2-1	G-G2-1	G-G2-1	G-G3-1	G-G3-1	G-G3-1	G-G4-1	G-G4-1	G-G4-1	G-H2-1	G-H2-1	G-H2-1	G-H2-1	G-H3-1	G-H3-1	G-H3-1	G-H3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	1.0	2.0	3.0	4.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																					
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0115	<0.154	<0.026	<0.0138	<0.144	<0.0221	<0.0128	<0.0128	<0.0125	<0.0135	<0.0124	<0.242	<0.123	<0.0121	<0.0246	<0.114	<0.0231	<0.132	<0.0128
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0109	<0.146	<0.0246	<0.0131	<0.137	<0.021	<0.0121	<0.0122	<0.0118	<0.0128	<0.0117	<0.229	<0.117	<0.0115	<0.0233	<0.108	<0.0219	<0.125	<0.0122
1,3-Dichlorobenzene	NS	NS	<0.0112	<0.15	<0.0253	<0.0134	<0.14	<0.0215	<0.0124	<0.0125	<0.0121	<0.0131	<0.012	<0.235	<0.12	<0.0118	<0.0239	<0.111	<0.0225	<0.128	<0.0125
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.011	<0.147	<0.0248	<0.0131	<0.138	<0.0211	<0.0122	<0.0122	<0.0119	<0.0129	<0.0118	<0.23	<0.118	<0.0116	<0.0234	<0.109	<0.022	<0.125	<0.0122
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.0159	<0.214	<0.036	<0.0191	<0.2	<0.0306	<0.0177	<0.0178	<0.0173	<0.0187	<0.0171	<0.335	<0.171	<0.0168	<0.034	<0.158	<0.032	<0.182	<0.0178
2,4,6-Tribromophenol	NS	NS	**0.426**	**0.251**	**0.477**	**0.444**	**0.314**	**0.425**	**0.25**	**0.248**	**0.11**	**0.373**	**0.381**	**0.39 J7**	**0.365**	**0.459**	**0.517**	**0.271**	**0.26**	**0.232**	**0.261**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0118	<0.159	<0.0268	<0.0142	<0.149	<0.0228	<0.0131	<0.0132	<0.0128	<0.0139	<0.0127	<0.249	<0.127	<0.0125	<0.0253	<0.117	<0.0238	<0.135	<0.0132
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0107	<0.144	<0.0243	<0.0128	<0.135	<0.0206	<0.0119	<0.012	<0.0116	<0.0126	<0.0115	<0.226	<0.115	<0.0113	<0.0229	<0.106	<0.0216	<0.123	<0.012
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.00962	<0.129	<0.0218	<0.0115	<0.121	<0.0185	<0.0107	<0.0107	<0.0104	<0.0113	<0.0103	<0.203	<0.103	<0.0102	<0.0206	<0.0955	<0.0193	<0.11	<0.0107
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.0861	<1.16	<0.195	<0.103	<1.08	<0.166	<0.0956	<0.0962	<0.0934	<0.101	<0.0926	<1.82	<0.925	<0.0909	<0.184	<0.855	<0.173	<0.986	<0.0962
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0106	<0.142	<0.0239	<0.0127	<0.133	<0.0203	<0.0117	<0.0118	<0.0114	<0.0124	<0.0114	<0.222	<0.113	<0.0111	<0.0226	<0.105	<0.0212	<0.121	<0.0118
2,6-Dinitrotoluene	NS	NS	<0.012	<0.162	<0.0273	<0.0144	<0.151	<0.0232	<0.0134	<0.0135	<0.0131	<0.0142	<0.013	<0.254	<0.129	<0.0127	<0.0258	<0.12	<0.0242	<0.138	<0.0135
2-Chloronaphthalene	NS	NS	<0.00647	<0.0868	<0.0146	<0.00775	<0.0813	<0.0124	<0.00718	<0.00723	<0.00701	<0.00076	<0.00696	<0.136	<0.0694	<0.00683	<0.0138	<0.0642	<0.013	<0.0741	<0.00722
2-Chlorophenol	1.8E+03	5.8E+03	<0.0122	<0.163	<0.0275	<0.0146	<0.153	<0.0234	<0.0135	<0.0136	<0.0132	<0.0143	<0.0131	<0.256	<0.131	<0.0128	<0.026	<0.121	<0.0245	<0.139	<0.0136
2-Fluorobiphenyl	NS	NS	**0.188**	**0.193**	**0.219**	**0.189**	**0.22**	**0.208**	**0.181**	**0.18**	**0.0596**	**0.137**	**0.16**	**0.231 J7**	**0.176**	**0.228**	**0.216**	**0.185**	**0.212**	**0.164**	**0.173**
2-Fluorophenol	NS	NS	**0.379**	**0.366**	**0.491**	**0.438**	**0.412**	**0.483**	**0.392**	**0.379**	**0.137**	**0.27**	**0.363**	**0.474 J7**	**0.416**	**0.519**	**0.418**	**0.393**	**0.414**	**0.344**	**0.36**
2-Nitrophenol	NS	NS	<0.0132	<0.177	<0.0298	<0.0158	<0.165	<0.0253	<0.0146	<0.0147	<0.0143	<0.0155	<0.0142	<0.277	<0.141	<0.0139	<0.0281	<0.131	<0.0265	<0.151	<0.0147
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0136	<0.183	<0.0308	<0.0163	<0.171	<0.0262	<0.0151	<0.0152	<0.0147	<0.016	<0.0146	<0.286	<0.146	<0.0144	<0.0291	<0.135	<0.0273	<0.156	<0.0152
4,6-Dinitro-2-methylphenol	NS	NS	<0.0835	<1.12	<0.189	<0.1	<1.05	<0.161	<0.0926	<0.0933	<0.0905	<0.0981	<0.0898	<1.76	<0.896	<0.0881	<0.178	<0.828	<0.168	<0.956	<0.0932
4-Bromophenyl-phenylether	NS	NS	<0.0129	<0.174	<0.0293	<0.0155	<0.163	<0.0249	<0.0144	<0.0145	<0.014	<0.0152	<0.0139	<0.272	<0.139	<0.0137	<0.0276	<0.128	<0.026	<0.148	<0.0144
4-Chloro-3-methylphenol	NS	NS	<0.0119	<0.16	<0.027	<0.0143	<0.15	<0.023	<0.0133	<0.0133	<0.0129	<0.014	<0.0128	<0.251	<0.128	<0.0126	<0.0255	<0.119	<0.024	<0.137	<0.0133
4-Chlorophenyl-phenylether	NS	NS	<0.0128	<0.172	<0.029	<0.0154	<0.161	<0.0247	<0.0142	<0.0143	<0.0139	<0.0151	<0.0138	<0.27	<0.138	<0.0135	<0.0274	<0.127	<0.0258	<0.147	<0.0143
4-Nitrophenol	NS	NS	<0.0115	<0.154	<0.026	<0.0138	<0.144	<0.0221	<0.0128	<0.0128	<0.0125	<0.0135	<0.0124	<0.242	<0.123	<0.0121	<0.0246	<0.114	<0.0231	<0.132	<0.0128
Acenaphthene	1.0E+04	4.5E+04	**0.0933**	<0.08	<0.0135	<0.00714	<0.0749	<0.0115	<0.00661	<0.00666	<0.00646	<0.007	<0.00641	<0.126	<0.064	<0.00629	<0.0128	<0.0591	<0.012	<0.0682	<0.00665
Acenaphthylene	NS	NS	**0.0523**	<0.0696	<0.0117	<0.00621	<0.0651	<0.00998	<0.00576	<0.00579	<0.00562	<0.00609	<0.00558	<0.109	<0.0557	<0.00547	<0.0111	<0.0515	<0.0104	<0.0594	<0.00579
Anthracene	5.0E+04	2.3E+05	**0.395**	<0.088	<0.0149	<0.00786	<0.0824	<0.0127	<0.00728	<0.00733	<0.00711	<0.00771	<0.00705	<0.139	<0.0704	<0.00692	<0.0141	<0.0651	<0.0132	<0.0751	**0.0568**
Benzidine	NS	NS	<0.0692	<0.929	<0.156	<0.0829	<0.87	<0.133	<0.0768	<0.0773	<0.075	<0.0813	<0.0745	<1.46	<0.743	<0.0731	<0.148	<0.687	<0.139	<0.793	<0.0773
Benzo(a)anthracene	1.1E+02	2.0E+01	**1.17**	<0.0871	**0.333**	<0.00778	<0.0815	<0.0124	<0.0072	<0.00725	<0.00704	**0.133**	<0.00698	<0.136	<0.0697	<0.00685	<0.0138	<0.0644	**0.128**	<0.0743	**0.257**
Benzo(a)pyrene	1.0E+01	2.1E+00	**1.15**	<0.0919	**0.446**	<0.0082	<0.086	**0.0782**	<0.0076	<0.00765	<0.00742	**0.129**	<0.00736	<0.144	**0.484**	<0.00723	<0.0146	**0.404**	**0.158**	<0.0784	**0.29**
Benzo(b)fluoranthene	1.1E+02	2.1E+01	**1.3**	<0.0922	**0.631**	<0.00823	<0.0863	**0.0966**	<0.00762	<0.00767	<0.00744	**0.161**	<0.00739	<0.144	**0.668**	<0.00725	<0.0146	**0.542**	**0.203**	<0.0786	**0.343**
Benzo(g,h,i)perylene	NS	NS	**0.555**	<0.0904	**0.316**	<0.00807	<0.0846	<0.013	<0.00747	<0.00752	<0.0073	**0.0924**	<0.00724	<0.142	<0.0723	<0.00711	<0.0144	<0.0668	**0.147**	<0.0771	**0.174**
Benzo(k)fluoranthene	9.1E+02	2.1E+02	**0.494**	<0.0879	**0.208**	<0.00784	<0.0822	<0.0125	<0.00726	<0.00731	<0.0071	**0.0531**	<0.00704	<0.137	<0.0703	<0.00691	<0.0139	<0.065	**0.084**	<0.075	**0.122**
Benzylbutyl phthalate	NS	NS	<0.0115	<0.154	<0.026	<0.0138	<0.144	<0.0221	<0.0128	<0.0128	<0.0125	<0.0135	<0.0124	<0.242	<0.123	<0.0121	<0.0246	<0.114	<0.0231	<0.132	<0.0128
Bis(2-chlorethoxy)methane	NS	NS	<0.0111	<0.148	<0.025	<0.0132	<0.139	<0.0213	<0.0123	<0.0124	<0.012	<0.013	<0.0119	<0.233	<0.119	<0.0117	<0.0236	<0.11	<0.0222	<0.127	<0.0123
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0122	<0.163	<0.0275	<0.0146	<0.153	<0.0234	<0.0135	<0.0136	<0.0132	<0.0143	<0.0131	<0.256 J4	<0.131 J4	<0.0128	<0.026	<0.121	<0.0245	<0.139	<0.0136
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.0467	<0.626	<0.106	<0.0559	<0.586	<0.0898	<0.0518	<0.0521	<0.0506	<0.0548	<0.0502	<0.983	<0.501	<0.0493	<0.0997	<0.463	<0.0938	<0.534	<0.0521
Chrysene	9.1E+03	2.1E+03	**1.37**	<0.0983	**0.573**	<0.00877	<0.092	**0.0908**	<0.00812	<0.00818	<0.00793	**0.149**	<0.00787	<0.154	<0.0786	<0.00773	<0.0156	<0.0726	**0.149**	<0.0838	**0.327**
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	**0.155**	<0.137	**0.0978**	<0.0122	<0.128	<0.0197	<0.0113	<0.0114	<0.0111	<0.012	<0.011	<0.215	<0.11	<0.0108	<0.0219	<0.101	<0.0206	<0.117	**0.0473**
Diethyl phthalate	1.5E+05	6.6E+05	<0.0122	<0.163	<0.0275	<0.0146	<0.153	<0.0234	<0.0135	<0.0136	<0.0132	<0.0143	<0.0131	<0.256	<0.131	<0.0128	<0.026	<0.121	<0.0245	<0.139	<0.0136
Dimethyl phthalate	NS	NS	<0.078	<1.05	<0.176	<0.0935	<0.981	<0.15	<0.0866	<0.0872	<0.0846	<0.0917	<0.084	<1.64	<0.838	<0.0824	<0.167	<0.775	<0.157	<0.894	<0.0871
Di-n-butyl phthalate	NS	NS	<0.0126	<0.169	<0.0285	<0.0151	<0.158	<0.0242	<0.014	<0.0141	<0.0137	<0.0148	<0.0136	<0.265	<0.135	<0.0133	<0.0269	<0.125	<0.0253	<0.144	<0.0141
Di-n-octyl phthalate	NS	NS	<0.0249	<0.334	<0.0563	<0.0298	<0.313	<0.0479	<0.0276	<0.0278	<0.027	<0.0292	<0.0268	<0.524	<0.267	<0.0263	<0.0532	<0.247	<0.05	<0.285	<0.0278
Fluoranthene	6.7E+03	3.0E+04	**2.56**	<0.0892	**0.391**	<0.00796	<0.0835	**0.186**	**0.042**	<0.00742	<0.0072	**0.218**	<0.00715	<0.14	<0.0713	<0.00702	<0.0142	<0.0659	**0.139**	<0.0761	**0.374**
Fluorene	6.7E+03	3.0E+04	**0.311**	<0.0804	<0.0135	<0.00718	<0.0753	<0.0115	<0.00665	<0.0067	<0.0065	<0.00704	<0.00645	<0.126	<0.0643	<0.00633	<0.0128	<0.0595	<0.012	<0.0686	<0.00669
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.0124	<0.166	<0.028	<0.0148	<0.156	<0.0238	<0.0137	<0.0138	<0.0134	<0.0146	<0.0133	<0.261	<0.133	<0.0131	<0.0265	<0.123	<0.0249	<0.142	<0.0138
Hexachlorobenzene	7.7E+00	7.8E-01	<0.013	<0.175	<0.0295	<0.0156	<0.164	<0.0251	<0.0145	<0.0146	<0.0141	<0.0153	<0.014	<0.275	<0.14	<0.0138	<0.0279	<0.129	<0.0262	<0.149	<0.0146
Hexachlorocyclopentadiene	NS	NS	<0.0193	<0.26	<0.0438	<0.0232	<0.243	<0.0372	<0.0215	<0.0216	<0.021	<0.0227	<0.0208	<0.407	<0.208	<0.0204	<0.0413	<0.192	<0.0389	<0.222	<0.0216
Hexachloroethane	1.2E+02	7.8E+00	<0.0145	<0.194	<0.0328	<0.0174	<0.182	<0.0279	<0.0161	<0.0162	<0.0157	<0.017	<0.0156	<0.305	<0.155	<0.0153	<0.031	<0.144	<0.0291	<0.166	<0.0162
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	**0.615**	<0.14	**0.309**	<0.0125	<0.131	<0.02	<0.0115	<0.0116	<0.0113	**0.104**	<0.0112	<0.219	<0.112	<0.011	<0.0222	<0.103	**0.136**	<0.119	**0.174**
Isophorone	NS	NS	<0.0113	<0.151	<0.0255	<0.0135	<0.142	<0.0217	<0.0125	<0.0126	<0.0122	<0.0133	<0.0121	<0.237	<0.121	<0.0119	<0.0241	<0.112	<0.0227	<0.129	<0.0126
Naphthalene	4.0E+02	1.7E+01	**0.216**	<0.124	<0.0209	<0.0111	<0.116	<0.0178	<0.0103	<0.0103	<0.01	<0.0109	<0.00994	<0.194	<0.0992	<0.00976	<0.0197	<0.0917	<0.0186	<0.106	<0.0103
Nitrobenzene	NS	NS	<0.0128	<0.172	<0.029	<0.0154	<0.161	<0.0247	<0.0142	<0.0143	<0.0139	<0.0151	<0.0138	<0.27	<0.138	<0.0135	<0.0274	<0.127	<0.0258	<0.147	<0.0143
n-Nitrosodimethylamine	NS	NS	<0.0546	<0.733	<0.124	<0.0654	<0.686	<0.105	<0.0606	<0.061	<0.0592	<0.0642	<0.0588	<1.15	<0.586	<0.0577	<0.117	<0.542	<0.11	<0.626	<0.061
n-Nitrosodi-n-propylamine	NS	NS	<0.0123	<0.165	<0.0278	<0.0147	<0.154	<0.0236	<0.0136	<0.0137	<0.0133	<0.0144	<0.0132	<0.258	<0.132	<0.013	<0.0262	<0.122	<0.0247	<0.141	<0.0137
n-Nitrosodiphenylamine	NS	NS	<0.0279	<0.374	<0.063	<0.0334	<0.35	<0.0536	<0.0309	<0.0311	<0.0302	<0.0327	<0.03	<0.587	<0.299	<0.0294	<0.0595	<0.277	<0.056	<0.319	<0.0311
Pentachlorophenol	2.0E+01	4.0E+00	<0.00991	<0.133	<0.0224	<0.0119	<0.124	<0.019	<0.011	<0.0111	<0.0107	<0.0116	<0.0107	<0.208	<0.106	<0.0105	<0.0211	<0.0983	<0.0199	<0.113	<0.0111
Phenanthrene	NS	NS	**2.55**	<0.0981	**0.109**	<0.00876	<0.0918	**0.178**	<0.00811	<0.00817	<0.00792	**0.121**	<0.00786	<0.154	<0.0784	<0.00772	<0.0156	<0.0725	**0.0859**	<0.0837	**0.225**
Phenol	9.8E+04	3.5E+05	<0.0148	<0.199	<0.0335	<0.0178	<0.186	<0.0285	<0.0164	<0.0166	<0.0161	<0.0174	<0.0159	<0.312	<0.159	<0.0156	<0.0317	<0.147	<0.0298	<0.17	<0.0165
Pyrene	5.0E+03	2.3E+04	**2.29**	<0.0962	**0.44**	<0.00858	<0.09	**0.175**	**0.0547**	<0.00801	<0.00777	**0.201 J**	<0.00771	<0.151	**0.453**	<0.00756	<0.0154	**0.422**	**0.176**	<0.0821	**0.448**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

--- = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB). 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 4. Summary of SVOCs in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	UC-A2-1	UC-A2-1	UC-A2-1	UC-A3-1	UC-A3-1	UC-A3-1	UC-B4-2	UC-B4-2	UC-B4-2	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0	4.0	8.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/23/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
SEMI-VOLATILE ORGANIC COMPOUNDS - 8270C (mg/kg)																
1,2,4-Trichlorobenzene	2.4E+02	1.1E+02	<0.0225	<0.114	<0.117	<0.111	<1.24	<0.024	<0.0569	<0.0127	<0.0113	<0.0254	<0.0238	<0.0141	<0.0276	<0.272
1,2-Dichlorobenzene	7.8E+03	9.4E+03	<0.0213	<0.108	<0.111	<0.105	<1.17	<0.0227	<0.0541	<0.0121	<0.0107	<0.024	<0.0226	<0.0134	<0.0262	<0.258
1,3-Dichlorobenzene	NS	NS	<0.0218	<0.111	<0.114	<0.107	<1.2	<0.0233	<0.0553	<0.0123	<0.011	<0.0246	<0.0231	<0.0137	<0.0268	<0.264
1,4-Dichlorobenzene	2.8E+02	1.2E+01	<0.0214	<0.109	<0.112	<0.105	<1.18	<0.0229	<0.0543	<0.0121	<0.0108	<0.0241	<0.0227	<0.0134	<0.0263	<0.259
2,2-Oxybis(1-Chloropropane)	2.7E+02	2.3E+01	<0.0311	<0.158	<0.162	<0.153	<1.71	<0.0332	<0.0788	<0.0176	<0.0157	<0.0351	<0.033	<0.0195	<0.0383	<0.377
2,4,6-Tribromophenol	NS	NS	**0.405**	**0.49**	**0.59**	**0.25**	**0.454 J7**	**0.48**	**0.267**	**0.4**	**0.429**	**0.281**	**0.473**	**0.375**	**0.326**	**0.494 J7**
2,4,6-Trichlorophenol	3.5E+02	4.7E+01	<0.0231	<0.117	<0.121	<0.114	<1.27	<0.0247	<0.0586	<0.0131	<0.0117	<0.0261	<0.0245	<0.0145	<0.0284	<0.28
2,4-Dichlorophenol	1.1E+03	3.5E+03	<0.0209	<0.106	<0.109	<0.103	<1.15	<0.0224	<0.0531	<0.0118	<0.0106	<0.0237	<0.0222	<0.0131	<0.0258	<0.254
2,4-Dimethylphenol	7.1E+03	2.3E+04	<0.0188	<0.0953	<0.0981	<0.0925	<1.03	<0.0201	<0.0476	<0.0106	<0.00947	<0.0212	<0.0199	<0.0118	<0.0231	<0.228
2,4-Dinitrophenol	7.1E+02	2.3E+03	<0.168	<0.853	<0.878	<0.828	<9.26	<0.18	<0.426 J6	<0.0952	<0.0848	<0.19	<0.179	<0.106	<0.207	<2.04
2,4-Dinitrotoluene	7.9E+01	1.1E+01	<0.0206	<0.105	<0.108	<0.102	<1.13	<0.022	<0.0523	<0.0117	<0.0104	<0.0233	<0.0219	<0.0129	<0.0254	<0.25
2,6-Dinitrotoluene	NS	NS	<0.0235	<0.119	<0.123	<0.116	<1.3	<0.0252	<0.0596	<0.0133	<0.0119	<0.0266	<0.025	<0.0148	<0.029	<0.285
2-Chloronaphthalene	NS	NS	<0.0126	<0.0641	<0.066	<0.0622	<0.695	<0.0135	<0.0321	<0.00715	<0.00637	<0.0143	<0.0134	<0.00793	<0.0155	<0.153
2-Chlorophenol	1.8E+03	5.8E+03	<0.0238	<0.12	<0.124	<0.117	<1.31	<0.0254	<0.0602	<0.0134	<0.012	<0.0268	<0.0252	<0.0149	<0.0292	<0.288
2-Fluorobiphenyl	NS	NS	**0.279**	**0.298**	**0.303**	**0.27**	**0.261 J7**	**0.248**	**0.151**	**0.168**	**0.188**	**0.197**	**0.192**	**0.176**	**0.21**	**0.25 J7**
2-Fluorophenol	NS	NS	**0.542**	**0.659**	**0.672**	**0.286**	**0.53 J7**	**0.462**	**0.355**	**0.369**	**0.411**	**0.406**	**0.391**	**0.392**	**0.384**	**0.54 J7**
2-Nitrophenol	NS	NS	<0.0257	<0.13	<0.134	<0.127	<1.41	<0.0275	<0.0651	<0.0145	<0.013	<0.029	<0.0273	<0.0161	<0.0316	<0.311
3,3-Dichlorobenzidine	2.0E+01	2.7E+00	<0.0266	<0.135	<0.139	<0.131	<1.46	<0.0284	<0.0673	<0.015	<0.0134	<0.03	<0.0282	<0.0167	<0.0327	<0.322
4,6-Dinitro-2-methylphenol	NS	NS	<0.163	<0.827	<0.851	<0.803	<8.97	<0.174	<0.414	<0.0922	<0.0822	<0.184	<0.173	<0.102	<0.201	<1.98
4-Bromophenyl-phenylether	NS	NS	<0.0253	<0.128	<0.132	<0.124	<1.39	<0.027	<0.064	<0.0143	<0.0127	<0.0285	<0.0268	<0.0159	<0.0311	<0.306
4-Chloro-3-methylphenol	NS	NS	<0.0233	<0.118	<0.122	<0.115	<1.28	<0.0249	<0.0591	<0.0132	<0.0118	<0.0263	<0.0247	<0.0146	<0.0287	<0.283
4-Chlorophenyl-phenylether	NS	NS	<0.0251	<0.127	<0.131	<0.123	<1.38	<0.0268	<0.0635	<0.0142	<0.0126	<0.0283	<0.0266	<0.0157	<0.0308	<0.304
4-Nitrophenol	NS	NS	<0.0225	<0.114	<0.117	<0.111	<1.24	<0.024	<0.0569	<0.0127	<0.0113	<0.0254	<0.0238	<0.0141	<0.0276	<0.272
Acenaphthene	1.0E+04	4.5E+04	<0.0117	<0.059	<0.0608	<0.0573	<0.64	<0.0125	<0.0294	<0.00658	<0.00587	<0.0132	<0.0124	<0.0073	<0.0143	<0.141
Acenaphthylene	NS	NS	<0.0101	<0.0514	**0.405**	<0.0499	<0.557	<0.0108	<0.0256	<0.00573	<0.00511	<0.0114	<0.0107	<0.00635	<0.0125	<0.123
Anthracene	5.0E+04	2.3E+05	<0.0129	<0.0649	**0.483**	<0.0631	<0.705	<0.0137	<0.0325	**0.137**	<0.00646	<0.0145	<0.0136	<0.00804	<0.0158	<0.156
Benzidine	NS	NS	<0.135	<0.686	<0.706	<0.666	<7.44	<0.144	<0.343 J6	<0.0765	<0.0682	<0.152	<0.143	<0.0848	<0.166	<1.64
Benzo(a)anthracene	1.1E+02	2.0E+01	<0.0126	<0.0643	**1.66**	<0.0624	<0.697	<0.0135	<0.0321	**0.123**	<0.00639	<0.0143	<0.0134	<0.00795	<0.0155	<0.153
Benzo(a)pyrene	1.0E+01	2.1E+00	<0.0134	<0.0678	**1.52**	<0.0658	<0.736	<0.0143	<0.0338	**0.151**	<0.00674	<0.0151	<0.0142	<0.00839	<0.0165	<0.162
Benzo(b)fluoranthene	1.1E+02	2.1E+01	<0.0134	<0.068	**1.75**	<0.066	<0.738	<0.0143	<0.034	**0.253**	<0.00676	<0.0151	<0.0142	<0.00841	<0.0165	<0.162
Benzo(g,h,i)perylene	NS	NS	<0.0132	<0.0667	**0.63**	<0.0648	<0.724	<0.0141	<0.0334	**0.0997**	<0.00663	<0.0149	<0.014	<0.00825	<0.0162	<0.16
Benzo(k)fluoranthene	9.1E+02	2.1E+02	<0.0127	<0.0648	**0.676**	<0.063	<0.703	<0.0136	<0.0324	**0.0633**	<0.00645	<0.0144	<0.0135	<0.00802	<0.0157	<0.154
Benzylbutyl phthalate	NS	NS	<0.0225	<0.114	<0.117	<0.111	<1.24	<0.024	<0.0569	<0.0127	<0.0113	<0.0254	<0.0238	<0.0141	<0.0276	<0.272
Bis(2-chlorethoxy)methane	NS	NS	<0.0216	<0.11	<0.113	<0.106	<1.19	<0.0231	<0.0547	<0.0122	<0.0109	<0.0244	<0.0229	<0.0135	<0.0266	<0.262
Bis(2-chloroethyl)ether	6.4E+00	4.7E-01	<0.0238	<0.12	<0.124	<0.117	<1.31 '	<0.0254	<0.0602	<0.0134	<0.012	<0.0268	<0.0252	<0.0149 J4	<0.0292	<0.288
Bis(2-ethylhexyl)phthalate	9.5E+02	1.6E+02	<0.0911	<0.462	<0.476	<0.449	<5.01	<0.0974	<0.231	<0.0515	<0.046	<0.103	<0.0966	<0.0572	<0.112	<1.1
Chrysene	9.1E+03	2.1E+03	<0.0143	<0.0725	**1.7**	<0.0704	<0.787	<0.0152	<0.0362	**0.127**	<0.00721	<0.0161	<0.0151	<0.00897	<0.0175	<0.173
Dibenz(a,h)anthracene	1.1E+01	2.1E+00	<0.02	<0.101	<0.104	<0.0981	<1.1	<0.0214	<0.0506	<0.0113	<0.0101	<0.0226	<0.0212	<0.0125	<0.0246	<0.242
Diethyl phthalate	1.5E+05	6.6E+05	<0.0238	<0.12	<0.124	<0.117	<1.31	<0.0254	<0.0602	<0.0134	<0.012	<0.0268	<0.0252	<0.0149	<0.0292	<0.288
Dimethyl phthalate	NS	NS	<0.152	<0.773	<0.796	<0.751	<8.39	<0.163	<0.386	<0.0862	<0.0769	<0.172	<0.161	<0.0957	<0.187	<1.85
Di-n-butyl phthalate	NS	NS	<0.0246	<0.125	<0.129	<0.121	<1.35	<0.0263	<0.0624	<0.0139	<0.0124	<0.0278	<0.0261	<0.0154	<0.0303	<0.298
Di-n-octyl phthalate	NS	NS	<0.0486	<0.246	<0.254	<0.239	<2.67	<0.0519	<0.124	<0.0275	<0.0245	<0.0549	<0.0515	<0.0305	<0.0598	<0.589
Fluoranthene	6.7E+03	3.0E+04	<0.013	<0.0658	**3.8**	<0.0639	<0.714	<0.0138	<0.0329	**0.228**	<0.00654	<0.0146	<0.0137	<0.00814	<0.0159	<0.157
Fluorene	6.7E+03	3.0E+04	<0.0117	<0.0594	<0.0611	<0.0576	<0.644	<0.0125	<0.0297	**0.0887**	<0.0059	<0.0132	<0.0124	<0.00734	<0.0143	<0.141
Hexachloro-1,3-butadiene	1.0E+02	5.3E+00	<0.0242	<0.123	<0.126	<0.119	<1.33	<0.0259	<0.0613	<0.0137	<0.0122	<0.0273	<0.0256	<0.0152	<0.0298	<0.293
Hexachlorobenzene	7.7E+00	7.8E-01	<0.0255	<0.129	<0.133	<0.125	<1.4 '	<0.0272	<0.0646 J6	<0.0144	<0.0128	<0.0288	<0.027	<0.016	<0.0314	<0.309
Hexachlorocyclopentadiene	NS	NS	<0.0378	<0.192	<0.197	<0.186	<2.08	<0.0404	<0.0958 J6	<0.0214	<0.0191	<0.0427	<0.0401	<0.0237	<0.0465	<0.458
Hexachloroethane	1.2E+02	7.8E+00	<0.0283	<0.143	<0.148	<0.139	<1.56	<0.0302	<0.0717	<0.016	<0.0143	<0.032	<0.03	<0.0178	<0.0348	<0.343
Indeno(1,2,3-cd)pyrene	1.1E+02	2.1E+01	<0.0203	<0.103	**0.821**	<0.1	<1.12	<0.0217	<0.0515	**0.108**	<0.0102	<0.0229	<0.0215	<0.0128	<0.025	<0.246
Isophorone	NS	NS	<0.022	<0.112	<0.115	<0.108	<1.21	<0.0235	<0.0558	<0.0125	<0.0111	<0.0249	<0.0234	<0.0138	<0.0271	<0.267
Naphthalene	4.0E+02	1.7E+01	<0.018	<0.0916	<0.0943	<0.0889	<0.993	<0.0193	<0.0457	**0.475**	<0.0091	<0.0204	<0.0191	<0.0113	<0.0222	<0.219
Nitrobenzene	NS	NS	<0.0251	<0.127	<0.131	<0.123	<1.38	<0.0268	<0.0635	<0.0142	<0.0126	<0.0283	<0.0266	<0.0157	<0.0308	<0.304
n-Nitrosodimethylamine	NS	NS	<0.107	<0.541	<0.557	<0.525	<5.87	<0.114	<0.27 J6	<0.0603	<0.0538	<0.121	<0.113	<0.0669	<0.131	<1.29
n-Nitrosodi-n-propylamine	NS	NS	<0.024	<0.122	<0.125	<0.118	<1.32	<0.0256	<0.0607	<0.0136	<0.0121	<0.0271	<0.0254	<0.015	<0.0295	<0.291
n-Nitrosodiphenylamine	NS	NS	<0.0544	<0.276	<0.284	<0.268	<2.99	<0.0582	<0.138	<0.0308	<0.0274	<0.0615	<0.0577	<0.0341	<0.067	<0.66
Pentachlorophenol	2.0E+01	4.0E+00	<0.0193	<0.0981	<0.101	<0.0953	<1.06	<0.0207	<0.049	<0.0109	<0.00976	<0.0218	<0.0205	<0.0121	<0.0238	<0.234
Phenanthrene	NS	NS	<0.0143	<0.0724	**3.13**	<0.0703	<0.785	<0.0152	<0.0362	**0.203**	<0.0072	<0.0161	<0.0151	<0.00896	<0.0175	<0.173
Phenol	9.8E+04	3.5E+05	<0.0289	<0.147	<0.151	<0.142	<1.59	<0.0309	<0.0733	**0.564**	<0.0146	<0.0327	<0.0307	<0.0182	<0.0356	<0.351
Pyrene	5.0E+03	2.3E+04	<0.014	<0.071	**3.46**	<0.0689	<0.77	<0.015	<0.0355 J3	**0.204 J**	<0.00706	<0.0159	<0.0149	<0.00878	<0.0173	<0.17

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

--- = Not used.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NS = No standard established.

RWQCB = Regional Water Quality Control Board.

SVOCs analyzed by United States Environmental Protection Agency (EPA) Method 8270C.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J7 = Surrogate recovery cannot be used for control limit evaluation due to dilution.

R = Data rejected for laboratory quality assurance/quality control reasons.

T8 = Sample received past/too close to holding time expiration.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

[2]United States Environmental Protection Agency Industrial Soil Regional Screening Levels. May 2024.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-B1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-E1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-I1-1	BS-I2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/20/2024	5/21/2024	5/24/2024	5/24/2024	5/22/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0143	<0.0127	<0.0131	<0.013	<0.0144	<0.0129	<0.0129	<0.0138	<0.0135	<0.0125	<0.0266
PCB 1221	5.5E+00	9.4E-01	<0.0143	<0.0127	<0.0131	<0.013	<0.0144	<0.0129	<0.0129	<0.0138	<0.0135	<0.0125	<0.0266
PCB 1232	5.5E+00	9.4E-01	<0.0143	<0.0127	<0.0131	<0.013	<0.0144	<0.0129	<0.0129	<0.0138	<0.0135	<0.0125	<0.0266
PCB 1242	5.5E+00	9.4E-01	<0.0143	<0.0127	<0.0131	<0.013	<0.0144	<0.0129	<0.0129	<0.0138	<0.0135	<0.0125	<0.0266
PCB 1248	5.5E+00	9.4E-01	<0.00893	<0.00797	<0.00816	<0.00811	<0.00898	<0.00807	<0.00807	<0.00862	<0.00843	<0.00779	<0.0167
PCB 1254	5.5E+00	9.4E-01	<0.00893	<0.00797	<0.00816	<0.00811	<0.00898	<0.00807	<0.00807	<0.00862	<0.00843	<0.00779	<0.0167
PCB 1260	5.5E+00	9.4E-01	<0.00893	<0.00797	**0.035**	<0.00811	<0.00898	<0.00807	<0.00807	<0.00862	<0.00843	<0.00779	**0.265**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Sample not analyzed.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NA* = Not analyzed due to lab disposing of sample without notice.

PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

RWQCB = Regional Water Quality Control Board.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-I3-1	BS-I3-1	G/BS-A2-1	G/BS-A2-1	G/BS-A2-1	G/BS-A3-1	G/BS-A3-1	G/BS-D4-1	G/BS-D4-1	G/BS-D4-1	G/BS-F4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	1.0	2.0	3.0	1.0	2.0	1.0	2.0	3.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0136	<0.0136	<0.0132	<0.0132	<0.0156	<0.013	<0.027	<0.0125	<0.0131	<0.0132	<0.0129
PCB 1221	5.5E+00	9.4E-01	<0.0136	<0.0136	<0.0132	<0.0132	<0.0156	<0.013	<0.027	<0.0125	<0.0131	<0.0132	<0.0129
PCB 1232	5.5E+00	9.4E-01	<0.0136	<0.0136	<0.0132	<0.0132	<0.0156	<0.013	<0.027	<0.0125	<0.0131	<0.0132	<0.0129
PCB 1242	5.5E+00	9.4E-01	<0.0136	<0.0136	<0.0132	<0.0132	<0.0156	<0.013	<0.027	<0.0125	<0.0131	<0.0132	<0.0129
PCB 1248	5.5E+00	9.4E-01	<0.00849	<0.00853	<0.00823	<0.00827	<0.00978	<0.0081	<0.0169	<0.00782	<0.00822	<0.00823	<0.00805
PCB 1254	5.5E+00	9.4E-01	<0.00849	<0.00853	<0.00823	<0.00827	<0.00978	<0.0081	<0.0169	**0.79**	**3.69**	**0.251**	<0.00805
PCB 1260	5.5E+00	9.4E-01	**0.0405**	<0.00853	**0.0352**	**0.133**	<0.00978	**0.255**	<0.0169	<0.00782	<0.00822	<0.00823	**0.0442**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

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Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NA* = Not analyzed due to lab disposing of sample without notice.

PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

RWQCB = Regional Water Quality Control Board.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/BS-F4-1	G/BS-H1-1	G/UC-B1-1	G/UC-B4-1	G/UC-B4-1	G/UC-C1-1	G/UC-C4-1	G/UC-H4-1	G/UC-I1-1	G/UC-I2-1	G/UC-I3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/30/2024	5/21/2024	5/23/2024	5/23/2024	5/21/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.014	<0.0145	<0.0136	<0.0144	<0.0131	<0.0126	<0.0135	<0.0126	<0.015	<0.0269	<0.0131
PCB 1221	5.5E+00	9.4E-01	<0.014	<0.0145	<0.0136	<0.0144	<0.0131	<0.0126	<0.0135	<0.0126	<0.015	<0.0269	<0.0131
PCB 1232	5.5E+00	9.4E-01	<0.014	<0.0145	<0.0136	<0.0144	<0.0131	<0.0126	<0.0135	<0.0126	<0.015	<0.0269	<0.0131
PCB 1242	5.5E+00	9.4E-01	<0.014	<0.0145	<0.0136	<0.0144	<0.0131	<0.0126	<0.0135	<0.0126	<0.015	<0.0269	<0.0131
PCB 1248	5.5E+00	9.4E-01	<0.00873	<0.00905	<0.00851	<0.00899	<0.00817	<0.00786	<0.00846	<0.00787	<0.00935	<0.0168	<0.00822
PCB 1254	5.5E+00	9.4E-01	<0.00873	<0.00905	<0.00851	<0.00899	<0.00817	<0.00786	<0.00846	<0.00787	<0.00935	<0.0168	<0.00822
PCB 1260	5.5E+00	9.4E-01	**0.0331**	<0.00905	<0.00851	<0.00899	<0.00817	<0.00786	<0.00846	<0.00787	<0.00935	<0.0168	**0.0456 P**

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

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PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-I3-1	G/UC-I4-1	G/UC-I4-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1	G-B2-1	G-B3-1	G-B3-1	G-C2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	1.0	2.0	1.0	2.0	3.0	1.0	2.0	1.0	2.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0149	<0.0136	<0.013	<0.0132	<0.0132	<0.0129	<0.0127	<0.0128	<0.0142	<0.0134	<0.0129
PCB 1221	5.5E+00	9.4E-01	<0.0149	<0.0136	<0.013	<0.0132	<0.0132	<0.0129	<0.0127	<0.0128	<0.0142	<0.0134	<0.0129
PCB 1232	5.5E+00	9.4E-01	<0.0149	<0.0136	<0.013	<0.0132	<0.0132	<0.0129	<0.0127	<0.0128	<0.0142	<0.0134	<0.0129
PCB 1242	5.5E+00	9.4E-01	<0.0149	<0.0136	<0.013	<0.0132	<0.0132	<0.0129	<0.0127	<0.0128	<0.0142	<0.0134	<0.0129
PCB 1248	5.5E+00	9.4E-01	<0.00935	<0.00852	<0.00811	<0.00824	<0.00823	<0.00807	<0.00794	<0.00804	<0.0089	<0.00836	<0.00805
PCB 1254	5.5E+00	9.4E-01	<0.00935	<0.00852	<0.00811	<0.00824	<0.00823	<0.00807	<0.00794	<0.00804	<0.0089	<0.00836	<0.00805
PCB 1260	5.5E+00	9.4E-01	<0.00935	**0.0926 P**	<0.00811	**0.0343**	**0.731**	<0.00807	<0.00794	<0.00804	<0.0089	<0.00836	<0.00805

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

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— = Sample not analyzed.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NA* = Not analyzed due to lab disposing of sample without notice.

PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

RWQCB = Regional Water Quality Control Board.

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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-C3-1	G-D1-1	G-D2-1	G-D3-1	G-D3-1	G-D3-1	G-E1-1	G-E2-1	G-E3-1	G-E3-1	G-F1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	1.0	1.0	1.0	2.0	3.0	1.0	1.0	1.0	2.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/21/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0127	<0.0129	<0.0137	<0.0139	<0.0144 J3J5	<0.0141	<0.0135	<0.0136	<0.0137	<0.0142	<0.0138
PCB 1221	5.5E+00	9.4E-01	<0.0127	<0.0129	<0.0137	<0.0139	<0.0144	<0.0141	<0.0135	<0.0136	<0.0137	<0.0142	<0.0138
PCB 1232	5.5E+00	9.4E-01	<0.0127	<0.0129	<0.0137	<0.0139	<0.0144	<0.0141	<0.0135	<0.0136	<0.0137	<0.0142	<0.0138
PCB 1242	5.5E+00	9.4E-01	<0.0127	<0.0129	<0.0137	**0.157**	<0.0144	<0.0141	<0.0135	<0.0136	**1.88**	<0.0142	<0.0138
PCB 1248	5.5E+00	9.4E-01	<0.00796	<0.00806	<0.00854	<0.00871	<0.00898	<0.00885	<0.00842	<0.00849	<0.00858	<0.00889	<0.00864
PCB 1254	5.5E+00	9.4E-01	<0.00796	<0.00806	<0.00854	<0.00871	<0.00898	<0.00885	<0.00842	<0.00849	**1.14**	<0.00889	<0.00864
PCB 1260	5.5E+00	9.4E-01	<0.00796	<0.00806	<0.00854	<0.00871	<0.00898	<0.00885	<0.00842	<0.00849	<0.00858	<0.00889	<0.00864

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-F2-1	G-F2-1	G-F3-1	G-F3-1	G-G1-1	G-G1-1	G-G2-1	G-G2-1	G-G3-1	G-G3-1	G-G4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0141	<0.0133	<0.0247	<0.0158	<0.0139	<0.013	<0.0148	<0.0156	<0.0251	<0.029	<0.0141
PCB 1221	5.5E+00	9.4E-01	<0.0141	<0.0133	<0.0247	<0.0158	<0.0139	<0.013	<0.0148	<0.0156	<0.0251	<0.029	<0.0141
PCB 1232	5.5E+00	9.4E-01	<0.0141	<0.0133	<0.0247	<0.0158	<0.0139	<0.013	<0.0148	<0.0156	<0.0251	<0.029	<0.0141
PCB 1242	5.5E+00	9.4E-01	<0.0141	<0.0133	<0.0247	<0.0158	<0.0139	<0.013	<0.0148	<0.0156	<0.0251	<0.029	<0.0141
PCB 1248	5.5E+00	9.4E-01	<0.00881	<0.00831	<0.0155	<0.00988	<0.00868	<0.00816	<0.00923	<0.00978	<0.0157	<0.0182	<0.00884
PCB 1254	5.5E+00	9.4E-01	<0.00881	<0.00831	<0.0155	<0.00988	<0.00868	<0.00816	<0.00923	<0.00978	<0.0157	<0.0182	<0.00884
PCB 1260	5.5E+00	9.4E-01	<0.00881	<0.00831	<0.0155	<0.00988	<0.00868	<0.00816	**0.143**	<0.00978	<0.0157	<0.0182	<0.00884

Notes:

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PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-H2-1	G-H2-1	G-H3-1	G-H3-1	G-H3-1	G-H3-1	UC-A2-1	UC-A2-1	UC-A3-1	UC-A3-1	UC-B4-2
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	1.0	2.0	3.0	4.0	1.0	2.0	1.0	2.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/23/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)													
PCB 1016	5.5E+00	9.4E-01	<0.0275	—	<0.0129	<0.0131	<0.0149	<0.0146	<0.0127	<0.129	<0.0125	<0.014	<0.129
PCB 1221	5.5E+00	9.4E-01	<0.0275	—	<0.0129	<0.0131	<0.0149	<0.0146	<0.0127	<0.129	<0.0125	<0.014	<0.129
PCB 1232	5.5E+00	9.4E-01	<0.0275	—	<0.0129	<0.0131	<0.0149	<0.0146	<0.0127	<0.129	<0.0125	<0.014	<0.129
PCB 1242	5.5E+00	9.4E-01	<0.0275	—	<0.0129	<0.0131	<0.0149	<0.0146	<0.0127	<0.129	<0.0125	<0.014	<0.129
PCB 1248	5.5E+00	9.4E-01	<0.0172	—	<0.0081	<0.0082	<0.00934	<0.00911	<0.00797	<0.0808	<0.00785	<0.00877	<0.0808
PCB 1254	5.5E+00	9.4E-01	<0.0172	—	<0.0081	<0.0082	<0.00934	<0.00911	<0.00797	<0.0808	<0.00785	<0.00877	<0.0808
PCB 1260	5.5E+00	9.4E-01	**2.51**	NA*	**1.12**	**1.4**	**0.997**	**0.0562**	**0.147**	<0.0808	**0.0195**	<0.00877	<0.0808

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

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ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

NA* = Not analyzed due to lab disposing of sample without notice.

PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.

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J = The identification of the analyte is acceptable; the report value is an estimate.

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J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 5. Summary of Polychlorinated biphenyls (PCBs) in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	UC-B4-2	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/23/2024	5/30/2024
POLYCHLORINATED BIPHENYLS - 8082 (mg/kg)				
PCB 1016	5.5E+00	9.4E-01	<0.0288	<0.0144
PCB 1221	5.5E+00	9.4E-01	<0.0288	<0.0144
PCB 1232	5.5E+00	9.4E-01	<0.0288	<0.0144
PCB 1242	5.5E+00	9.4E-01	<0.0288	<0.0144
PCB 1248	5.5E+00	9.4E-01	<0.0181	<0.009
PCB 1254	5.5E+00	9.4E-01	<0.0181	<0.009
PCB 1260	5.5E+00	9.4E-01	<0.0181	<0.009

Notes:
Yellow shaded concentrations exceed the Construction Worker ESLs.
Boxed concentrations exceed the Commercial/Industrial ESLs.
< = Not detected at or above method detection limit.
— = Sample not analyzed.
Bold = Detected concentration.
ESL = Environmental Screening Level.
ft bgs = Feet below ground surface.
mg/kg = Milligrams per kilogram.
NA* = Not analyzed due to lab disposing of sample without notice.
PCBs analyzed by United States Environmental Protection Agency (EPA) Method 8082.
RWQCB = Regional Water Quality Control Board.
J = The identification of the analyte is acceptable; the report value is an estimate.
J3 = The associated batch quality control was outside the established quality control for precision.
J5 = The sample matrix interfered with the ability to make any accurate determination; spike value is high.
[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-B1-1	BS-B1-1	BS-C1-1	BS-C1-1	BS-D1-1	BS-D1-1	BS-E1-1	BS-E1-1	BS-F1-1	BS-F1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	5.0	3.0	5.0	3.0	5.0	3.0	5.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/24/2024	5/24/2024	5/22/2024	5/22/2024	5/28/2024	5/28/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.35	<1.39	<1.4	<1.1	<0.997	<1.29	**5.9 B**	<1.28	<1.03	<0.989
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<4.73	<9.6	<0.96	<8.44	<16.2	<0.931	**11.4**	<9.13	—	—
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**75**	**173**	**9.62**	<15.3	**212**	**20.4**	**24.4**	**82.5**	—	—
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**61**	**212**	**12.4**	**51.2**	**204**	**21.1**	**12.6**	**99**	—	—

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

< = Not detected at or above method detection limit.

— = Sample not analyzed.

Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

RWQCB = Regional Water Quality Control Board.

Total Petroleum Hydrocarbons analyzed be United States Environmental Protection Agency (EPA) Method 8015.

TPH-g = Total Petroluem Hydrocarbons as gasoline.

TPH-d = Total Petroluem Hydrocarbons as diesel.

TPH-mo = Total Petroluem Hydrocarbons as motor oil.

B = Analyte also detected in the laboratory blank.

J = The identification of the analyte is acceptable; the report value is an estimate.

J3 = The associated batch quality control was outside the established quality control for precision.

J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-F1-1	BS-F1-1	BS-F1-1	BS-G1-1	BS-G1-1	BS-I1-1	BS-I1-1	BS-I1-1	BS-I2-1	BS-I2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	4.0	5.0	3.0	5.0	3.0	4.0	5.0	3.0	4.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.11	<1.2	<1.3	<1.19	**5.45 B**	<1.13	<1.83	<1.41	<1.28	<1.27
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<4.24	—	<0.897	<7.84	<0.982	<17.3	<42.3	**132**	<0.909	<0.917
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**30.2 J-**	—	<1.63	**73.4**	<1.78	**134**	**451**	**275**	**6**	<1.66
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**47.4**	—	<1.63	**94.9**	<1.78	**153**	**318**	**124**	<1.65	<1.66

Notes:

Yellow shaded concentrations exceed the Construction Worker ESLs.

Boxed concentrations exceed the Commercial/Industrial ESLs.

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Bold = Detected concentration.

ESL = Environmental Screening Level.

ft bgs = Feet below ground surface.

mg/kg = Milligrams per kilogram.

RWQCB = Regional Water Quality Control Board.

Total Petroleum Hydrocarbons analyzed be United States Environmental Protection Agency (EPA) Method 8015.

TPH-g = Total Petroluem Hydrocarbons as gasoline.

TPH-d = Total Petroluem Hydrocarbons as diesel.

TPH-mo = Total Petroluem Hydrocarbons as motor oil.

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	BS-I2-1	BS-I3-1	BS-I3-1	BS-I3-1	G/BS-A2-1	G/BS-A2-1	G/BS-A2-1	G/BS-A3-1	G/BS-A3-1	G/BS-D4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	5.0	3.0	4.0	5.0	3.0	4.0	5.0	3.0	5.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/28/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.36	<1.12	<1.28	<1.27	<1.46	**6.14 B**	<1.27	<1.19	<1.31	**13.1 B**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<0.945	<1.7	<0.91	<0.912	<0.972	—	<0.913	<4.35	**5.45**	<8.17
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	<1.71	**47 J-**	<1.65	<1.65	**9.84**	—	<1.66	**134**	**7.8**	**181**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	<1.71	**33.5**	<1.65	<1.65	**5.67**	—	<1.66	**102**	<1.68	**127**

Notes:

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TPH-mo = Total Petroluem Hydrocarbons as motor oil.

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/BS-D4-1	G/BS-F4-1	G/BS-F4-1	G/BS-H1-1	G/BS-H1-1	G/BS-H1-1	G/UC-B1-1	G/UC-B1-1	G/UC-B4-1	G/UC-B4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	5.0	3.0	5.0	3.0	4.0	5.0	3.0	5.0	1.0	2.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/28/2024	5/29/2024	5/29/2024	5/30/2024	5/30/2024	5/30/2024	5/21/2024	5/21/2024	5/23/2024	5/23/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	**3.84 B**	<1.28	<1.41	**348**	**34.4**	**45.7**	<1	<1.48	**8.35 T8**	<1.01 T8
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<45	<0.909	<0.957	**6.59**	<0.962	<0.945	<0.804	<1.01	—	—
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**351**	<1.65	**8.54**	**28.7**	<1.75	<1.71	<1.46	**14.5**	—	—
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**557**	<1.65	<1.74	**11.7**	<1.75	<1.71	<1.46	**11.1**	—	—

Notes:

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ESL = Environmental Screening Level.

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Total Petroleum Hydrocarbons analyzed be United States Environmental Protection Agency (EPA) Method 8015.

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-B4-1	G/UC-C1-1	G/UC-C1-1	G/UC-C1-1	G/UC-C1-1	G/UC-C1-1	G/UC-C4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	4.0	5.0	8.0	1.0	2.0	3.0	4.0	5.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/22/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.17 T8	<1.25 T8	<1.22 T8	<1.27 T8	<0.945 T8	<1.16 T8	<1.1	<1.17 T8	<1.27	**4.48 B**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	**4.47 J-**	—	<0.846	—	—	<79.3 T8	<81.5	<78.7 J6T8	<0.92	—
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**25.4 J-**	—	<1.54	—	—	**685 T8**	**784**	**1,060 T8V**	**6.09**	—
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**26.3**	—	<1.54	—	—	**895 T8**	**1,090**	**1,340 T8**	**7.19**	—

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Total Petroleum Hydrocarbons analyzed be United States Environmental Protection Agency (EPA) Method 8015.

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-C4-1	G/UC-C4-1	G/UC-C4-1	G/UC-C4-1	G/UC-H4-1	G/UC-H4-1	G/UC-H4-1	G/UC-I1-1	G/UC-I1-1	G/UC-I1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	3.0	4.0	5.0	3.0	4.0	5.0	3.0	4.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	**3.53 B**	**5.55 B**	**6 BT8**	<1.38	**4.95 B**	<1.3	<1.13	<1.38	<1.51	<1.39
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	**29.4**	<34.7 J3	<83.3	<0.948	**8.08**	<0.917	<0.851	<0.973	<0.974	<0.962
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**65.5**	**334 J3V**	**1,080**	<1.72	**51.5 J-**	<1.66	<1.54	**19.6**	<1.77	<1.75
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**27.4**	**380**	**1,310**	<1.72	**36**	<1.66	<1.54	**18.7**	<1.77	<1.75

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G/UC-I1-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I2-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I3-1	G/UC-I4-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	8.0	3.0	4.0	5.0	8.0	3.0	4.0	5.0	8.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.22	<1.45	<1.75	<1.4	<1.36	<1.16	<1.35	<1.18	<1.42	<1.17
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<0.883	<0.968	<0.965	<0.966	<0.95	<0.877	<0.916	<0.876	<0.982	**11.1**
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	<1.6	**6.55 J-**	<1.75	**9.33 J-**	<1.72	**4.96**	<1.66	<1.59	<1.78	**33.6**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	<1.6	<1.76	<1.75	**7.99**	<1.72	<1.59	<1.66	<1.59	<1.78	**19.5**

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Sample ID	2019 RWQCB	2019 RWQCB	G/UC-I4-1	G/UC-I4-1	G/UC-I4-1	G-A1-1	G-A1-1	G-A1-1	G-B2-1	G-B2-1	G-B3-1	G-B3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	4.0	5.0	8.0	3.0	4.0	5.0	3.0	5.0	3.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/20/2024	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.25	<1.22	<1.27	<1.11	**4.57 B**	<1.22	<1.45	—	<1.45	<1.42
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<0.894	<0.887	<0.905	<0.801	—	<0.901	**11.3**	<0.905	<0.922	<0.964
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**6.33**	<1.61	<1.64	**8.3**	—	**18.9**	**45.2**	**6.14**	<1.67	<1.75
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	<1.62	<1.61	<1.64	**7.74**	—	**19.4**	**23.7**	**8.06**	<1.67	<1.75

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Sample ID	2019 RWQCB	2019 RWQCB	G-C2-1	G-C2-1	G-C2-1	G-C2-1	G-C2-1	G-C3-1	G-C3-1	G-C3-1	G-C3-1	G-C3-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	4.0	5.0	1.0	2.0	3.0	4.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.01 T8	<1 T8	<0.976	<0.997 T8	<1.45	<1.12 T8	<1.31 T8	<0.945	<1.07 T8	<1.55
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	—	<79.1 T8	<156	<80.3 T8	<0.952	<79.1 T8	<0.88 T8	<15.6	<80.1 T8	<0.954
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	—	**773 T8**	**2,080**	**1,740 T8**	**16.1**	<144 T8	<1.6 T8	**145**	**1,210 T8**	**7.16**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	—	**999 T8**	**2,180**	**1,490 T8**	**16.4**	**651 T8**	<1.6 T8	**171**	**1,380 T8**	**5.86**

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-D1-1	G-D1-1	G-D1-1	G-D1-1	G-D1-1	G-D2-1	G-D2-1	G-D3-1	G-D3-1	G-E1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	4.0	5.0	3.0	5.0	3.0	5.0	3.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/22/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<0.985	<1.02	**13.1**	**6.68**	**5.42 B**	**12.7**	<1.04	<1.22	**9.78**	<1.17
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	—	<81.4	**553**	**388**	**404**	**27.7**	**4.64**	**37**	<17.9	<17.4
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	—	**922**	**700**	**743**	**880**	**85.9**	**22.8**	**122**	**200**	**124**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	—	**1,090**	**389**	**675**	**505**	**68.4**	**22.4**	**45.6**	**209**	**172**

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Total Petroleum Hydrocarbons analyzed be United States Environmental Protection Agency (EPA) Method 8015.

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Sample ID	2019 RWQCB	2019 RWQCB	G-E1-1	G-E1-1	G-E2-1	G-E2-1	G-E3-1	G-E3-1	G-F1-1	G-F1-1	G-F2-1	G-F2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	4.0	5.0	3.0	5.0	3.0	5.0	3.0	5.0	3.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/22/2024	5/22/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/28/2024	5/29/2024	5/29/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<0.958	<0.935	**5.29 B**	<1.09	**3.95 B**	<0.966	<1.43	<1.43	**243**	**275**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<78.2	<155	**8.4**	<4.21	<44.1	<7.74	<9.79	<0.97	**67**	**9.48**
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**890**	**859**	**52.1**	**76.9**	**421**	**69**	**55.7**	<1.76	**267**	**8.67**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**1,430**	**1,430**	**39.2**	**87**	**415**	**59.6**	**84.4**	<1.76	**236**	**10.1**

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-F3-1	G-F3-1	G-F3-1	G-F3-1	G-G1-1	G-G1-1	G-G1-1	G-G1-1	G-G1-1	G-G2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	1.0	2.0	3.0	5.0	1.0	2.0	3.0	4.0	5.0	1.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	**74.1 Q**	**35.3 B**	**41.6**	**26.5**	<1.17 T8	<1.01 T8	**80.1**	**45.6 T8**	**62.2**	<1.4 T8
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	—	**874**	**1,660**	**886**	—	**9.13**	**1,430**	**341 V**	**840**	—
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	—	**3,860**	**5,520**	**2,970**	—	**30.2**	**6,350**	**1,570 V**	**4,040**	—
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	—	**1,000**	**1,320**	**793**	—	**15.3**	**2,430**	**623**	**1,590**	—

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-G2-1	G-G2-1	G-G2-1	G-G2-1	G-G3-1	G-G3-1	G-G4-1	G-G4-1	G-H2-1	G-H2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	2.0	3.0	4.0	5.0	3.0	5.0	3.0	5.0	3.0	4.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	**4.58 BT8**	**117**	**17 BT8**	**12.7 B**	**4.3 B**	<1.36	**12.1 B**	<1.3	<1.11	<1.13
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	**12.5**	**3,920**	**503**	**181**	<0.906	<0.944	**9.22**	<0.928	**27.7**	**87.3**
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**54**	**20,000**	**2,580**	**900**	<1.64	<1.71	**27**	<1.68	**38.4**	**490**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**27**	**9,140**	**1,230**	**428**	<1.64	<1.71	**16.2**	<1.68	**21.5**	**220**

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Table 6. Summary of Total Petroleum Hydrocarbons in Soil. AB and I Redevelopment; Oakland, California.

Sample ID	2019 RWQCB	2019 RWQCB	G-H2-1	G-H3-1	G-H3-1	G-H3-1	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6-12.5
Sample Depth (ft bgs)	Direct Contact	Direct Contact	5.0	3.0	4.0	5.0	13.5	14.0	13.0	13.5	14.5	12.5
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/30/2024	5/30/2024	5/30/2024	5/30/2024	5/22/2024	5/22/2024	5/22/2024	5/22/2024	5/21/2024	5/23/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.33	<1.29	<1.27	<1.49	<1.16	<1.37	<1.32	<1.34	<1.28	**343**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	**325**	**310**	**17.8**	**22.3 J6**	**6.68**	<162	<0.922	<0.931	<0.905	**17.6**
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**2,390**	**2,280 J-**	**57.2**	**42.6 J3J6-**	**25.6**	**936**	<1.67	<1.69	<1.64	<1.56
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**1,250**	**1,170**	**22**	**20.7**	**13.7**	**1,490**	<1.67	<1.69	<1.64	<1.56

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Sample ID	2019 RWQCB	2019 RWQCB	GW-6-17.5	P-01	P-01	P-02	P-06	P-08	P-10	P-11-12.5	SVP-06-8	SVP-10-8
Sample Depth (ft bgs)	Direct Contact	Direct Contact	17.5	16.0	16.5	12.5	5.0	5.0	18.5	12.5	5.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/23/2024	5/22/2024	5/24/2024	5/28/2024	5/29/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	**15.3**	**209**	**2,340**	<1.33	**5.01 B**	<1.34	<1.2	<1.13	<1.35	**152**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<0.859	**169**	**37.6**	<0.932	**229**	<0.921	<0.874	<0.848	<1.89	<0.953
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	<1.56	**15.6**	<1.62	<1.69	**1,340**	**5.88**	<1.59	<1.54	<3.42	<1.73
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	<1.56	**11**	<1.62	<1.69	**936**	<1.67	<1.59	<1.54	<3.42	<1.73

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Sample ID	2019 RWQCB	2019 RWQCB	SVP-25-8	SVP-36-5	SVP-36-8	SVP-45-8	SVP-53-S	SVP-57-S	SVP-61-4	SVP-62-4	UC-A2-1	UC-A2-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	8.0	5.0	8.0	5.0	4.0	6.0	4.0	4.0	3.0	5.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/29/2024	5/29/2024	5/29/2024	5/28/2024	5/24/2024	5/24/2024	5/29/2024	5/29/2024	5/20/2024	5/20/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)												
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.35	**303**	**486**	**4.27 B**	**4.42 B**	**97.2**	<1.19	**30.6**	<1.07	<1.44
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<0.954	**3,510**	**681**	<4.38	<47.7	**7,040**	<0.886	**5.91**	<16.6	<0.979
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	<1.73	**7,590**	**1,410**	**62.1**	**456**	**5,040**	**8.94**	**23.9**	**165**	**8.16**
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	<1.73	**2,110**	**349**	**55.3**	**311**	**2540**	<1.61	**9.42**	**286**	**8.82**

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Sample ID	2019 RWQCB	2019 RWQCB	UC-A3-1	UC-A3-1	UC-B4-2	UC-B4-2	UC-H1-1	UC-H1-1	UC-H1-1	UC-H1-1
Sample Depth (ft bgs)	Direct Contact	Direct Contact	3.0	5.0	3.0	5.0	3.0	4.0	5.0	8.0
Sample Date	Construction Worker ESLs[1]	Commercial / Industrial ESLs[1]	5/20/2024	5/20/2024	5/23/2024	5/23/2024	5/30/2024	5/30/2024	5/30/2024	5/30/2024
PETROLEUM HYDROCARBONS - 8015 (mg/kg)										
TPH-g C5 - C12 Hydrocarbons	1.8E+03	2.0E+03	<1.15	<1.47	**8.1 B**	<1.09	<1.44	**6.15 B**	**7.13**	**10 B**
TPH-d C12-C22 Hydrocarbons	1.1E+03	1.2E+03	<33.8	**5.99**	**16.1**	<0.844	<0.993	<0.974	<0.953	<0.959
TPH-d C22-C32 Hydrocarbons	1.1E+03	1.2E+03	**553**	**8.74**	**93.9**	**9.75**	**13.2 J-**	<1.77	<1.73	<1.74
TPH-mo C32-C40 Hydrocarbons	5.4E+04	1.8E+05	**691**	<1.68	**72.2**	**6.53**	**11.4**	<1.77	<1.73	<1.74

Notes:

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J6 = The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Q = Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should beconsidered minimum values.

T8 = Sample received past/too close to holding time expiration.

V = The sample concentration is too high to evaluate accurate spike recoveries.

- = Result biased low due to laboratory quality assurance/quality control issues

+ = Result biased high due to laboratory quality assurance/quality control issues

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.

Table 7. Summary of Total Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID			GW-1-1	GW-2-1	GW-2-2	DUP-2[3]	GW-3-1	GW-3-2	GW-4-1	GW-4-2	GW-5-1	GW-5-2	GW-6-1	GW-6-2
Encountered Water-Bearing Zone[1]			1st	1st	2nd	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Sample Date	California	EPA	5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/21/2024	5/23/2024	5/24/2024	5/24/2024
Sample Interval (ft bgs)	MCL[2]	MCL[2]	13 - 13.5	13 - 13.5	18 - 25	18 - 25	12.5 - 15	18.5 - 20	13.5 - 14	22 - 23	10 - 14.5	20.5 - 25	17 - 18	21 - 22.5
METALS - 6020 (µg/l)														
Antimony	6.0E+00	6.0E+00	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Arsenic	1.0E+01	1.0E+01	**11.6**	**8.59**	**21.1**	**12.7**	**13.9**	**3.13**	**5.39**	<0.18	**2.24**	<0.18	**9.65**	<0.18
Barium	1.0E+03	2.0E+03	**201**	**384**	**390**	**477**	**1,050**	**237**	**2,610**	**208**	**215**	**138**	**218**	**259**
Beryllium	4.0E+00	4.0E+00	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Cadmium	5.0E+00	5.0E+00	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	**4.81**	<0.15	<0.15	<0.15	<0.15	<0.15
Chromium	5.0E+01	1.0E+02	**11.5 J**	**24.5 J**	**185**	**100**	**45.6**	**31.4**	**42**	**7**	**17.8**	**10.9 J**	**18.8**	**43.5**
Cobalt	NS	NS	**7.26**	**13.6**	**21.7**	**42**	**20.8**	**9.85**	**14.1**	**4.54**	**12.5**	**13.9**	**7.96**	**33.6**
Copper	NS	1.3E+03	**28.4**	**92**	**86.3**	**119**	**47.2**	**22.1**	**194**	**7.73**	**30.7**	**13**	**23.8**	**36.4**
Lead	NS	1.5E+01	**11.6**	**38.1**	**11.2**	**24.5**	**88.4**	**7.23**	**35.9**	<0.849	**8.18**	**3.88**	**5.35**	**7.53**
Molybdenum	NS	NS	<0.348	**14**	**279**	**20.8**	**12.7**	**60.1**	**5.98**	<0.348	**23**	**13.1**	**17.9**	<0.348
Nickel	1.0E+02	NS	**23**	**43.7**	**135**	**171**	**69.4**	**50.3**	**66.6**	**19.7**	**85.9**	**33.7**	**41.1**	**131**
Selenium	5.0E+01	5.0E+01	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Silver	NS	1.0E+02	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Thallium	2.0E+00	2.0E+00	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121
Vanadium	NS	NS	**20.3**	**42.9**	**63.2**	**141**	**51.5**	**30.1**	**54.4**	**13.3**	**24.4**	**22.9**	**27.2**	**58**
Zinc	NS	5.0E+03	**36 J**	**81.6 J**	**427**	**253**	**659**	**170**	**276**	<3.02	**49.2**	**54.4 J**	**65.6**	**118**
METALS - 7470A (µg/l)														
Mercury	2.0E+00	2.0E+00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.494 J**	<0.1	**0.896**

Notes:

Shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the California and Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NS = No standard established.

NA = Not applicable.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3] DUP-2 is the duplicate sample of GW-2-2.

[4] DUP-3 is the duplicate of sample P-06.

[5] DUP-1 is the duplicate of sample P-10.

Table 7. Summary of Total Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID			P-01	P-02	P-06	DUP-3[4]	P-08	P-10	DUP-1[5]	P-11	P-12	EB-052024	EB-052124	EB-052224
Encountered Water-Bearing Zone[1]			1st	1st	1st	1st	1st	1st	1st	1st	1st	NA	NA	NA
Sample Date	California	EPA	5/24/2024	5/24/2024	5/28/2024	5/28/2024	5/28/2024	5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/20/2024	5/21/2024	5/22/2024
Sample Interval (ft bgs)	MCL[2]	MCL[2]	16 - 17.5	12.5 - 13	5 - 6.5	5 - 6.5	5 - 10	18.5 - 20	18.5 - 20	12 - 13.5	5 - 8.5	NA	NA	NA
METALS - 6020 (µg/l)														
Antimony	6.0E+00	6.0E+00	<1.03	<1.03	<1.03	<1.03	**39.3**	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Arsenic	1.0E+01	1.0E+01	**30.5**	**10.6**	**7.22**	**7.69**	**11.8**	**3.82**	**3.75**	**4.56**	**5.41**	<0.18	<0.18	<0.18
Barium	1.0E+03	2.0E+03	**255**	**316**	**68.9**	**47.7**	**209**	**742**	**784**	**438**	**203**	<0.381	**5.29**	<0.381
Beryllium	4.0E+00	4.0E+00	<0.19	<0.19	<0.19	<0.19	<0.19	**8.59**	**9.33**	<0.19	<0.19	<0.19	<0.19	<0.19
Cadmium	5.0E+00	5.0E+00	<0.15	<0.15	<0.15	<0.15	**53.3**	**2.22**	**2.74**	**6.1**	<0.15	<0.15	<0.15	<0.15
Chromium	5.0E+01	1.0E+02	**5.13**	**28.5**	**15.4**	**9.5**	**67.1**	**50.7 J**	**37.8 J**	**32.4**	**30.2**	<1.24	<1.24	<1.24
Cobalt	NS	NS	**3.85**	**12.5**	**2.55**	<0.0596	**16.2**	**167**	**197**	**25.3**	**10.6**	<0.0596	<0.0596	<0.0596
Copper	NS	1.3E+03	**12.8**	**26.8**	**17.1**	**10.6**	**309**	**100**	**83.7**	**55.4**	**46.6**	<1.51	<1.51	<1.51
Lead	NS	1.5E+01	**5.58**	**8.39**	**7.6**	**5.01**	**9,470**	**37.4**	**31.7**	**97.6**	**75.1**	<0.849	<0.849	<0.849
Molybdenum	NS	NS	**14.8**	**8.67**	**23.1**	**20.1**	<0.348	<0.348	<0.348	<0.348	**49.2**	<0.348	<0.348	<0.348
Nickel	1.0E+02	NS	**11**	**51.9**	**15.4**	**9.57**	**84.3**	**330**	**364**	**98.8**	**55.9**	<0.816	<0.816	<0.816
Selenium	5.0E+01	5.0E+01	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Silver	NS	1.0E+02	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Thallium	2.0E+00	2.0E+00	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121
Vanadium	NS	NS	**6.09**	**39.6**	**52.3**	**35.7**	**67.2**	**121**	**117**	**47.8**	**32.6**	<0.664	<0.664	<0.664
Zinc	NS	5.0E+03	**51.2**	**82.9**	**31.5**	<3.02	**7,100**	**223 J**	**182 J**	**525**	**109**	<3.02	<3.02	<3.02
METALS - 7470A (µg/l)														
Mercury	2.0E+00	2.0E+00	<0.1	<0.1	<0.1	<0.1	<0.1	**1.32 J**	**1.68 J**	<0.1	<0.1	<0.1	<0.1	<0.1

Notes:

Shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the California and Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NS = No standard established.

NA = Not applicable.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3] DUP-2 is the duplicate sample of GW-2-2.

[4] DUP-3 is the duplicate of sample P-06.

[5] DUP-1 is the duplicate of sample P-10.

Table 7. Summary of Total Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID			EB-052324	EB-052424	EB-052824	EB-052924	EB-053024
Encountered Water-Bearing Zone[1]			NA	NA	NA	NA	NA
Sample Date	California	EPA	5/23/2024	5/24/2024	5/28/2024	5/29/2024	5/30/2024
Sample Interval (ft bgs)	MCL[2]	MCL[2]	NA	NA	NA	NA	NA
METALS - 6020 (µg/l)							
Antimony	6.0E+00	6.0E+00	<1.03	<1.03	<1.03	<1.03	<1.03
Arsenic	1.0E+01	1.0E+01	<0.18	<0.18	<0.18	<0.18	<0.18
Barium	1.0E+03	2.0E+03	<0.381	<0.381	<0.381	**2.95**	<0.381
Beryllium	4.0E+00	4.0E+00	<0.19	<0.19	<0.19	<0.19	<0.19
Cadmium	5.0E+00	5.0E+00	<0.15	<0.15	<0.15	<0.15	<0.15
Chromium	5.0E+01	1.0E+02	<1.24	<1.24	<1.24	<1.24	<1.24
Cobalt	NS	NS	<0.0596	<0.0596	<0.0596	<0.0596	<0.0596
Copper	NS	1.3E+03	<1.51	<1.51	<1.51	<1.51	<1.51
Lead	NS	1.5E+01	<0.849	<0.849	<0.849	<0.849	<0.849
Molybdenum	NS	NS	<0.348	<0.348	<0.348	<0.348	<0.348
Nickel	1.0E+02	NS	<0.816	<0.816	<0.816	<0.816	<0.816
Selenium	5.0E+01	5.0E+01	<0.3	<0.3	<0.3	<0.3	<0.3
Silver	NS	1.0E+02	<0.07	<0.07	<0.07	<0.07	<0.07
Thallium	2.0E+00	2.0E+00	<0.121	<0.121	<0.121	<0.121	<0.121
Vanadium	NS	NS	<0.664	<0.664	<0.664	<0.664	<0.664
Zinc	NS	5.0E+03	<3.02	<3.02	<3.02	<3.02	<3.02
METALS - 7470A (µg/l)							
Mercury	2.0E+00	2.0E+00	<0.1	<0.1	<0.1	<0.1	<0.1

Notes:

Shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the California and Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NS = No standard established.

NA = Not applicable.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3] DUP-2 is the duplicate sample of GW-2-2.

[4] DUP-3 is the duplicate sample of P-06.

[5] DUP-1 is the duplicate sample of P-10.

Table 8. Summary of Dissolved Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID			GW-1-1	GW-2-1	GW-2-2	DUP-2[3]	GW-3-1	GW-3-2	GW-4-1	GW-4-2	GW-5-1	GW-5-2	GW-6-1	GW-6-2
Encountered Water-Bearing Zone[1]			1st	1st	2nd	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Sample Date	California	EPA Federal	5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/21/2024	5/23/2024	5/24/2024	5/24/2024
Sample Interval (ft bgs)	MCL[2]	MCL[2]	13 - 13.5	13 - 13.5	18 - 25	18 - 25	12.5 - 15	18.5 - 20	13.5 - 14	22 - 23	10 - 14.5	20.5 - 25	17 - 18	21 - 22.5
METALS - 6010B (µg/l)														
Barium,Dissolved	1.0E+03	2.0E+03	**217**	**195**	**65.5**	**56.1**	**95.9**	**122**	**124**	**139**	**74.8**	**50.6**	**117**	**72.3**
Beryllium,Dissolved	4.0E+00	4.0E+00	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Chromium,Dissolved	5.0E+01	1.0E+02	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Cobalt,Dissolved	NS	NS	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Molybdenum,Dissolved	NS	NS	**5.52**	**56.9**	**85.7**	**75.6**	**21.2**	**45.7**	**9.53**	**7.53**	**75.6**	**48.1**	**34.5**	**40.3**
Vanadium,Dissolved	NS	NS	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99
METALS - 6020 (µg/l)														
Antimony,Dissolved	6.0E+00	6.0E+00	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Arsenic,Dissolved	1.0E+01	1.0E+01	**18.5**	**13.1**	**8.65**	**8.4**	**3.52**	<0.18	**2.26**	<0.18	**2.13**	<0.18	**13.7**	<0.18
Cadmium,Dissolved	5.0E+00	5.0E+00	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Copper,Dissolved	NS	1.3E+03	<1.51	**6.36**	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	**5.65**	<1.51	<1.51	<1.51
Lead,Dissolved	NS	1.5E+01	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849
Nickel,Dissolved	1.0E+02	NS	**4.62**	**7.36**	**3.46**	**3.43**	**11.1**	**10**	**7.78**	**7.09**	**43.3**	**7.62**	**12.8**	**28.1**
Selenium,Dissolved	5.0E+01	5.0E+01	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Silver,Dissolved	NS	1.0E+02	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Thallium,Dissolved	2.0E+00	2.0E+00	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121
Zinc,Dissolved	NS	5.0E+03	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02
METALS - 7470A (µg/l)														
Mercury,Dissolved	2.0E+00	2.0E+00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 J6	<0.1 J6	<0.1	<0.1	<0.1 J6O1-

Notes:

Yellow shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NA = Not applicable.

NS = No standard established.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.matrix interference.

J6 = The sample matrix interfered with the ability to make an accurate determination; spike value is low.

- = Result biased low due to laboratory quality assurance/quality control issues.

[1]First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2]Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3]DUP-2 is the duplicate sample of GW-2-2.

[4]DUP-3 is the duplicate of sample P-06.

[5]DUP-1 is the duplicate of sample P-10.

Table 8. Summary of Dissolved Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID			P-01	P-02	P-06	DUP-3[4]	P-08	P-10	DUP-1[5]	P-11	P-12	EB-052324	EB-052824
Encountered Water-Bearing Zone[1]			1st	1st	1st	1st	1st	1st	1st	1st	1st	NA	NA
Sample Date	California	EPA Federal	5/24/2024	5/24/2024	5/28/2024	5/28/2024	5/28/2024	5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/23/2024	5/28/2024
Sample Interval (ft bgs)	MCL[2]	MCL[2]	16 - 17.5	12.5 - 13	5 - 6.5	5 - 6.5	5 - 10	18.5 - 20	18.5 - 20	12 - 13.5	5 - 8.5	NA	NA
METALS - 6010B (µg/l)													
Barium,Dissolved	1.0E+03	2.0E+03	**218**	**192**	**21.4**	**22.2**	**91.2 O1**	**50**	**47.1**	**105**	**87.6**	<0.736	<0.736
Beryllium,Dissolved	4.0E+00	4.0E+00	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Chromium,Dissolved	5.0E+01	1.0E+02	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Cobalt,Dissolved	NS	NS	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84
Molybdenum,Dissolved	NS	NS	**13.4**	**17.5**	**27.7**	**27.1**	**28.1**	**25.4**	**25**	**17.8**	**102**	<1.16	<1.16
Vanadium,Dissolved	NS	NS	<4.99	<4.99	**24.2**	**21.8**	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99	<4.99
METALS - 6020 (µg/l)													
Antimony,Dissolved	6.0E+00	6.0E+00	<1.03	<1.03	<1.03	<1.03	**39.2**	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Arsenic,Dissolved	1.0E+01	1.0E+01	**29.3**	**6.95**	**8.01**	**7.85**	**5.51**	<0.18	<0.18	<0.18	**4.15**	<0.18	<0.18
Cadmium,Dissolved	5.0E+00	5.0E+00	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	**5.17**	<0.15	<0.15	<0.15
Copper,Dissolved	NS	1.3E+03	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
Lead,Dissolved	NS	1.5E+01	**2.22**	<0.849	<0.849	<0.849	**2.65**	<0.849	<0.849	<0.849	<0.849	<0.849	<0.849
Nickel,Dissolved	1.0E+02	NS	**5.26**	**8.07**	<0.816	<0.816	**12.4**	**5.66**	**4.3**	**4.45**	**7.11**	<0.816	<0.816
Selenium,Dissolved	5.0E+01	5.0E+01	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Silver,Dissolved	NS	1.0E+02	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07
Thallium,Dissolved	2.0E+00	2.0E+00	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121	<0.121
Zinc,Dissolved	NS	5.0E+03	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02	<3.02
METALS - 7470A (µg/l)													
Mercury,Dissolved	2.0E+00	2.0E+00	<0.1	<0.1	<0.1 J-	<0.1 J-	<0.1 J-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 J-

Notes:

Yellow shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NA = Not applicable.

NS = No standard established.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.matrix interference.

J6 = The sample matrix interfered with the ability to make an accurate determination; spike value is low.

- = Result biased low due to laboratory quality assurance/quality control issues.

[1]First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2]Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3]DUP-2 is the duplicate sample of GW-2-2.

[4]DUP-3 is the duplicate of sample P-06.

[5]DUP-1 is the duplicate of sample P-10.

Table 8. Summary of Dissolved Metals in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID Encountered Water-Bearing Zone[1] Sample Date Sample Interval (ft bgs)	California MCL[2]	EPA Federal MCL[2]
METALS - 6010B (µg/l)		
Barium,Dissolved	1.0E+03	2.0E+03
Beryllium,Dissolved	4.0E+00	4.0E+00
Chromium,Dissolved	5.0E+01	1.0E+02
Cobalt,Dissolved	NS	NS
Molybdenum,Dissolved	NS	NS
Vanadium,Dissolved	NS	NS
METALS - 6020 (µg/l)		
Antimony,Dissolved	6.0E+00	6.0E+00
Arsenic,Dissolved	1.0E+01	1.0E+01
Cadmium,Dissolved	5.0E+00	5.0E+00
Copper,Dissolved	NS	1.3E+03
Lead,Dissolved	NS	1.5E+01
Nickel,Dissolved	1.0E+02	NS
Selenium,Dissolved	5.0E+01	5.0E+01
Silver,Dissolved	NS	1.0E+02
Thallium,Dissolved	2.0E+00	2.0E+00
Zinc,Dissolved	NS	5.0E+03
METALS - 7470A (µg/l)		
Mercury,Dissolved	2.0E+00	2.0E+00

Notes:

Yellow shaded concentrations exceed the California MCLs.

Boxed concentrations exceed the Federal MCLs.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

MCL = Maximum Contaminant Level.

Metals analyzed by United States Environmental Protection Agency (EPA) Methods 6020/7471A.

NA = Not applicable.

NS = No standard established.

USEPA = United States Environmental Protection Agency.

µg/l = Micrograms per liter.

J = The identification of the analyte is acceptable; the report value is an estimate.

O1 = The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.matrix interference.

J6 = The sample matrix interfered with the ability to make an accurate determination; spike value is low.

- = Result biased low due to laboratory quality assurance/quality control issues.

[1]First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2]Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.

[3]DUP-2 is the duplicate sample of GW-2-2.

[4]DUP-3 is the duplicate of sample P-06.

[5]DUP-1 is the duplicate of sample P-10.

Table 9. Summary of VOCs in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID	2019	2019	GW-1-1	GW-2-1	GW-2-2	DUP-2[4]	GW-3-1	GW-3-2	GW-4-1	GW-4-2	GW-5-1	GW-5-2	GW-6-1	GW-6-2	P-01	P-02	P-06	DUP-3[5]	P-08	P-10	DUP-1[6]	P-11	P-12	EB-052024	EB-063124	EB-052224
Encountered Water-Bearing Zone[1]	**Direct**	**Commercial/Industrial**	**1st**	**1st**	**2nd**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**2nd**	**1st**	**1st**	**1st**	**1st**	**1st**	**1st**	**1st**	**1st**	**1st**	**NA**	**NA**	**NA**
Sample Date	**Exposure MCL**	**Groundwater VI**	**5/23/2024**	**5/23/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/21/2024**	**5/23/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/24/2024**	**5/28/2024**	**5/28/2024**	**5/28/2024**	**5/23/2024**	**5/23/2024**	**5/24/2024**	**5/24/2024**	**5/20/2024**	**5/21/2024**	**5/22/2024**
Sample Interval (ft bgs)	**Priority ESL[2]**	**Minimum Value[3]**	**13 - 13.5**	**13 - 13.5**	**18 - 25**	**18 - 25**	**12.5 - 15**	**18.5 - 20**	**13.5 - 14**	**22 - 23**	**10 - 14.5**	**20.5 - 25**	**17 - 18**	**21 - 22.5**	**16 - 17.5**	**12.5 - 13**	**5 - 6.5**	**5 - 6.5**	**5 - 10**	**18.5 - 20**	**18.5 - 20**	**12 - 13.5**	**5 - 8.5**	**NA**	**NA**	**NA**
VOLATILE ORGANIC COMPOUNDS - 8260B (µg/l)																										
1,1,1,2-Tetrachloroethane	5.7E-01	1.7E+01	<0.147	<0.147	<2.94	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<3.68	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147
1,1,1-Trichloroethane	2.0E+02	6.3E+03	<0.149	<0.149	<2.98J3	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<3.73J3	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
1,1,2,2-Tetrachloroethane	1.0E+00	1.4E+01	<0.133	<0.133	<2.66	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<3.33	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133
1,1,2-Trichloroethane	5.0E+00	2.3E+01	<0.158	<0.158	<3.16J3	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<3.95J3	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158
1,1,2-Trichlorotrifluoroethane	NS	NS	<0.18	<0.18	<3.6J3	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<4.5J3	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1-Dichloroethane	5.0E+00	3.3E+01	**1.27**	<0.1	<2	**3.65**	**2.91**	**4.75**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	**2.62**	**2.61**	**6.04**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	6.0E+00	2.8E+02	<0.188	<0.188	<3.76	**1.07**	**108**	**315**	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<4.7	**1.8**	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188
1,1-Dichloropropene	NS	NS	<0.142	<0.142	<2.84	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<3.55	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142
1,2,3-Trichlorobenzene	NS	NS	<0.23	<0.23	<4.6	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<5.75	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,2,3-Trichloropropane	5.0E-03	9.4E+01	<0.237	<0.237	<4.74	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<5.93	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237
1,2,3-Trimethylbenzene	NS	NS	<0.104	<0.104	<2.08	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	**6.7**	<0.104	**43.4**	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
1,2,4-Trichlorobenzene	5.0E+00	1.5E+02	<0.481	<0.481	<9.62	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<12	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481
1,2,4-Trimethylbenzene	NS	NS	<0.322	<0.322	<6.44	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<8.05	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322
1,2-Dibromo-3-Chloropropane	2.0E-01	3.4E-01	<0.276	<0.276	<5.52	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<6.9	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276
1,2-Dibromoethane	5.0E-02	7.6E-01	<0.126	<0.126	<2.52	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<3.15	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126
1,2-Dichlorobenzene	1.0E+02	1.1E+04	<0.107	<0.107	<2.14	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<2.68	<0.107	**2.04**	**1.9**	**1.41**	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107
1,2-Dichloroethane	5.0E-01	9.8E+00	<0.0819	<0.0819	<1.64	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<2.05	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819
1,2-Dichloropropane	5.0E+00	1.0E+01	<0.149	<0.149	<2.98	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<3.73	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
1,3,5-Trimethylbenzene	NS	NS	<0.104	<0.104	<2.08	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<2.6	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
1,3-Dichlorobenzene	6.0E+02	NS	<0.11	<0.11	<2.2	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<2.75	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,3-Dichloropropane	NS	NS	<0.11	<0.11	<2.2	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<2.75	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,4-Dichlorobenzene	5.0E+00	1.1E+01	<0.12	<0.12	<2.4	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<3	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
2,2-Dichloropropane	NS	NS	<0.161	<0.161	<3.22J3	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<4.03J3	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161
2-Butanone (MEK)	5.6E+03	9.5E+06	<1.19	<1.19	<23.8	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<29.8	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19
2-Chlorotoluene	NS	NS	<0.106	<0.106	<2.12	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<2.65	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106
4-Bromofluorobenzene	NS	NS	**15.2**	**16.1**	**16.9**	**16.1**	**16.6**	**16.4**	**16.1**	**16.3**	**17.5**	**15.5**	**15.2**	**16.3**	**16.1**	**16.4**	**17.8**	**17.6**	**17.7**	**15.6**	**15.6**	**16.4**	**16.1**	**17.4**	**17.2**	**17.7**
4-Chlorotoluene	NS	NS	<0.114	<0.114	<2.28	<0.114J4	<0.114J4	<0.114J4	<0.114J4	<0.114J4	<0.114	<0.114	<0.114J4	<0.114J4	<2.85	<0.114J4	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114J4	<0.114J4	<0.114	<0.114	<0.114
4-Methyl-2-pentanone (MIBK)	1.2E+02	2.3E+06	<0.478	<0.478	<9.56	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<12	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478
Acetone	1.4E+04	9.7E+07	<11.3	<11.3	<226	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<282	<11.3	<11.3J3	<11.3J3	<11.3J3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3
Acrolein	NS	NS	<2.54	<2.54	<50.8	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<63.5	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54
Acrylonitrile	NS	NS	<0.671	<0.671	<13.4	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<16.8	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671
Benzene	1.0E+00	1.8E+00	<0.0941	<0.0941	<1.88	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	**13**	<0.0941	**991 J3**	<0.0941	<0.0941	<0.0941	**2.45**	<0.0941	<0.0941	<0.0941J3	<0.0941	<0.0941	<0.0941	<0.0941
Bromobenzene	NS	NS	<0.118	<0.118	<2.36	<0.118J4	<0.118J4	<0.118J4	<0.118J4	<0.118J4	<0.118	<0.118	<0.118J4	<0.118J4	<2.95	<0.118J4	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118J4	<0.118J4	<0.118	<0.118	<0.118
Bromodichloromethane	8.0E+01	3.8E+00	<0.136	<0.136	<2.72	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<3.4	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136
Bromoform	8.0E+01	5.1E+02	<0.129	<0.129	<2.58J3J4	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<3.22J3J4	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129
Bromomethane	7.5E+00	7.3E+01	<0.605	<0.605	<12.1	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<15.1	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605
Carbon tetrachloride	5.0E-01	1.9E+00	<0.128	<0.128	<2.56	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<3.2	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128
Chlorobenzene	7.0E+01	1.7E+03	<0.116	<0.116	<2.32	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<2.9	<0.116	**1.54**	**1.34**	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116
Chlorodibromomethane	8.0E+01	NS	<0.14	<0.14	<2.8	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<3.5	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloroethane	2.1E+04	9.7E+04	<0.192	<0.192	<3.84J3	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<4.8J3	<0.192	<0.192J3	<0.192J3	<0.192J3	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192
Chloroform	8.0E+01	3.6E+00	<0.111	<0.111	<2.22	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<2.78	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111
Chloromethane	1.9E+02	1.1E+03	<0.96	<0.96	<19.2	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<24	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
cis-1,2-Dichloroethene	6.0E+00	2.1E+02	<0.126	<0.126	<2.52J3	<0.126	**1.35**	**2.39**	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<3.15J3	<0.126	**175**	**186**	**25.6**	**1.25**	**1.32**	<0.126	<0.126	<0.126	<0.126	<0.126
cis-1,3-Dichloropropene	NS	NS	<0.111	<0.111	<2.22	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<2.78	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111
Dibromomethane	NS	NS	<0.122	<0.122	<2.44	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<3.05	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122
Dichlorodifluoromethane	NS	NS	<0.374	<0.374	<7.48J3	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<9.35J3	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
Diisopropyl ether	NS	NS	<0.105	<0.105	<2.1J3	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<2.63J3	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
Ethylbenzene	3.0E+01	1.5E+01	<0.137	<0.137	<2.74	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	**5.33**	<0.137	**1.020**	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137
Hexachloro-1,3-butadiene	1.4E-01	1.3E+00	<0.337	<0.337	<6.74	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<8.43	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337
Isopropylbenzene	NS	NS	<0.105	<0.105	<2.1J3	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	**5.4**	<0.105	**89 J3**	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
Methyl tert-butyl ether	5.0E+00	2.0E+03	<0.101	<0.101	<2.02	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	**1.03**	<0.101	<0.101	<2.53	<0.101	<0.101	<0.101	<0.101	**1.64**	**1.69**	<0.101	<0.101	<0.101	<0.101	<0.101
Methylene Chloride	5.0E+00	9.4E+01	<0.43	<0.43	<8.6	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<10.7	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Naphthalene	1.7E-01	2.0E+01	<1	<1	<20	<1	<1	<1	<1	<1	<1	<1	**5.84**	<1	**275 J3**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	NS	NS	<0.157	<0.157	<3.14	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	**37.7**	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157J3	<0.157	<0.157
n-Propylbenzene	NS	NS	<0.0993	<0.0993	<1.99	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	**6.91**	<0.0993	**218**	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993
p-Isopropyltoluene	NS	NS	<0.12	<0.12	<2.4J3	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**2.55**	<0.12	<3J3	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
sec-Butylbenzene	NS	NS	<0.125	<0.125	<2.5J3	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	**4.26**	<0.125	<3.13J3	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Styrene	1.0E+01	3.6E+04	<0.118	<0.118	<2.36	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<2.95	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118
tert-Butylbenzene	NS	NS	<0.127	<0.127	<2.54	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<3.18	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127
Tetrachloroethene	5.0E+00	2.8E+00	<0.3	<0.3	<6	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<7.5	<0.3	<0.3	<0.3	<0.3	**5.57**	**6.1**	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	4.0E+01	4.9E+03	<0.278	<0.278	<5.56J3	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	**1.44**	<0.278	**70.7 J3**	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278
trans-1,2-Dichloroethene	1.0E+01	9.2E+02	<0.149	<0.149	<2.98J3	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<3.73J3	<0.149	**3.47**	**3.39**	**1.17**	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
trans-1,3-Dichloropropene	NS	NS	<0.118	<0.118	<2.36J4	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<2.95J4	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118
Trichloroethene	5.0E+00	7.5E+00	<0.19	<0.19	<3.8	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	**1.99**	<4.75	<0.19	**6.16**	**5.12**	<0.19	**6.26**	**6.42**	<0.19	<0.19	<0.19	<0.19	<0.19
Trichlorofluoromethane	NS	NS	<0.16	<0.16	<3.2J3	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<4J3	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Vinyl chloride	5.0E-01	1.4E-01	**2.81**	**1.26**	<4.68	**47.4**	**6.66**	**7.71**	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<5.85	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234
Xylenes, Total	2.0E+01	1.6E+03	<0.174	<0.174	<3.48J3	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<4.35J3	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174

Notes:

Yellow shaded concentrations exceed the ESLs Direct Exposure - MCL Priority.

Boxed concentrations exceed the minimum of the Cancer and Non-Cancer ESLs GW VI – Commercial/Industrial.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

ESL = Environmental screening level.

ft bgs = feet below ground surface.

MCL = Maximum contaminant level.

NA = Not applicable.

NS = No standard established.

TB = Trip Blank.

VI = Vapor Intrusion.

VOC = Volatile organic compound.

VOCs analyzed by Environmental Protection Agency Method 8260B.

µg/l = Micrograms per liter.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy

J = The identification of the analyte is acceptable; the report value is an estimate.

[1] First and second water-bearing zones were identified by Roux' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Direct Exposure: Human Health Risk Levels (Table GW-1), MCL Priority. January 2019.

[3] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion: Human Health Risk Levels (Table GW-3). January 2019.

[4] DUP-2 is the duplicate sample of GW-2-2.

[5] DUP-3 is the duplicate of sample P-06.

[6] DUP-1 is the duplicate of sample P-10.

Table 9. Summary of VOCs in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID	2019	2019	EB-052324	EB-052424	EB-052824	EB-052924	EB-053024	TB-052024	TB-01-052124	TB-2-052124	TB-052224	TB-052324	TB-052424	TB-052824	TB-052924	TB-053024
Encountered Water-Bearing Zone[1]	Direct	Commercial/Industrial	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Date	Exposure MCL	Groundwater VI	5/23/2024	5/24/2024	5/28/2024	5/29/2024	5/30/2024	5/20/2024	5/21/2024	5/21/2024	5/22/2024	5/23/2024	5/24/2024	5/28/2024	5/29/2024	5/30/2024
Sample Interval (ft bgs)	Priority ESL[2]	Minimum Value[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOLATILE ORGANIC COMPOUNDS - 8260B (µg/l)																
1,1,1,2-Tetrachloroethane	5.7E-01	1.7E+01	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147	<0.147
1,1,1-Trichloroethane	2.0E+02	6.3E+03	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
1,1,2,2-Tetrachloroethane	1.0E+00	1.4E+01	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133	<0.133
1,1,2-Trichloroethane	5.0E+00	2.3E+01	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158	<0.158
1,1,2-Trichlorotrifluoroethane	NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1-Dichloroethane	5.0E+00	3.3E+01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	6.0E+00	2.8E+02	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188	<0.188
1,1-Dichloropropene	NS	NS	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142	<0.142
1,2,3-Trichlorobenzene	NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,2,3-Trichloropropane	5.0E-03	9.4E+01	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237	<0.237
1,2,3-Trimethylbenzene	NS	NS	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
1,2,4-Trichlorobenzene	5.0E+00	1.5E+02	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481	<0.481
1,2,4-Trimethylbenzene	NS	NS	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322	<0.322
1,2-Dibromo-3-Chloropropane	2.0E-01	3.4E-01	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276	<0.276
1,2-Dibromoethane	5.0E-02	7.6E-01	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126
1,2-Dichlorobenzene	1.0E+02	1.1E+04	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107
1,2-Dichloroethane	5.0E-01	9.8E+00	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819	<0.0819
1,2-Dichloropropane	5.0E+00	1.0E+01	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
1,3,5-Trimethylbenzene	NS	NS	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
1,3-Dichlorobenzene	6.0E+02	NS	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,3-Dichloropropane	NS	NS	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
1,4-Dichlorobenzene	5.0E+00	1.1E+01	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
2,2-Dichloropropane	NS	NS	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161	<0.161
2-Butanone (MEK)	5.6E+03	9.5E+06	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19	<1.19
2-Chlorotoluene	NS	NS	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106
4-Bromofluorobenzene	NS	NS	**15.7**	**16.9**	**17.6**	**17**	**15.4**	**16.4**	**17.8**	**17.7**	**17.9**	**18.4**	**16.9**	**17.8**	**16.7**	**15.2**
4-Chlorotoluene	NS	NS	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114	<0.114
4-Methyl-2-pentanone (MIBK)	1.2E+02	2.3E+06	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478	<0.478
Acetone	1.4E+04	9.7E+07	<11.3	<11.3	<11.3J3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3	<11.3J3	<11.3	<11.3
Acrolein	NS	NS	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54	<2.54
Acrylonitrile	NS	NS	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671
Benzene	1.0E+00	1.8E+00	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941	<0.0941
Bromobenzene	NS	NS	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118
Bromodichloromethane	8.0E+01	3.8E+00	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136
Bromoform	8.0E+01	5.1E+02	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129
Bromomethane	7.5E+00	7.3E+01	<0.605	<0.605J4	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605	<0.605J4	<0.605	<0.605	<0.605
Carbon tetrachloride	5.0E-01	1.9E+00	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128
Chlorobenzene	7.0E+01	1.7E+03	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116	<0.116
Chlorodibromomethane	8.0E+01	NS	<0.14	<0.14	<0.14	<0.14	<0.14J4	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14J4
Chloroethane	2.1E+04	9.7E+04	<0.192	<0.192	<0.192J3	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192	<0.192J3	<0.192	<0.192
Chloroform	8.0E+01	3.6E+00	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111
Chloromethane	1.9E+02	1.1E+03	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
cis-1,2-Dichloroethene	6.0E+00	2.1E+02	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126
cis-1,3-Dichloropropene	NS	NS	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111
Dibromomethane	NS	NS	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122	<0.122
Dichlorodifluoromethane	NS	NS	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
Diisopropyl ether	NS	NS	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
Ethylbenzene	3.0E+01	1.5E+01	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137
Hexachloro-1,3-butadiene	1.4E-01	1.3E+00	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337	<0.337
Isopropylbenzene	NS	NS	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
Methyl tert-butyl ether	5.0E+00	2.0E+03	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
Methylene Chloride	5.0E+00	9.4E+01	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Naphthalene	1.7E-01	2.0E+01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	NS	NS	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157J3	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157	<0.157
n-Propylbenzene	NS	NS	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993	<0.0993
p-Isopropyltoluene	NS	NS	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
sec-Butylbenzene	NS	NS	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
Styrene	1.0E+01	3.6E+04	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118
tert-Butylbenzene	NS	NS	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127
Tetrachloroethene	5.0E+00	2.8E+00	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Toluene	4.0E+01	4.9E+03	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278	<0.278
trans-1,2-Dichloroethene	1.0E+01	9.2E+02	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149	<0.149
trans-1,3-Dichloropropene	NS	NS	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118	<0.118
Trichloroethene	5.0E+00	7.5E+00	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Trichlorofluoromethane	NS	NS	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Vinyl chloride	5.0E-01	1.4E-01	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234	<0.234
Xylenes, Total	2.0E+01	1.6E+03	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174	<0.174

Notes:

Yellow shaded concentrations exceed the ESLs Direct Exposure - MCL Priority.

Boxed concentrations exceed the minimum of the Cancer and Non-Cancer ESLs GW VI – Commercial/Industrial.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

ESL = Environmental screening level.

ft bgs = feet below ground surface.

MCL = Maximum contaminant level.

NA = Not applicable.

NS = No standard established.

TB = Trip Blank.

VI = Vapor Intrusion.

VOC = Volatile organic compound.

VOCs analyzed by Environmental Protection Agency Method 8260B.

µg/l = Micrograms per liter.

J3 = The associated batch quality control was outside the established quality control for precision.

J4 = The associated batch quality control was outside the established quality control for accuracy

J = The identification of the analyte is acceptable; the report value is an estimate.

[1] First and second water-bearing zones were identified by Roux' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Direct Exposure: Human Health Risk Levels (Table GW-1), MCL Priority. January 2019.

[3] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion: Human Health Risk Levels (Table GW-3). January 2019.

[4] DUP-2 is the duplicate sample of GW-2-2.

[5] DUP-3 is the duplicate of sample P-06.

[6] DUP-1 is the duplicate of sample P-10.

Table 10. Summary of Total Petroleum Hydrocarbons in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID	2019 Direct Exposure MCL Priority ESL[2]	GW-1-1	GW-2-1	GW-2-2	DUP-2[3]	GW-3-1	GW-3-2	GW-4-1	GW-4-2	GW-5-1	GW-5-2	GW-6-1	GW-6-2
Encountered Water-Bearing Zone[1]		1st	1st	2nd	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Sample Date		5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/24/2024	5/21/2024	5/23/2024	5/24/2024	5/24/2024
Sample Interval (ft bgs)		13 - 13.5	13 - 13.5	18 - 25	18 - 25	12.5 - 15	18.5 - 20	13.5 - 14	22 - 23	10 - 14.5	20.5 - 25	17 - 18	21 - 22.5
PETROLEUM HYDROCARBONS - 3511/8015 (µg/l)													
TPH-g C5 - C12 Hydrocarbons	7.6E+02	<30.4	<30.4	<30.4	<30.4	<30.4	**200 B**	<30.4	<30.4	**110 B**	<30.4	**928**	<30.4
TPH-d C12-C22 Hydrocarbons	2.0E+02	**122**	**1,670**	**293**	**477**	**393**	**155 B**	**598**	<33	**467**	<33	**812**	<33
TPH-d C22-C32 Hydrocarbons	2.0E+02	**247**	**700**	**320**	**421**	**288**	**172**	**452**	**150**	**610**	**114**	<33	<33
TPH-mo C32-C40 Hydrocarbons	NS	<33	**311**	<33	**118**	**102**	<33	**795**	<33	**268**	<33	<33	<33

Notes:

Yellow shaded concentrations exceed the ESLs Direct Exposure - MCL Priority.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

ESL = Environmental screening level.

MCL = Maximum contaminant limit.

NA = Not applicable.

NS = No standard established.

Total Petroluem Hydrocarbons analyzed by Environmental Protection Agency Method 3511/8015.

TPH-g = Total Petroluem Hydrocarbons as gasoline.

TPH-d = Total Petroluem Hydrocarbons as diesel.

TPH-mo = Total Petroluem Hydrocarbons as motor oil.

µg/l = Micrograms per liter.

B = The same analyte is found in the associated blank.

J4 = The associated batch quality control was outside the established quality control for accuracy

[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Direct Exposure: Human Health Risk Levels (Table GW-1), MCL Priority. January 2019.

[3] DUP-2 is the duplicate sample of GW-2-2.

[4] DUP-3 is the duplicate of sample P-06.

[5] DUP-1 is the duplicate of sample P-10.

Table 10. Summary of Total Petroleum Hydrocarbons in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID	2019 Direct Exposure MCL Priority ESL[2]	P-01	P-02	P-06	DUP-3[4]	P-08	P-10	DUP-1[5]	P-11	P-12	EB-052024	EB-052124	EB-052224
Encountered Water-Bearing Zone[1]		1st	1st	1st	1st	1st	1st	1st	1st	1st	NA	NA	NA
Sample Date		5/24/2024	5/24/2024	5/28/2024	5/28/2024	5/28/2024	5/23/2024	5/23/2024	5/24/2024	5/24/2024	5/20/2024	5/21/2024	5/22/2024
Sample Interval (ft bgs)		16 - 17.5	12.5 - 13	5 - 6.5	5 - 6.5	5 - 10	18.5 - 20	18.5 - 20	12 - 13.5	5 - 8.5	NA	NA	NA
PETROLEUM HYDROCARBONS - 3511/8015 (µg/l)													
TPH-g C5 - C12 Hydrocarbons	7.6E+02	**18,300**	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4	<30.4
TPH-d C12-C22 Hydrocarbons	2.0E+02	**2,680**	**347 B**	**382**	**405**	**2,030**	**102**	<33	**183**	**176 B**	<33	<33	<33 J4
TPH-d C22-C32 Hydrocarbons	2.0E+02	**507**	**250**	**268**	**333**	**2,890**	**166**	**136**	**208**	**122**	<33	<33	<33
TPH-mo C32-C40 Hydrocarbons	NS	<33	<33	<33	**199**	**1,200**	<33	<33	<33	<33	<33	<33	<33

Notes:

Yellow shaded concentrations exceed the ESLs Direct Exposure - MCL Priority.

< = Not detected at or above method detection limit.

Bold = Detected concentration.

EB = Equipment Blank.

ESL = Environmental screening level.

MCL = Maximum contaminant limit.

NA = Not applicable.

NS = No standard established.

Total Petroluem Hydrocarbons analyzed by Environmental Protection Agency Method 3511/8015.

TPH-g = Total Petroluem Hydrocarbons as gasoline.

TPH-d = Total Petroluem Hydrocarbons as diesel.

TPH-mo = Total Petroluem Hydrocarbons as motor oil.

µg/l = Micrograms per liter.

B = The same analyte is found in the associated blank.

J4 = The associated batch quality control was outside the established quality control for accuracy

[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.

[2] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Direct Exposure: Human Health Risk Levels (Table GW-1), MCL Priority. January 2019.

[3] DUP-2 is the duplicate sample of GW-2-2.

[4] DUP-3 is the duplicate of sample P-06.

[5] DUP-1 is the duplicate of sample P-10.

Table 10. Summary of Total Petroleum Hydrocarbons in Groundwater. AB and I Redevelopment; Oakland, California.

Sample ID	2019 Direct Exposure MCL Priority ESL[2]	EB-052324	EB-052424	EB-052824	EB-052924	EB-053024
Encountered Water-Bearing Zone[1]		NA	NA	NA	NA	NA
Sample Date		5/23/2024	5/24/2024	5/28/2024	5/29/2024	5/30/2024
Sample Interval (ft bgs)		NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS - 3511/8015 (µg/l)						
TPH-g C5 - C12 Hydrocarbons	7.6E+02	<30.4	<30.4	<30.4	<30.4	<30.4
TPH-d C12-C22 Hydrocarbons	2.0E+02	<33	<33	<33	<33	<33
TPH-d C22-C32 Hydrocarbons	2.0E+02	<33	<33	<33	<33	<33
TPH-mo C32-C40 Hydrocarbons	NS	<33	<33	<33	<33	<33

Notes:
Yellow shaded concentrations exceed the ESLs Direct Exposure - MCL Priority.
< = Not detected at or above method detection limit.
Bold = Detected concentration.
EB = Equipment Blank.
ESL = Environmental screening level.
MCL = Maximum contaminant limit.
NA = Not applicable.
NS = No standard established.
Total Petroluem Hydrocarbons analyzed by Environmental Protection Agency Method 3511/8015.
TPH-g = Total Petroluem Hydrocarbons as gasoline.
TPH-d = Total Petroluem Hydrocarbons as diesel.
TPH-mo = Total Petroluem Hydrocarbons as motor oil.
µg/l = Micrograms per liter.
B = The same analyte is found in the associated blank.
J4 = The associated batch quality control was outside the established quality control for accuracy
[1] First and second water-bearing zones were identified by Rouxs' field geologist based on moisture content observations from drill cuttings and the identification aquicludes (i.e., low permeability silts and clays) separating saturated material.
[2] San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Groundwater Direct Exposure: Human Health Risk Levels (Table GW-1), MCL Priority. January 2019.
[3] DUP-2 is the duplicate sample of GW-2-2.
[4] DUP-3 is the duplicate of sample P-06.
[5] DUP-1 is the duplicate of sample P-10.

Table 11. Summary of Active Soil Vapor Analytical Data. AB and I Redevelopment; Oakland, California.

Sample ID	2019 VI HHRL Commercial	2019 VI HHRL Commercial	2019 VI HHRL Commercial	SVP-06-5	SVP-06-8	SVP-10-5	SVP-DUP-01[2]	SVP-10-8	SVP-13-5	SVP-DUP-02[3]	SVP-13-8	SVP-25-5	SVP-25-8	SVP-32-8	SVP-36-5	SVP-36-8	SVP-41-5	SVP-41-8	SVP-45-5	SVP-52-8	SVP-53-5	SVP-53-8
Sample Depth (ft bgs)	Cancer ESL[1]	Non-Cancer ESL[1]	Minimum Value[1]	5	8	5	5	8	5	5	8	5	8	8	5	8	5	8	5	8	5	8
Sample Date				6/7/2024	6/8/2024	6/8/2024	6/8/2024	6/8/2024	6/7/2024	6/7/2024	6/8/2024	6/10/2024	6/7/2024	6/8/2024	6/7/2024	6/10/2024	6/7/2024	6/7/2024	6/7/2024	6/8/2024	6/8/2024	6/8/2024
VOLATILE ORGANIC COMPOUNDS VAPOR - EPA TO-15 (µg/m³)																						
1,1,1,2-Tetrachloroethane	5.5E+01	NS	5.5E+01	<2.9	<2.7	<5.8	<5.8	<320	<22	<22	<3.3	<27	<2.9	<5.5	<410	<110	<2.7	<2.7	<3	<3.2	<55	<7.6
1,1,1-Trichloroethane	NS	1.5E+05	1.5E+05	<2.3	<2.2	**19**	**19**	<250	<17	<17	<2.6	<22	<2.3	<4.4	<330	<85	<2.2	<2.2	<2.4	<2.5	<44	<6
1,1,2,2-Tetrachloroethane	7.0E+00	NS	7.0E+00	<2.9	<2.7	<5.8	<5.8	<320	<22	<22	<3.3	<27	<2.9	<5.5	<410	<110	<2.7	<2.7	<3	<3.2	<55	<7.6
1,1,2-Trichloroethane	2.6E+01	2.9E+01	2.6E+01	<2.3	<2.2	<4.6	<4.6	<250	<17	<17	<2.6	<22	<2.3	<4.4	<330	<85	<2.2	<2.2	<2.4	<2.5	<44	<6
1,1-Dichloroethane	2.6E+02	NS	2.6E+02	<1.7	<1.6	<3.4	<3.4	<190	<13	<13	<1.9	<16	**9.3**	**8.3**	**12,000**	**68**	<1.6	<1.6	**5.7**	<1.9	**41**	<4.5
1,1-Dichloroethene	NS	1.0E+04	1.0E+04	<1.7	<1.6	<3.4	<3.4	<180	<12	<12	<1.9	<16	<1.7	<3.2	<240	<62	<1.6	<1.6	<1.7	<1.8	<32	<4.4
1,1-Difluoroethane	NS	NS	NS	<5.7	<5.4	<11	<11	<620	<43	<43	<6.5	<54	<5.7	<11	<810	<210	<5.4	<5.4	<5.9	<6.2	<110	<15
1,2,4-Trichlorobenzene	NS	2.9E+02	2.9E+02	<3.1	<3	<6.3	<6.3	<340	<23	<23	<3.6	<30	<3.1	<5.9	<450	<120	<3	<3	<3.3	<3.4	<59	<8.2
1,2,4-Trimethylbenzene	NS	NS	NS	<2.1	<2	<4.2	<4.2	<230	<15	<15	<2.4	<20	<2.1	<3.9	**370**	**290**	**3.2**	<2	<2.2	**8.2**	**46**	<5.4
1,2-Dibromoethane	6.8E-01	1.2E+02	6.8E-01	3.2 U	<3.1	<6.5	<6.5	<350	<24	<24	<3.7	<31	<3.2	<6.1	<460	<120	<3.1	<3.1	<3.4	<3.5	<61	<8.5
1,2-Dichlorobenzene	NS	2.9E+04	2.9E+04	<2.5	<2.4	<5.1	<5.1	<280	<19	<19	<2.9	<24	<2.5	<4.8	<360	**140**	<2.4	<2.4	<2.6	<2.8	<48	<6.6
1,2-Dichloroethane	1.6E+01	1.0E+03	1.6E+01	<1.7	<1.6	<3.4	<3.4	<190	<13	<13	<1.9	<16	<1.7	<3.2	<240	<63	<1.6	<1.6	<1.8	<1.9	<32	<4.5
1,2-Dichloropropane	4.1E+01	5.8E+02	4.1E+01	<1.9	<1.8	<3.9	<3.9	<210	<15	<15	<2.2	<18	<1.9	<3.7	<280	<72	<1.8	<1.8	<2	<2.1	<37	<5.1
1,3,5-Trimethylbenzene	NS	NS	NS	<2.1	<2	<4.2	<4.2	<230	<15	<15	<2.4	<20	<2.1	<3.9	**300**	**340**	<2	<2	<2.2	**3.5**	**57**	<5.4
1,3-Dichlorobenzene	NS	NS	NS	<2.5	<2.4	<5.1	<5.1	<280	<19	<19	<2.9	<24	<2.5	<4.8	<360	**110**	<2.4	<2.4	<2.6	<2.8	<48	<6.6
1,4-Dichlorobenzene	3.7E+01	1.2E+05	3.7E+01	<2.5	<2.4	<5.1	<5.1	<280	<19	<19	<2.9	<24	<2.5	<4.8	**1,300**	**410**	<2.4	<2.4	<2.6	<2.8	<48	<6.6
2-Butanone	NS	7.3E+05	7.3E+05	**45**	**29**	<13	<13	<680	<46	<46	**7.2**	<59	**19**	**14**	<880	<230	<5.9	**10**	**6.8**	**14**	<120	<16
2-Hexanone	NS	NS	NS	**7.2**	<4.1	<8.7	<8.7	<470	<32	<32	<4.9	<41	<4.3	<8.2	<610	<160	<4.1	<4.1	<4.5	<4.7	<82	<11
4-Ethyltoluene	NS	NS	NS	<2.1	<2	<4.2	<4.2	<230	<15	<15	<2.4	<20	<2.1	<3.9	<290	**220**	<2	<2	<2.2	<2.3	<39	<5.4
4-Methyl-2-Pentanone	NS	4.4E+05	4.4E+05	**6.5**	**3.1**	<3.5	<3.5	<190	<13	<13	<2	<16	**7.9**	<3.3	<250	<64	<1.6	<1.6	<1.8	**6.9**	<33	<4.5
Acetone	NS	4.5E+06	4.5E+06	**130**	**150**	<10	<10	<550	<37	<37	**19**	<48	**50**	**160**	<710	<190	**14**	**66**	**18**	**53**	<95	**22**
Benzene	1.4E+01	4.4E+02	1.4E+01	**22**	**14**	<2.7 J	**10 J**	<150	**68**	**66**	**7.5**	<13	**4.7**	**36**	<190	**80**	**4.1**	**5**	**6**	**7.6**	**30**	**12**
Benzyl chloride	NS	NS	NS	<2.2	<2.1	<4.4	<4.4	<240	<16	<16	<2.5	<21	<2.2	<4.1	<310	<81	<2.1	<2.1	<2.3	<2.4	<41	<5.7
Bromodichloromethane	1.1E+01	NS	1.1E+01	<2.8	<2.7	<5.7	<5.7	<310	<21	<21	<3.2	<27	<2.8	<5.4	<400	< 100	<2.7	<2.7	<2.9	<3.1	<54	<7.4
Bromoform	3.7E+02	NS	3.7E+02	<4.3	<4.1	<8.8	<8.8	<480	<33	<33	<5	<41	<4.3	<8.3	<620	<160	<4.1	<4.1	<4.5	<4.8	<83	<11
Bromomethane	NS	7.3E+02	7.3E+02	<1.6	<1.6	<3.3	<3.3	<180	<12	<12	<1.9	<16	<1.6	<3.1	<230	<61	<1.6	<1.6	<1.7	<1.8	<31	<4.3
Carbon Disulfide	NS	NS	NS	**67**	**170**	<2.6	<2.6	**140**	**13**	**13**	**220**	**23**	**65**	**3.1**	**200**	<49	**13**	**49**	**8.7**	**44**	<25	**92**
Carbon Tetrachloride	6.8E+01	5.8E+03	6.8E+01	<2.6	<2.5	<5.3	<5.3	<290	<20	<20	<3	<25	<2.6	<5	<380	<98	<2.5	<2.5	<2.8	<2.9	<50	<6.9
Chlorobenzene	NS	7.3E+03	7.3E+03	<1.9	<1.8	<3.9	<3.9	<210	<15	<15	<2.2	<18	<1.9	<3.7	<280	<72	<1.8	<1.8	<2	<2.1	<37	<5.1
Chloroethane	NS	1.5E+06	1.5E+06	<1.1	<1.1	<2.2	<2.2	<120	**10**	<8.3	**4**	<11	**18**	<2.1	**100,000**	**1,700**	<1.1	<1.1	**3.4**	**1.7**	<21	<2.9
Chloroform	1.8E+01	1.4E+04	1.8E+01	**5.8**	**10**	<4.2	<4.2	<220	**19**	**19**	**34**	**30**	**9.4**	<3.9	<290	<76	**5.6**	**2.6**	<2.1	**9.1**	<39	<5.4
Chloromethane	NS	1.3E+04	1.3E+04	<0.87	<0.83	<1.8	<1.8	<95	<6.5	<6.5	**1.7**	<8.3	**1.4**	<1.7	<120	<32	<0.83	**3**	<0.91	**2.3**	<17	<2.3
cis-1,2-Dichloroethene	NS	1.2E+03	1.2E+03	**2.8**	**2.8**	<3.4	<3.4	<180	<12	<12	<1.9	<16	**85**	**32**	<240	<62	**1.7**	<1.6	**18**	<1.8	<32	<4.4
cis-1,3-Dichloropropene	NS	NS	NS	<1.9	<1.8	<3.9	<3.9	<210	<14	<14	<2.2	<18	<1.9	<3.6	<270	<71	<1.8	<1.8	<2	<2.1	<36	<5
Dibromochloromethane	NS	NS	NS	<3.6	<3.4	<7.2	<7.2	<390	<27	<27	<4.1	<34	<3.6	<6.8	<510	<130	<3.4	<3.4	<3.7	<3.9	<68	<9.4
Ethylbenzene	1.6E+02	1.5E+05	1.6E+02	**2**	**2.9**	<3.7	**45**	<200	<14	<14	<2.1	<17	**2.1**	<3.5	<260	<68	**2.6**	**2.5**	<1.9	**4.3**	**35**	<4.8
Freon 113	NS	NS	NS	<3.2	<3.1	<6.5	<6.5	<350	<24	<24	<3.7	<31	<3.2	<6.1	<460	<120	<3.1	<3.1	<3.4	<3.5	<61	<8.4
Freon 114	NS	NS	NS	<2.9	<2.8	<5.9	<5.9	<320	<22	<22	<3.4	<28	<2.9	<5.6	<420	<110	<2.8	<2.8	<3.1	<3.2	<56	<7.7
Freon 12	NS	NS	NS	<2.1	<2	<4.2	<4.2	<230	<16	<16	**2.6**	<20	**2.4**	<4	<300	<77	**3**	**2.9**	<2.2	**2.5**	<40	<5.4
Hexachlorobutadiene	1.9E+01	NS	1.9E+01	<4.5	<4.3	<9.1	<9.1	<490	<34	<34	<5.1	<43	<4.5	<8.5	<640	<170	<4.3	<4.3	<4.7	<4.9	<85	<12
Isopropanol (IPA)	NS	NS	NS	**79**	**7.9**	<10	<10	<570	<39	<39	**20**	<49	**20**	**420**	<740	<190	<4.9	**84**	<5.4	**38**	<98	**14**
m,p-Xylenes	NS	NS	NS	**4.9**	**9.2**	<7.4	<7.4	<400	<27	<27	<4.2	**45**	**8.2**	**8.4**	<520	<140	**5.9**	**5.5**	<3.8	**20**	<69	<9.6
Methylene Chloride	4.1E+02	5.8E+04	4.1E+02	**1.6**	<1.4	<3	<3	<160	<11	<11	**5.2**	<14	**2**	<2.8	<210	<54	<1.4	**4.8**	<1.5	**2.5**	<28	<3.8
MTBE	1.6E+03	4.4E+05	1.6E+03	<1.5	<1.4	<3.1	<3.1	<170	<11	<11	**6.5**	<14	<1.5	**5.5**	<220	<56	<1.4	<1.4	**9.4**	<1.7	<29	<4
Naphthalene	1.2E+01	4.4E+02	1.2E+01	<11	<10	<22	<22	<1200	<83	<83	<13	<100	<11	<21	<1600	<410	<10	<10	<12	<12	<210	<29
n-Hexane	NS	NS	NS	**180**	**190**	**3.2 J**	**34 J**	**26,000**	**2,100**	**2,100**	**350**	**940**	**73**	**520**	**18,000**	**9,400**	<1.4	**2.8**	**200**	**21**	**5,900**	**900**
o-Xylene	NS	NS	NS	**1.8**	**3**	<3.7	<3.7	<200	<14	<14	<2.1	<17	**3.4**	**5**	**520**	**350**	**3.2**	**2.5**	<1.9	**5.5**	<35	<4.8
Styrene	NS	1.3E+05	1.3E+05	<1.8	<1.7	<3.6	<3.6	<200	<13	<13	<2	<17	<1.8	<3.4	<260	<66	<1.7	<1.7	<1.9	<2	<34	<4.7
Tetrachloroethene	6.7E+01	5.8E+03	6.7E+01	**6.3**	**4.1**	**840**	**860**	<310	<21	<21	**3.5**	**270**	**1,100**	**9.7**	<410	<110	**22**	**5.4**	**5.1**	<3.1	<54	<7.5
Toluene	NS	4.4E+04	4.4E+04	**21**	**50**	<3.2	<3.2	<170	**49**	**47**	**17**	**54**	**17**	**7.4**	<230	**75**	**17**	**25**	**3.7**	**46**	**57**	**17**
trans-1,2-Dichloroethene	NS	1.2E+04	1.2E+04	<1.7	<1.6	<3.4	<3.4	<180	<12	<12	<1.9	<16	**29**	**8.3**	<240	<62	<1.6	<1.6	<1.7	<1.8	<32	<4.4
trans-1,3-Dichloropropene	NS	NS	NS	<1.9	<1.8	<3.9	<3.9	<210	<14	<14	<2.2	<18	<1.9	<3.6	<270	<71	<1.8	<1.8	<2	<2.1	<36	<5
Trichloroethene	1.0E+02	2.9E+02	1.0E+02	<2.3	**2.4**	<4.6	<4.6	<250	<17	<17	<2.6	**65**	**250**	<4.3	<320	<84	**17**	<2.1	<2.4	<2.5	<43	<5.9
Trichlorofluoromethane	NS	NS	NS	<2.4	<2.2	<4.8	<4.8	<260	<18	<18	<2.7	<22	<2.4	<4.5	<340	<88	<2.2	<2.2	<2.5	<2.6	<45	<6.2
Vinyl Acetate	NS	NS	NS	<7.4	<7	<15	<15	<810	<55	<55	<8.5	<70	<7.4	<14	<1100	<270	<7	<7	<7.7	<8.1	<140	<19
Vinyl Chloride	5.2E+00	1.5E+04	5.2E+00	<1.1	<1	<2.2	<2.2	<120	<8.1	<8.1	<1.2	<10	<1.1	**41**	**250**	<40	<1	<1	**98**	<1.2	<20	<2.8
Xylene (total)	NS	1.5E+04	1.5E+04	**6.7**	**12**	<3.7	<3.7	<200	<14	<14	<2.1	**45**	**12**	**13**	**520**	**350**	**9.1**	**8**	<1.9	**26**	<35	<4.8
PETROLEUM HYDROCARBONS - EPA TO-3M (µg/m³)																						
TPH Gasoline	NS	8.3E+04	8.3E+04	**8,300**	**8,200**	**1,300 J**	**1,800 J**	**2,300,000**	**150,000**	**150,000**	**11,000**	**180,000**	**14,000**	**22,000**	**2,000,000**	**890,000**	**4,300**	**6,500**	**19,000**	**3,900**	**130,000**	**25,000**
GASES - ASTM D1946 (%v/v)																						
Carbon Dioxide	NS	NS	NS	**15**	**14**	**4**	**4**	**0.78**	**17**	**17**	**0.68**	**3.1**	**1.1**	**1.6**	**0.46**	**1**	**3.2**	**0.92**	**2.1**	**1.1**	**0.46**	**1.1**
Carbon Monoxide	NS	NS	NS	<0.21	<0.2	<0.17	<0.17	<0.23	<0.21	<0.21	<0.24	<0.24	<0.21	<0.2	<0.24	<0.26	<0.2	<0.2	<0.22	<0.23	<0.2	<0.22
Helium	NS	NS	NS	<0.21	<0.2	<0.17	<0.17	**0.36**	<0.21	<0.21	<0.24	<0.24	<0.21	<0.2	<0.24	**0.39**	<0.2	<0.2	<0.22	<0.23	<0.2	<0.22
Methane	NS	NS	NS	**2.8**	**2.8**	<0.17	<0.17	**0.86**	**52**	**52**	**0.25**	**0.49**	<0.21	**2.5**	**16**	**1.9**	<0.2	<0.2	**6**	<0.23	**5.3**	**0.69**
Nitrogen	NS	NS	NS	**77**	**79**	**79**	**79**	**82**	**28**	**28**	**78**	**75**	**76**	**91**	**68**	**78**	**89**	**83**	**87**	**77**	**89**	**82**
Oxygen	NS	NS	NS	<0.21	<0.2	**14**	**14**	**12**	<0.21	<0.21	**16**	**16**	**18**	<0.2	<9.2	**14**	**3.2**	**13**	<0.22	**19**	<0.2	**12**

Notes:

Yellow shaded concentrations exceed the minimum of the SFBRWQCB 2019 VI HHRL Commercial/Industrial Cancer and Non-Cancer ESL.

< = Not detected above laboratory reporting limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

Fixed Gases analyzed by American Society for Testing and Materials (ASTM) Method D1946.

ft bgs = Feet below ground surface.

HHRL = Human Health Risk Level.

NS = No standard established.

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

Total Petroluem Hydrocarbons (TPH) analyzed by USEPA Method TO-3.

VI = Vapor Intrusion.

Volatile organic compounds (VOCs) analyzed by United States Protection Agency (USEPA) Method TO-15.

When the applicable state standard applies to mixed isomers and the laboratory reports individual isomers, the total standard is listed for each isomer.

µg/m³ = Micrograms per cubic meter.

%v/v = Percent Volume by Volume.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1). January 2019.

[2]SVP-DUP-01 duplicate sample of primary sample SVP-10-5.

[3]SVP-DUP-02 duplicate sample of primary sample SVP-13-5.

[4]SVP-DUP-3 duplicate sample of primary sample SVP-62-4.

Table 11. Summary of Active Soil Vapor Analytical Data. AB and I Redevelopment; Oakland, California.

Sample ID				SVP-57-5	SVP-62-4	SVP-DUP-03[4]
Sample Depth (ft bgs)	2019 VI HHRL Commerical	2019 VI HHRL Commerical	2019 VI HHRL Commerical	5	4	4
Sample Date	Cancer ESL[1]	Non-Cancer ESL[1]	Minimum Value[1]	6/8/2024	6/11/2024	6/8/2024
VOLATILE ORGANIC COMPOUNDS VAPOR - EPA TO-15 (µg/m³)						
1,1,1,2-Tetrachloroethane	5.5E+01	NS	5.5E+01	<13	<41	<33
1,1,1-Trichloroethane	NS	1.5E+05	1.5E+05	<10	<33	<26
1,1,2,2-Tetrachloroethane	7.0E+00	NS	7.0E+00	<13	<41	<33
1,1,2-Trichloroethane	2.6E+01	2.9E+01	2.6E+01	<10	<33	<26
1,1-Dichloroethane	2.6E+02	NS	2.6E+02	**55**	<24	<19
1,1-Dichloroethene	NS	1.0E+04	1.0E+04	<7.3	<24	<19
1,1-Difluoroethane	NS	NS	NS	<25	<81	<65
1,2,4-Trichlorobenzene	NS	2.9E+02	2.9E+02	<14	<45	<36
1,2,4-Trimethylbenzene	NS	NS	NS	**260**	<29	<24
1,2-Dibromoethane	6.8E-01	1.2E+02	6.8E-01	<14	<46	<37
1,2-Dichlorobenzene	NS	2.9E+04	2.9E+04	<11	<36	<29
1,2-Dichloroethane	1.6E+01	1.0E+03	1.6E+01	<7.4	<24	<19
1,2-Dichloropropane	4.1E+01	5.8E+02	4.1E+01	<8.5	<28	<22
1,3,5-Trimethylbenzene	NS	NS	NS	**180**	<29	<24
1,3-Dichlorobenzene	NS	NS	NS	<11	<36	<29
1,4-Dichlorobenzene	3.7E+01	1.2E+05	3.7E+01	<11	**270**	**300**
2-Butanone	NS	7.3E+05	7.3E+05	**36**	<88	<71
2-Hexanone	NS	NS	NS	<19	<61	<49
4-Ethyltoluene	NS	NS	NS	**74**	<29	<24
4-Methyl-2-Pentanone	NS	4.4E+05	4.4E+05	**49**	<25	<20
Acetone	NS	4.5E+06	4.5E+06	**160**	**77**	**100**
Benzene	1.4E+01	4.4E+02	1.4E+01	**170**	**71**	**77**
Benzyl chloride	NS	NS	NS	<9.5	<31	<25
Bromodichloromethane	1.1E+01	NS	1.1E+01	<12	<40	<32
Bromoform	3.7E+02	NS	3.7E+02	<19	<62	<50
Bromomethane	NS	7.3E+02	7.3E+02	<7.1	<23	<19
Carbon Disulfide	NS	NS	NS	**180**	**24**	**28**
Carbon Tetrachloride	6.8E+01	5.8E+03	6.8E+01	<12	<38	<30
Chlorobenzene	NS	7.3E+03	7.3E+03	<8.5	**2,800**	**2,900**
Chloroethane	NS	1.5E+06	1.5E+06	**6.1**	<16	<13
Chloroform	1.8E+01	1.4E+04	1.8E+01	<9	<29	<23
Chloromethane	NS	1.3E+04	1.3E+04	<3.8	<12	<9.9
cis-1,2-Dichloroethene	NS	1.2E+03	1.2E+03	**27**	**60**	**65**
cis-1,3-Dichloropropene	NS	NS	NS	<8.4	<27	<22
Dibromochloromethane	NS	NS	NS	<16	<51	<41
Ethylbenzene	1.6E+02	1.5E+05	1.6E+02	**71**	<26	<21
Freon 113	NS	NS	NS	<14	<46	<37
Freon 114	NS	NS	NS	<13	<42	<34
Freon 12	NS	NS	NS	<9.1	<30	<24
Hexachlorobutadiene	1.9E+01	NS	1.9E+01	<20	<64	<51
Isopropanol (IPA)	NS	NS	NS	<23	<74	<59
m,p-Xylenes	NS	NS	NS	**100**	<52	<42
Methylene Chloride	4.1E+02	5.8E+04	4.1E+02	<6.4	<21	<17
MTBE	1.6E+03	4.4E+05	1.6E+03	<6.6	<22	<17
Naphthalene	1.2E+01	4.4E+02	1.2E+01	<48	<160	<130
n-Hexane	NS	NS	NS	**1,100**	**3,400**	**3,900**
o-Xylene	NS	NS	NS	**120**	<26	<21
Styrene	NS	1.3E+05	1.3E+05	<7.8	<26	<20
Tetrachloroethene	6.7E+01	5.8E+03	6.7E+01	**19**	<41	<33
Toluene	NS	4.4E+04	4.4E+04	**100**	**53**	**57**
trans-1,2-Dichloroethene	NS	1.2E+04	1.2E+04	**9.3**	<24	<19
trans-1,3-Dichloropropene	NS	NS	NS	<8.4	<27	<22
Trichloroethene	1.0E+02	2.9E+02	1.0E+02	**19**	**130**	**130**
Trichlorofluoromethane	NS	NS	NS	<10	<34	<27
Vinyl Acetate	NS	NS	NS	<32	<110	<85
Vinyl Chloride	5.2E+00	1.5E+04	5.2E+00	**320**	**64**	**70**
Xylene (total)	NS	1.5E+04	1.5E+04	**220**	<26	<21
PETROLEUM HYDROCARBONS - EPA TO-3M (µg/m³)						
TPH Gasoline	NS	8.3E+04	8.3E+04	**170,000**	**110,000**	**110,000**
GASES - ASTM D1946 (%v/v)						
Carbon Dioxide	NS	NS	NS	**0.48**	**0.41**	**0.42**
Carbon Monoxide	NS	NS	NS	<0.23	<0.24	<0.24
Helium	NS	NS	NS	<0.23	<0.24	<0.24
Methane	NS	NS	NS	**24**	**1.9**	**1.9**
Nitrogen	NS	NS	NS	**70**	**75**	**75**
Oxygen	NS	NS	NS	<0.23	**17**	**17**

Notes:

Yellow shaded concentrations exceed the minimum of the SFBRWQCB 2019 VI HHRL Commercial/Industrial Cancer and

< = Not detected above laboratory reporting limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

Fixed Gases analyzed by American Society for Testing and Materials (ASTM) Method D1946.

ft bgs = Feet below ground surface.

HHRL = Human Health Risk Level.

NS = No standard established.

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

Total Petroluem Hydrocarbons (TPH) analyzed by USEPA Method TO-3.

VI = Vapor Intrusion.

Volatile organic compounds (VOCs) analyzed by United States Protection Agency (USEPA) Method TO-15.

When the applicable state standard applies to mixed isomers and the laboratory reports individual isomers, the total standa

µg/m³ = Micrograms per cubic meter.

%v/v = Percent Volume by Volume.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Sub

[2]SVP-DUP-01 duplicate sample of primary sample SVP-10-5.

[3]SVP-DUP-02 duplicate sample of primary sample SVP-13-5.

[4]SVP-DUP-3 duplicate sample of primary sample SVP-62-4.

Table 12. Summary of Passive Soil Vapor Analytical Data. AB and I Redevelopment; Oakland, California.

Sample ID Start Date End Date	2019 VI HHRL Commerical Cancer ESL[1]	2019 VI HHRL Commerical Non-Cancer ESL[1]	2019 VI HHRL Commerical Minimum Value[1]	PSG-10A 5/20/2024 6/4/2024	DUP-01[2] 5/20/2024 6/4/2024	PSG-10B 5/20/2024 6/4/2024	PSG-10C 5/20/2024 6/4/2024	PSG-10D 5/20/2024 6/4/2024	PSG-25A 5/20/2024 6/4/2024	PSG-25B 5/20/2024 6/4/2024
VOLATILE ORGANIC COMPOUNDS - EPA 8260C (µg/m³)										
1,1,1,2-Tetrachloroethane	5.5E+01	NS	5.5E+01	<1.13	<1.13	<1.14	<1.13	<1.14	<1.15	<1.15
1,1,1-Trichloroethane	NS	1.5E+05	1.5E+05	<0.44	<0.44	<0.45	<0.44	<0.45	<0.45	<0.45
1,1,2-Trichloroethane	2.6E+01	2.9E+01	2.6E+01	<1.41	<1.41	<1.42	<1.4	<1.42	<1.42	<1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	NS	NS	NS	<0.52	<0.52	<0.53	<0.52	<0.53	<0.53	<0.53
1,1-Dichloroethane	2.6E+02	NS	2.6E+02	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
1,1-Dichloroethene	NS	1.0E+04	1.0E+04	<1.41	<1.41	<1.42	<1.4	<1.42	<1.42	<1.42
1,2,3-Trichlorobenzene	NS	NS	NS	<1.19	<1.19	<1.2	<1.19	<1.2	<1.21	<1.2
1,2,3-Trichloropropane	NS	4.4E+01	4.4E+01	<0.62	<0.62	<0.62	<0.62	<0.62	<0.63	<0.63
1,2,4-Trichlorobenzene	NS	2.9E+02	2.9E+02	<1.19	<1.19	<1.2	<1.19	<1.2	<1.21	<1.2
1,2,4-Trimethylbenzene	NS	NS	NS	<1.4	<1.4	<1.41	<1.4	<1.41	<1.42	<1.42
1,2-Dibromoethane (EDB)	6.8E-01	1.2E+02	6.8E-01	<0.6	<0.6	<0.6	<0.59	<0.6	<0.6	<0.6
1,2-Dichlorobenzene	NS	2.9E+04	2.9E+04	<0.62	<0.62	<0.62	<0.62	<0.62	<0.63	<0.63
1,2-Dichloroethane	1.6E+01	1.0E+03	1.6E+01	<0.83	<0.83	<0.84	<0.83	<0.83	<0.84	<0.84
1,3,5-Trimethylbenzene	NS	NS	NS	<1.4	<1.4	<1.41	<1.4	<1.41	<1.42	<1.42
1,3-Dichlorobenzene	NS	NS	NS	<0.62	<0.62	<0.62	<0.62	<0.62	<0.63	<0.63
1,4-Dichlorobenzene	3.7E+01	1.2E+05	3.7E+01	<0.62	<0.62	<0.62	<0.62	<0.62	<0.63	<0.63
1,4-Dioxane	5.3E+01	4.4E+03	5.3E+01	<1.13	<1.13	<1.14	<1.13	<1.14	<1.15	<1.15
2-Methylnaphthalene	NS	NS	NS	<1.53	<1.53	<1.54	<1.52	<1.54	<1.55	<1.55
Benzene	1.4E+01	4.4E+02	1.4E+01	**2.79**	**3.46**	**2.43**	<2.19	<2.21	**14.3**	**25**
Carbon Tetrachloride	6.8E+01	5.8E+03	6.8E+01	<1.08	<1.08	<1.09	<1.08	<1.09	<1.09	<1.09
Chlorobenzene	NS	7.3E+03	7.3E+03	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55
Chloroform	1.8E+01	1.4E+04	1.8E+01	<1.33	<1.33	<1.34	<1.32	<1.34	<1.34	<1.34
cis-1,2-Dichloroethene	NS	1.2E+03	1.2E+03	<0.88	<0.88	<0.88	<0.87	<0.88	<0.89	<0.89
Ethylbenzene	1.6E+02	1.5E+05	1.6E+02	<1.37	<1.37	<1.38	<1.36	<1.38	**1.57**	**2.07**
Isopropylbenzene	NS	NS	NS	<1.4	<1.4	<1.41	<1.4	<1.41	<1.42	<1.42
Methylene Chloride	4.1E+02	5.8E+04	4.1E+02	<1.33	<1.33	<1.34	<1.32	<1.34	<1.34	<1.34
Methyl-t-butyl ether	1.6E+03	4.4E+05	1.6E+03	<2.33	<2.33	<2.34	<2.32	<2.34	<2.35	<2.35
Naphthalene	1.2E+01	4.4E+02	1.2E+01	<1.45	<1.45	<1.46	<1.45	<1.46	<1.47	<1.47
o-Xylene	NS	NS	NS	<1.32	<1.32	**2.08**	<1.32	<1.33	**2.9**	**2.5**
p & m-Xylene	NS	NS	NS	<1.32	<1.32	**4.53**	<1.32	**2.26**	**5.67**	**4.52**
Tetrachloroethene	6.7E+01	5.8E+03	6.7E+01	**19.1**	**16.5**	**14.6**	**103**	**21.8**	<1.15	**1.88**
Toluene	NS	4.4E+04	4.4E+04	<2.91	<2.91	<2.92	<2.9	<2.92	**19.8**	**35.7**
TPH C10-C15	NS	3.7E+04	3.7E+04	<337	<337	<339	<336	<339	<341	**6,730**
TPH C4-C9	NS	8.3E+04	8.3E+04	<394	<394	<396	<393	<396	**1,940**	**10,400**
trans-1,2-Dichloroethene	NS	1.2E+04	1.2E+04	<1.06	<1.06	<1.06	<1.05	<1.06	<1.07	<1.07
Trichloroethene	1.0E+02	2.9E+02	1.0E+02	**2.22**	**2.4**	**2.95**	**7.58**	**6.9**	<1.42	<1.42
Vinyl Chloride	5.2E+00	1.5E+04	5.2E+00	<0.57	<0.57	<0.58	<0.57	<0.58	<0.58	<0.58

Notes:

Yellow shaded concentrations exceed the minimum of the SFBRWQCB 2019 VI HHRL Commercial/Industrial Cancer and Non-Cancer ESL.

< = Not detected above laboratory reporting limit.

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Volatile organic compounds (VOCs) and Total Petroluem Hydrocarbons (TPH) analyzed by United States Protection Agency (USEPA) Method 8260C.

When the applicable state standard applies to mixed isomers and the laboratory reports individual isomers, the total standard is listed for each isomer.

µg/m³ = Micrograms per cubic meter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1). January 2019.

[2]DUP-01 duplicate sample of primary sample PSG-10A.

[3]DUP-02 duplicate sample of primary sample PSG-62A.

Table 12. Summary of Passive Soil Vapor Analytical Data. AB and I Redevelopment; Oakland, California.

Sample ID Start Date End Date	2019 VI HHRL Commerical Cancer ESL[1]	2019 VI HHRL Commerical Non-Cancer ESL[1]	2019 VI HHRL Commerical Minimum Value[1]	PSG-25C 5/20/2024 6/4/2024	PSG-25D 5/20/2024 6/4/2024	PSG-41A 5/20/2024 6/4/2024	PSG-41B 5/20/2024 6/4/2024	PSG-41C 5/20/2024 6/4/2024	PSG-41D 5/20/2024 6/4/2024
VOLATILE ORGANIC COMPOUNDS - EPA 8260C (µg/m³)									
1,1,1,2-Tetrachloroethane	5.5E+01	NS	5.5E+01	<1.15	<1.14	<1.13	<1.13	<1.13	<1.13
1,1,1-Trichloroethane	NS	1.5E+05	1.5E+05	<0.45	<0.45	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	2.6E+01	2.9E+01	2.6E+01	<1.42	<1.42	<1.4	<1.4	<1.4	<1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	NS	NS	NS	<0.53	<0.53	<0.52	<0.52	<0.52	<0.52
1,1-Dichloroethane	2.6E+02	NS	2.6E+02	<0.55	<0.55	<0.54	<0.54	<0.55	<0.55
1,1-Dichloroethene	NS	1.0E+04	1.0E+04	<1.42	<1.42	<1.4	**9.41**	**3.5**	**18.2**
1,2,3-Trichlorobenzene	NS	NS	NS	<1.2	<1.2	<1.19	<1.19	<1.19	<1.19
1,2,3-Trichloropropane	NS	4.4E+01	4.4E+01	<0.63	<0.63	<0.62	<0.62	<0.62	<0.62
1,2,4-Trichlorobenzene	NS	2.9E+02	2.9E+02	<1.2	<1.2	<1.19	<1.19	<1.19	<1.19
1,2,4-Trimethylbenzene	NS	NS	NS	**5.86**	<1.41	<1.39	<1.39	<1.4	<1.4
1,2-Dibromoethane (EDB)	6.8E-01	1.2E+02	6.8E-01	<0.6	<0.6	<0.59	<0.59	<0.59	<0.59
1,2-Dichlorobenzene	NS	2.9E+04	2.9E+04	<0.63	<0.63	<0.62	<0.62	<0.62	<0.62
1,2-Dichloroethane	1.6E+01	1.0E+03	1.6E+01	<0.84	<0.84	<0.83	<0.83	<0.83	<0.83
1,3,5-Trimethylbenzene	NS	NS	NS	**1.77**	<1.41	<1.39	<1.39	<1.4	<1.4
1,3-Dichlorobenzene	NS	NS	NS	<0.63	<0.63	<0.62	<0.62	<0.62	<0.62
1,4-Dichlorobenzene	3.7E+01	1.2E+05	3.7E+01	<0.63	<0.63	<0.62	<0.62	<0.62	<0.62
1,4-Dioxane	5.3E+01	4.4E+03	5.3E+01	<1.15	<1.14	<1.13	<1.13	<1.13	<1.13
2-Methylnaphthalene	NS	NS	NS	**2.17**	<1.54	<1.52	<1.52	<1.52	<1.53
Benzene	1.4E+01	4.4E+02	1.4E+01	**8.57**	**7.75**	**6.23**	**2.62**	**2.61**	**4.48**
Carbon Tetrachloride	6.8E+01	5.8E+03	6.8E+01	<1.09	<1.09	<1.08	<1.08	<1.08	<1.08
Chlorobenzene	NS	7.3E+03	7.3E+03	<0.55	<0.55	<0.54	<0.54	<0.55	<0.55
Chloroform	1.8E+01	1.4E+04	1.8E+01	<1.34	<1.34	<1.32	<1.32	<1.32	<1.33
cis-1,2-Dichloroethene	NS	1.2E+03	1.2E+03	<0.89	<0.88	<0.87	**25.2**	**16.5**	**32.1**
Ethylbenzene	1.6E+02	1.5E+05	1.6E+02	<1.38	<1.38	<1.36	<1.36	<1.36	<1.36
Isopropylbenzene	NS	NS	NS	<1.41	<1.41	<1.39	<1.39	<1.4	<1.4
Methylene Chloride	4.1E+02	5.8E+04	4.1E+02	<1.34	<1.34	<1.32	<1.32	<1.32	<1.33
Methyl-t-butyl ether	1.6E+03	4.4E+05	1.6E+03	<2.35	<2.35	<2.31	<2.31	<2.32	<2.32
Naphthalene	1.2E+01	4.4E+02	1.2E+01	**4.71**	<1.47	<1.45	<1.45	<1.45	<1.45
o-Xylene	NS	NS	NS	**2.9**	**2.37**	<1.32	<1.32	<1.32	<1.32
p & m-Xylene	NS	NS	NS	**6.06**	**3.35**	<1.32	<1.32	<1.32	<1.32
Tetrachloroethene	6.7E+01	5.8E+03	6.7E+01	**10.4**	**19.8**	<1.13	**18.3**	<1.13	**1.54**
Toluene	NS	4.4E+04	4.4E+04	**9.23**	**6.86**	<2.89	<2.89	<2.9	<2.9
TPH C10-C15	NS	3.7E+04	3.7E+04	<340	**1,060**	<335	<335	<336	<336
TPH C4-C9	NS	8.3E+04	8.3E+04	<398	**2,400**	<392	<392	<393	<393
trans-1,2-Dichloroethene	NS	1.2E+04	1.2E+04	<1.07	<1.07	<1.05	**5.74**	**3.19**	**7.02**
Trichloroethene	1.0E+02	2.9E+02	1.0E+02	<1.42	**2.47**	<1.4	**1,370**	**677**	**5,280**
Vinyl Chloride	5.2E+00	1.5E+04	5.2E+00	<0.58	<0.58	<0.57	<0.57	<0.57	<<0.57

Notes:

Yellow shaded concentrations exceed the minimum of the SFBRWQCB 2019 VI HHRL Commercial/Industrial Cancer and Non-Cancer ESL.

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Bold = Detected concentration.

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HHRL = Human Health Risk Level.

NS = No standard established.

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

VI = Vapor Intrustion.

Volatile organic compounds (VOCs) and Total Petroluem Hydrocarbons (TPH) analyzed by United States Protection Agency (USEPA) Method 8260C.

When the applicable state standard applies to mixed isomers and the laboratory reports individual isomers, the total standard is listed for each isomer.

µg/m³ = Micrograms per cubic meter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1). January 2019.

[2]DUP-01 duplicate sample of primary sample PSG-10A.

[3]DUP-02 duplicate sample of primary sample PSG-62A.

Table 12. Summary of Passive Soil Vapor Analytical Data. AB and I Redevelopment; Oakland, California.

Sample ID Start Date End Date	2019 VI HHRL Commerical Cancer ESL[1]	2019 VI HHRL Commerical Non-Cancer ESL[1]	2019 VI HHRL Commerical Minimum Value[1]	PSG-62A 5/20/2024 6/4/2024	DUP-02[3] 5/20/2024 6/4/2024	PSG-62B 5/20/2024 6/4/2024	PSG-62C 5/20/2024 6/4/2024	PSG-62D 5/20/2024 6/4/2024	Trip-1 5/20/2024 6/4/2024
VOLATILE ORGANIC COMPOUNDS - EPA 8260C (µg/m³)									
1,1,1,2-Tetrachloroethane	5.5E+01	NS	5.5E+01	<1.15	<1.15	<1.15	<1.15	<1.15	<1.13
1,1,1-Trichloroethane	NS	1.5E+05	1.5E+05	<0.45	<0.45	<0.45	<0.45	<0.45	<0.44
1,1,2-Trichloroethane	2.6E+01	2.9E+01	2.6E+01	<1.43	<1.43	<1.43	<1.43	<1.43	<1.4
1,1,2-Trichlorotrifluoroethane (Fr.113)	NS	NS	NS	<0.53	<0.53	<0.53	<0.53	<0.53	<0.52
1,1-Dichloroethane	2.6E+02	NS	2.6E+02	<0.56	<0.56	<0.56	<0.56	<0.56	<0.54
1,1-Dichloroethene	NS	1.0E+04	1.0E+04	<1.43	<1.43	**3.16**	<1.43	**16.9**	<1.4
1,2,3-Trichlorobenzene	NS	NS	NS	<1.21	<1.21	<1.21	<1.21	<1.21	<1.19
1,2,3-Trichloropropane	NS	4.4E+01	4.4E+01	<0.63	<0.63	<0.63	<0.63	<0.63	<0.62
1,2,4-Trichlorobenzene	NS	2.9E+02	2.9E+02	<1.21	<1.21	<1.21	<1.21	<1.21	<1.19
1,2,4-Trimethylbenzene	NS	NS	NS	**9.5**	**8.21**	<1.42	<1.42	<1.42	<1.39
1,2-Dibromoethane (EDB)	6.8E-01	1.2E+02	6.8E-01	<0.6	<0.6	<0.61	<0.61	<0.61	<0.59
1,2-Dichlorobenzene	NS	2.9E+04	2.9E+04	**3.93**	**3.34**	<0.63	<0.63	<0.63	<0.62
1,2-Dichloroethane	1.6E+01	1.0E+03	1.6E+01	<0.84	<0.84	<0.84	<0.84	<0.84	<0.83
1,3,5-Trimethylbenzene	NS	NS	NS	**5.25**	**4.2**	<1.42	<1.42	<1.42	<1.39
1,3-Dichlorobenzene	NS	NS	NS	<0.63	<0.63	<0.63	<0.63	<0.63	<0.62
1,4-Dichlorobenzene	3.7E+01	1.2E+05	3.7E+01	**1.79**	**1.64**	<0.63	<0.63	<0.63	<0.62
1,4-Dioxane	5.3E+01	4.4E+03	5.3E+01	<1.15	<1.15	**1.56**	**1.46**	<1.15	<1.13
2-Methylnaphthalene	NS	NS	NS	**832**	**964**	**7.4**	**2.52**	<1.55	<1.52
Benzene	1.4E+01	4.4E+02	1.4E+01	**18.4 J**	**5.29 J**	**2.87**	**4.69**	**8.47**	<2.18
Carbon Tetrachloride	6.8E+01	5.8E+03	6.8E+01	<1.1	<1.1	<1.1	<1.1	<1.1	<1.08
Chlorobenzene	NS	7.3E+03	7.3E+03	<0.56	<0.56	<0.56	<0.56	<0.56	<0.54
Chloroform	1.8E+01	1.4E+04	1.8E+01	<1.35	<1.35	<1.35	<1.35	<1.35	<1.32
cis-1,2-Dichloroethene	NS	1.2E+03	1.2E+03	**1.6**	<0.89	**26.6**	**1.97**	**46.6**	<0.87
Ethylbenzene	1.6E+02	1.5E+05	1.6E+02	**1.98**	<1.39	<1.39	<1.39	<1.39	<1.36
Isopropylbenzene	NS	NS	NS	<1.42	<1.42	<1.42	<1.42	<1.42	<1.39
Methylene Chloride	4.1E+02	5.8E+04	4.1E+02	<1.35	<1.35	<1.35	<1.35	<1.35	<1.32
Methyl-t-butyl ether	1.6E+03	4.4E+05	1.6E+03	<2.36	<2.36	<2.36	<2.36	<2.36	<2.31
Naphthalene	1.2E+01	4.4E+02	1.2E+01	**1,050**	**1,210**	**16.5**	**7.13**	<1.48	<1.45
o-Xylene	NS	NS	NS	**4.18 J**	**1.57 J**	<1.34	<1.34	<1.34	<1.32
p & m-Xylene	NS	NS	NS	**5.12 J**	**2.23 J**	**2.27**	<1.34	<1.34	<1.32
Tetrachloroethene	6.7E+01	5.8E+03	6.7E+01	**54.6 J**	**21.8 J**	**3.71**	**2.8**	**301**	<1.13
Toluene	NS	4.4E+04	4.4E+04	**16.8 J**	**4.56 J**	<2.95	**3.94**	**5.7**	<2.89
TPH C10-C15	NS	3.7E+04	3.7E+04	**1,610**	**1,660**	<342	<342	<342	<335
TPH C4-C9	NS	8.3E+04	8.3E+04	**763**	<400	**678**	<400	<400	<392
trans-1,2-Dichloroethene	NS	1.2E+04	1.2E+04	<1.07	<1.07	**17.9**	<1.07	**12.6**	<1.05
Trichloroethene	1.0E+02	2.9E+02	1.0E+02	**92.1 J**	**53.9 J**	**344**	**149**	**6,440**	<1.4
Vinyl Chloride	5.2E+00	1.5E+04	5.2E+00	<0.58	<0.58	<0.58	<0.58	<0.58	<0.57

Notes:

Yellow shaded concentrations exceed the minimum of the SFBRWQCB 2019 VI HHRL Commercial/Industrial Cancer and Non-Cancer ESL.

< = Not detected above laboratory reporting limit.

Bold = Detected concentration.

ESL = Environmental Screening Level.

HHRL = Human Health Risk Level.

NS = No standard established.

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board.

VI = Vapor Intrustion.

Volatile organic compounds (VOCs) and Total Petroluem Hydrocarbons (TPH) analyzed by United States Protection Agency (USEPA) Method 8260C.

When the applicable state standard applies to mixed isomers and the laboratory reports individual isomers, the total standard is listed for each isomer.

µg/m³ = Micrograms per cubic meter.

J = The identification of the analyte is acceptable; the report value is an estimate.

[1]San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1). January 2019.

[2]DUP-01 duplicate sample of primary sample PSG-10A.

[3]DUP-02 duplicate sample of primary sample PSG-62A.

FIGURES

1. Site Location Map
2. Site Plan with Historical and Recent Sampling Locations
3. Geologic Map
4. Groundwater Elevation Contours – Third Quarter 2024
5. Soil and Grab Groundwater Sampling Locations – 2024 Data Gap Investigation
6. Active Soil Vapor Probe and Passive Soil Vapor Step Out Sampling Locations – 2024 Data Gap Investigation
7. Total Metal Exceedances in Soil – 2024 Data Gap Investigation
8. VOC, SVOC, and TPH Exceedances in Soil – 2024 Data Gap Investigation
9. PCB Exceedances in Soil – 2024 Data Gap Investigation
10. Total and Dissolved Metal Exceedances in Grab Groundwater – 2024 Data Gap Investigation
11. VOC and TPH Exceedances in Grab Groundwater – 2024 Data Gap Investigation
12. VOC and TPH Exceedances in Active and Passive Soil Vapor – 2024 Data Gap Investigation

13a. Heat Map of PCE in Passive Soil Vapor – 2024 Data Gap Investigation

13b. Isocontours of PCE in Active Soil Vapor – 2024 Data Gap Investigation

14a. Heat Map of TCE in Passive Soil Vapor - 2024 Data Gap Investigation

14b. Isocontours of TCE in Active Soil Vapor – 2024 Data Gap Investigation

15a. Heat Map of Benzene in Passive Soil Vapor – 2024 Data Gap Investigation

15b. Isocontours of Benzene in Active Soil Vapor – 2024 Data Gap Investigation

16. Isocontour Map of Vinyl Chloride in Active Soil Vapor – 2024 Data Gap Investigation
17. Isocontour Map of TPH-g in Active Soil Vapor – 2024 Data Gap Investigation





QUADRANGLE LOCATIONS

SOURCE:
USGS; Oakland East, CA (2021)
and San Leandro, CA (2021)
7.5-Minute Topographic Quadrangles

N

0 2000'

Title:

SITE LOCATION MAP

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: H.R.	Date: 08JUL22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: H.R.	Project: 2968.0018L000	
File: 2968.0018LTEMP.01.CDR		

\2968L\0018L\TEMP\2968.0018LTEMP.01.CDR



LEGEND

- Approximate Site Boundary
- Cupola Area
- Identifiable Pit Location
- Former Buildings
- Bio Swale Soil Boring (Roux, 2024)
- CPT Location (Langan, 2024)
- CPT borings (Iwasa, 2022)
- Environmental Soil Boring Sample Location (Haley and Aldrich, 2022)
- Geotech Soil Boring (IWASA, 2022)
- Soil Boring (The Source Group, Inc. [SGI], 2008)
- 150' Grid Soil Boring (Roux, 2024)
- Utility Corridor Soil Boring (Roux, 2024)
- Existing Groundwater Monitoring Well (Roux, 2023)
- Decommissioned Groundwater Monitoring Well (BSK, 1993, 2006)
- Soil and Grab Groundwater Sampling Location (Roux, 2024)
- Passive Soil Vapor Step Out Sample Location (Roux, 2024)
- Active Soil Vapor Probe Location (Roux, 2024)
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Soil Gas Sampling Location (Roux, 2024)
- Historical Passive Soil Vapor Sample Locations (Roux, 2023)

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 1,1,1-TCA = 1,1,1-Trichloroethane.
4. Cone penetration test.
5. UST = Underground storage tank.

N

75 0 75'

Title:

SITE PLAN WITH HISTORICAL AND RECENT SAMPLING LOCATIONS

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 09/30/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F2(CP)	

FIGURE 2

\\SRVLTNFP1\LIMITED\CA GIS\1738 - PROJ\GIS\0030S000\F2\CLSITEPLAN_HISTORICAL_RECENT_SAMPLES.MXD

SCALE 1:50000

1 .5 0 1 2 3 4 5 MILE

1 .5 0 1 2 3 4 5 KILOMETER

0 1 2 3 4 5 6 7 8 9 10 11 THOUSAND FEET

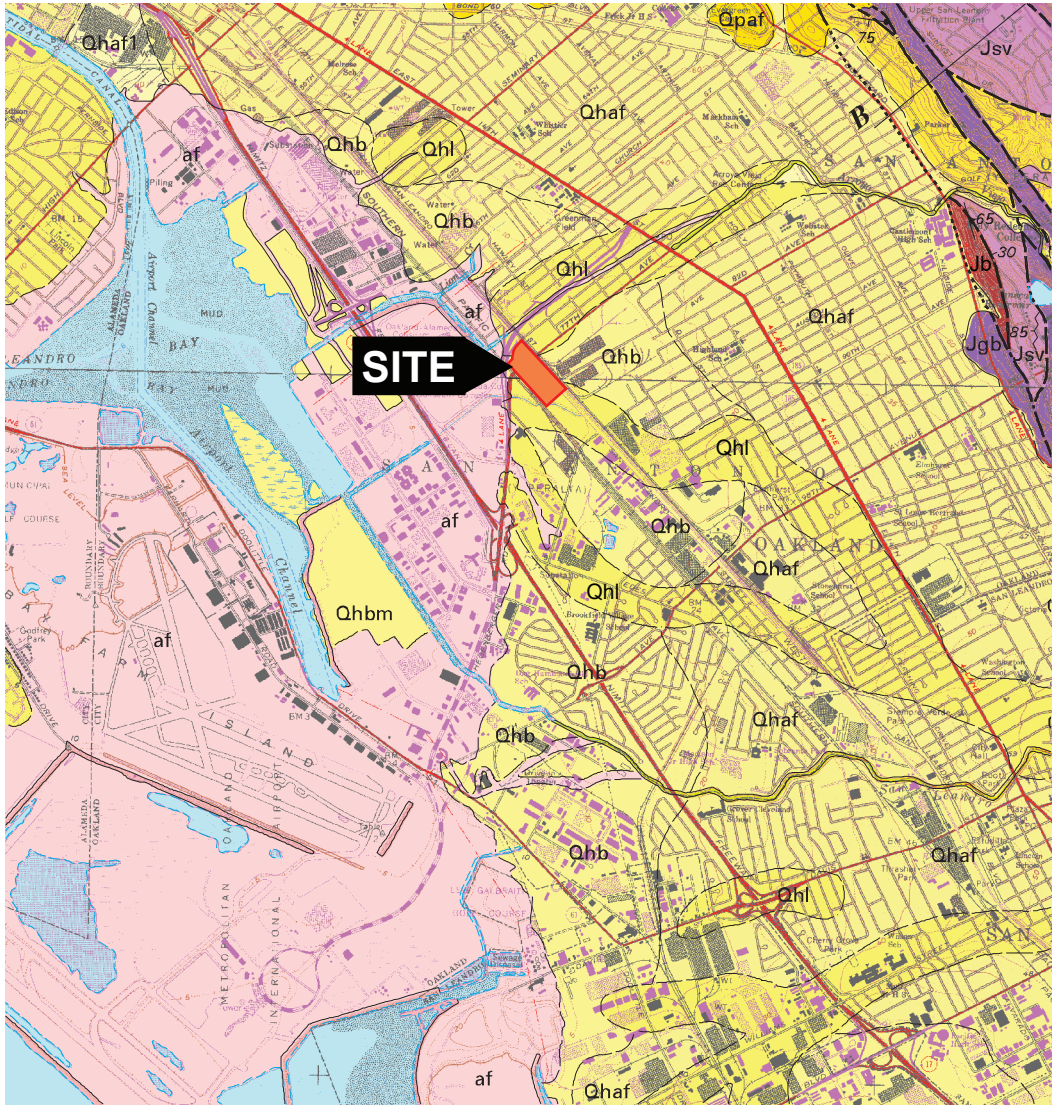
16.5°

TRUE NORTH

MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 1980

CONTOUR INTERVAL 50 METERS



LEGEND

af	Artificial fill (Historic)
Qhaf	Alluvial fan and fluvial deposits (Holocene)
Qhb	Basin deposits (Holocene)
Qhbm	Bay mud (Holocene)
Qhl	Natural levee deposits (Holocene)
Qpaf	Alluvial fan and fluvial deposits (Pleistocene)
Jb	Massive basalt and diabase
Jgb	Gabbro
Jsv	Keratophyre and quartz keratophyre (Late Jurassic)

Contact-- Depositional or intrusive contact, dashed where approximately located, dotted where concealed

35 — **Strike and dip of bedding**

Source: Graymer, R.W., 2000, Geologic Map and Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California. United States Geological Survey.

Title:

GEOLOGIC MAP

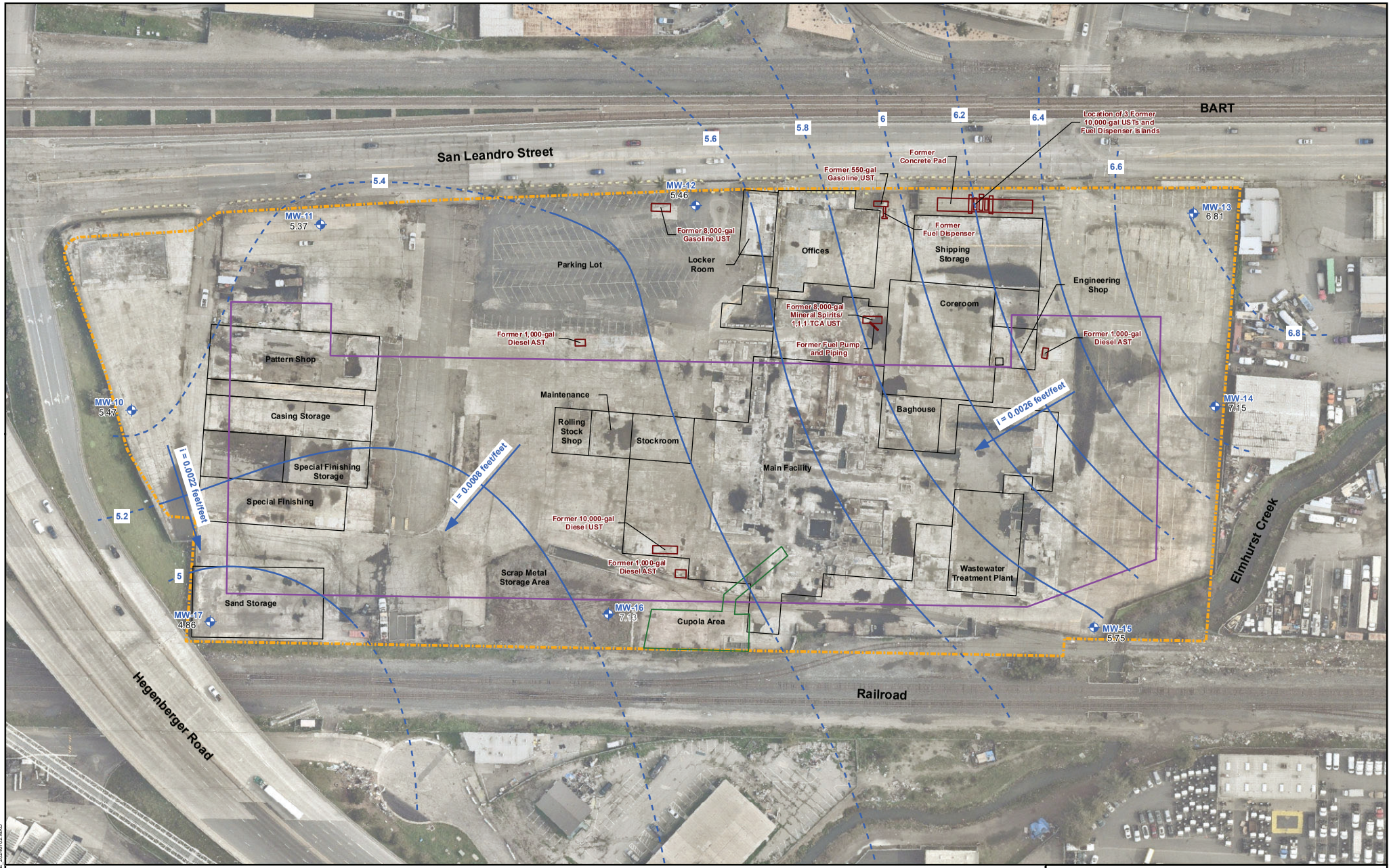
7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: J.O.	Date: 10JULY2024	FIGURE
Prepared by: J.O.	Scale: AS SHOWN	3
Project Mgr: J.O.	Project: 2968.0030S000	
File: Figure 3_Geologic Map.pdf		



LEGEND

- Groundwater Sample Location (ID, Elev.)
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Former Buildings
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Inferred Groundwater Flow Direction

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. Groundwater elevations referenced to North American Vertical Datum (NAVD88).
3. i = Approximate hydraulic gradient.
4. 1,1-TCA = 1,1-Trichloroethane
   ft = feet
   gal = gallon
   UST = underground storage tank
5. Groundwater elevation data from MW-16 is excluded from groundwater contouring due to an anomalous groundwater level measurement from this well.
6. Groundwater well gauging data was collected July 2, 2024.
7. All buildings have been demolished as of December 2023.

N

75 0 75'

Title:

GROUNDWATER ELEVATION CONTOURS – THIRD QUARTER 2024

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

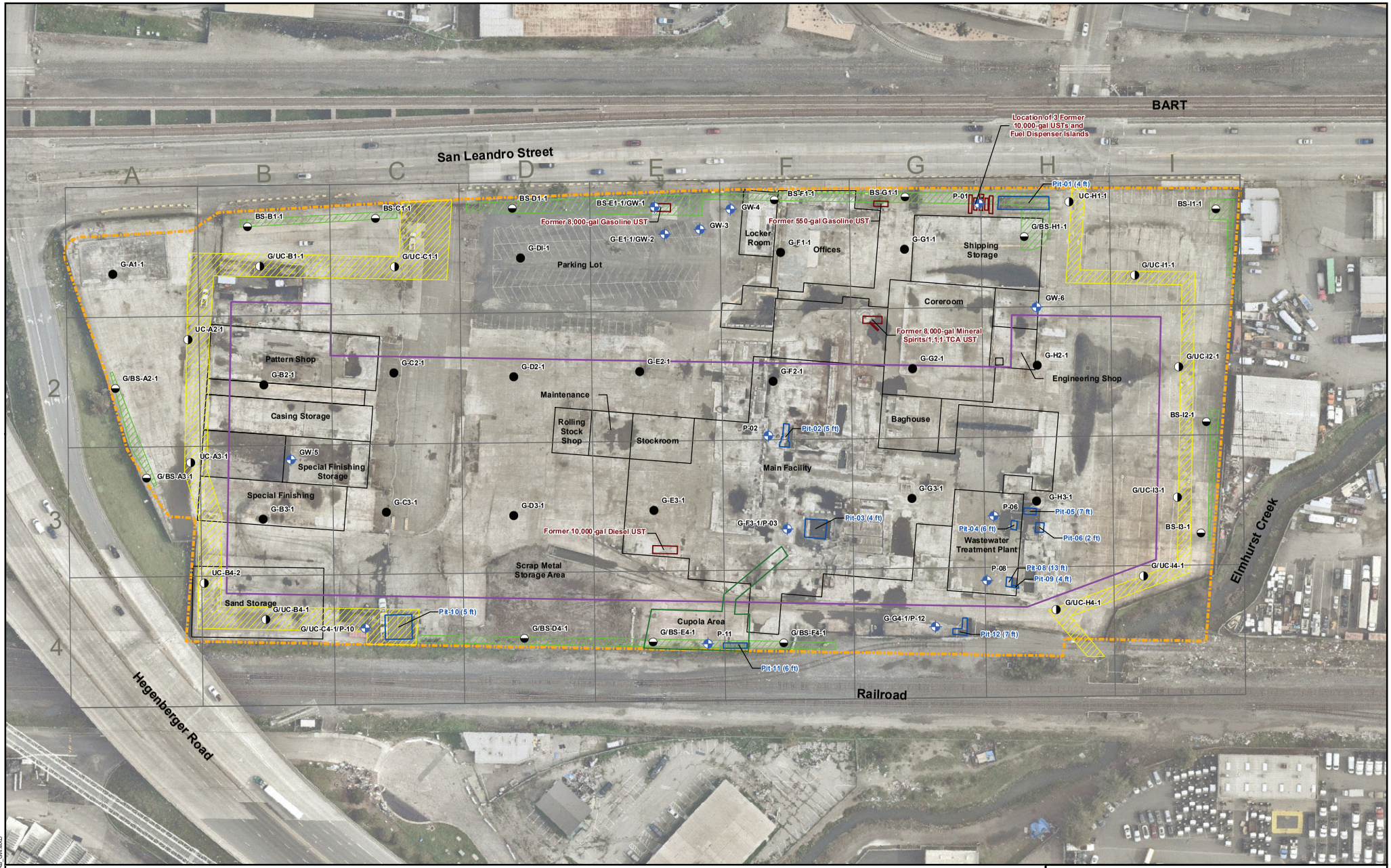
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: A.V.	Date: 09/06/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F3(CP)	

FIGURE 4

\\SRVLTNJFP1\LIMITED\CA GIS\1738 - PROLOGIS\0030\0000\F3\CLIQ3_GWE_20240702.MXD



LEGEND

- Approximate Site Boundary
- Proposed Building Footprint
- Identifiable Pit Location
- Proposed Bio Swale
- Proposed Utility Corridor
- Former Buildings
- Bio Swale Soil Boring
- 150' Grid Soil Boring
- Utility Corridor Soil Boring
- Soil and Grab Groundwater Sampling Location

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 150' X 150' grid established across the Site.
4. 1,1-TCA = 1,1-Trichloroethane.
   ft = feet.
   gal = gallon.
   UST = underground storage tank.

N

75 0 75'

Title:

SOIL AND GRAB GROUNDWATER SAMPLING LOCATIONS - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

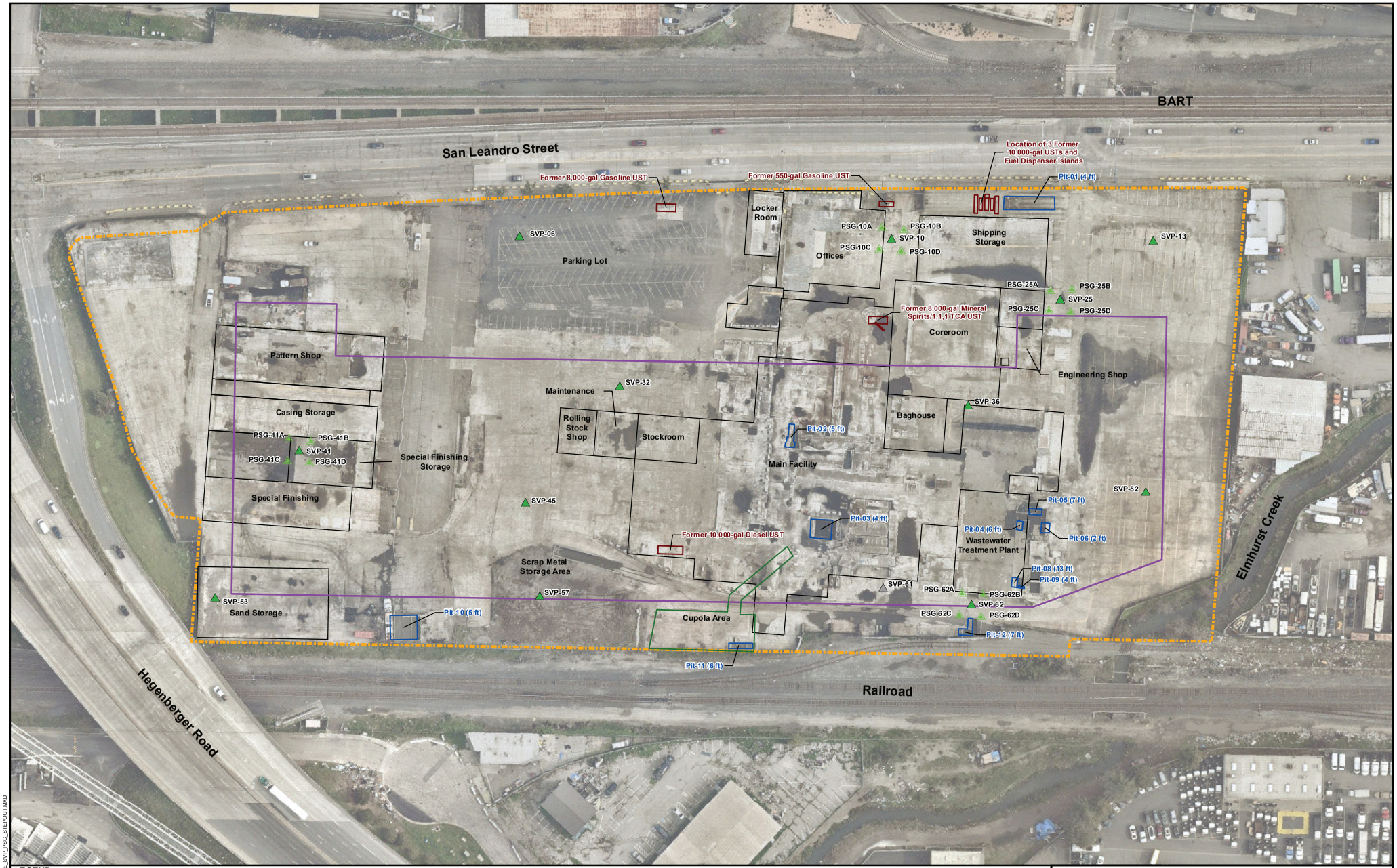
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 09/06/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F5(CL)	

FIGURE 5

\\SRVLTNJFP1\LIMITED\CA GIS\1738 - PROLOG\S0030\0000\F4\CLISO_GRAB_GW.MXD

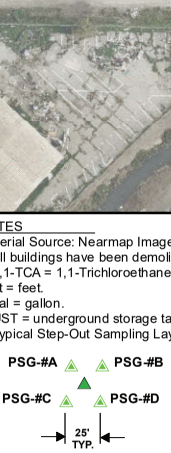


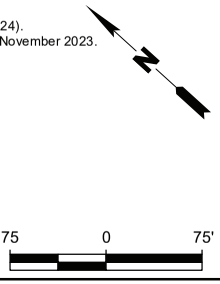
LEGEND

- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Former Buildings
- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed
- Passive Soil Vapor Step Out Sample Location

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 1,1-TCA = 1,1-Trichloroethane.
   ft = feet.
   gal = gallon.
   UST = underground storage tank.
4. Typical Step-Out Sampling Layout:





Title:

ACTIVE SOIL VAPOR PROBE AND PASSIVE SOIL VAPOR STEP OUT SAMPLING LOCATIONS - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

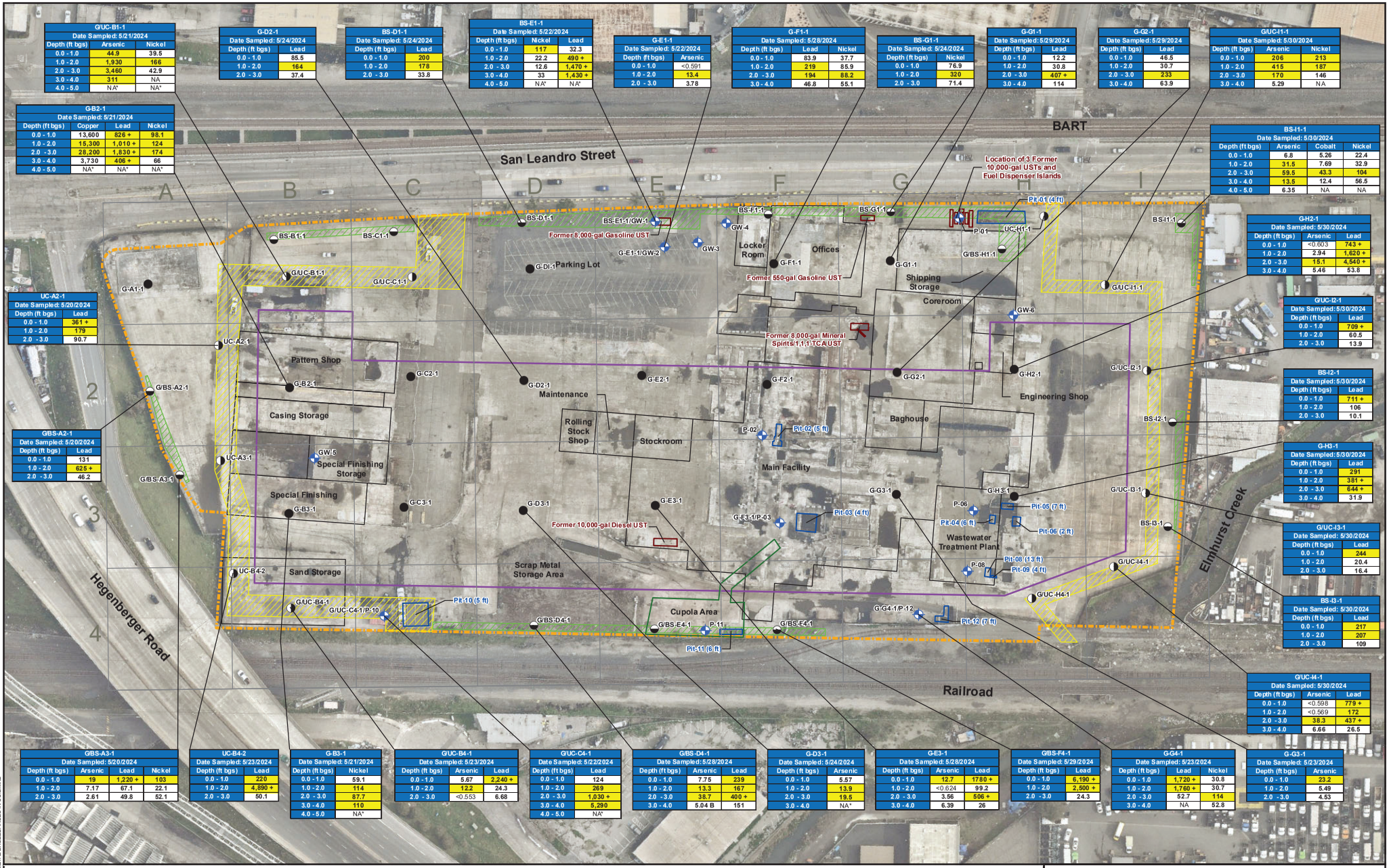
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 09/30/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F6(CL)	

FIGURE 6

\\SRVLTNJFP1\LIMITED\CA GIS\1738 - PROJ\GIS\0030S000\MXD\ACTIVE_SVP_PSG_STEPOUT.MXD



G/UC-B1-1		
Date Sampled: 5/21/2024		
Depth (ft bgs)	Arsenic	Nickel
0.0 - 1.0	44.9	39.5
1.0 - 2.0	1,930	166
2.0 - 3.0	3,460	42.9
3.0 - 4.0	311	NA
4.0 - 5.0	NA*	NA*

G-D2-1	
Date Sampled: 5/24/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	85.5
1.0 - 2.0	164
2.0 - 3.0	37.4

BS-D1-1	
Date Sampled: 5/24/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	200
1.0 - 2.0	178
2.0 - 3.0	33.8

BS-E1-1		
Date Sampled: 5/22/2024		
Depth (ft bgs)	Nickel	Lead
0.0 - 1.0	117	32.3
1.0 - 2.0	22.2	490 +
2.0 - 3.0	12.6	1,470 +
3.0 - 4.0	33	1,430 +
4.0 - 5.0	NA*	NA*

G-E1-1	
Date Sampled: 5/22/2024	
Depth (ft bgs)	Arsenic
0.0 - 1.0	<0.591
1.0 - 2.0	13.4
2.0 - 3.0	3.78

G-F1-1		
Date Sampled: 5/28/2024		
Depth (ft bgs)	Lead	Nickel
0.0 - 1.0	83.9	37.7
1.0 - 2.0	219	85.9
2.0 - 3.0	194	88.2
3.0 - 4.0	46.8	55.1

BS-G1-1	
Date Sampled: 5/24/2024	
Depth (ft bgs)	Nickel
0.0 - 1.0	76.9
1.0 - 2.0	320
2.0 - 3.0	71.4

G-G1-1	
Date Sampled: 5/29/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	12.2
1.0 - 2.0	30.8
2.0 - 3.0	407 +
3.0 - 4.0	114

G-G2-1	
Date Sampled: 5/29/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	46.5
1.0 - 2.0	30.7
2.0 - 3.0	233
3.0 - 4.0	63.9

G/UC-I1-1		
Date Sampled: 5/30/2024		
Depth (ft bgs)	Arsenic	Nickel
0.0 - 1.0	206	213
1.0 - 2.0	415	187
2.0 - 3.0	170	146
3.0 - 4.0	5.29	NA

G-B2-1			
Date Sampled: 5/21/2024			
Depth (ft bgs)	Copper	Lead	Nickel
0.0 - 1.0	13,600	826 +	98.1
1.0 - 2.0	15,300	1,010 +	124
2.0 - 3.0	28,200	1,830 +	174
3.0 - 4.0	3,730	406 +	66
4.0 - 5.0	NA*	NA*	NA*

BS-I1-1			
Date Sampled: 5/30/2024			
Depth (ft bgs)	Arsenic	Cobalt	Nickel
0.0 - 1.0	6.8	5.26	22.4
1.0 - 2.0	31.5	7.69	32.9
2.0 - 3.0	59.5	43.3	104
3.0 - 4.0	13.5	12.4	56.5
4.0 - 5.0	6.35	NA	NA

G-H2-1		
Date Sampled: 5/30/2024		
Depth (ft bgs)	Arsenic	Lead
0.0 - 1.0	<0.603	743 +
1.0 - 2.0	2.84	1,630 +
2.0 - 3.0	15.1	4,540 +
3.0 - 4.0	5.46	53.8

G/UC-I2-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	709 +
1.0 - 2.0	60.5
2.0 - 3.0	13.9

BS-I2-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	711 +
1.0 - 2.0	106
2.0 - 3.0	10.1

G-H3-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	291
1.0 - 2.0	361 +
2.0 - 3.0	644 +
3.0 - 4.0	31.9

G/UC-I3-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	244
1.0 - 2.0	20.4
2.0 - 3.0	16.4

BS-I3-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	217
1.0 - 2.0	207
2.0 - 3.0	109

G/UC-I4-1		
Date Sampled: 5/30/2024		
Depth (ft bgs)	Arsenic	Lead
0.0 - 1.0	<0.598	779 +
1.0 - 2.0	<0.569	172
2.0 - 3.0	38.3	437 +
3.0 - 4.0	6.66	26.5

UC-A2-1	
Date Sampled: 5/20/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	361 +
1.0 - 2.0	179
2.0 - 3.0	90.7

G/BS-A2-1	
Date Sampled: 5/20/2024	
Depth (ft bgs)	Lead
0.0 - 1.0	131
1.0 - 2.0	625 +
2.0 - 3.0	46.2

G/BS-A3-1			
Date Sampled: 5/20/2024			
Depth (ft bgs)	Arsenic	Lead	Nickel
0.0 - 1.0	19	1,220 +	103
1.0 - 2.0	7.17	67.1	22.1
2.0 - 3.0	2.61	49.8	52.1

UC-B4-2		
Date Sampled: 5/23/2024		
Depth (ft bgs)	Lead	
0.0 - 1.0	220	
1.0 - 2.0	4,890 +	
2.0 - 3.0	50.1	

G-B3-1		
Date Sampled: 5/21/2024		
Depth (ft bgs)	Nickel	
0.0 - 1.0	59.1	
1.0 - 2.0	114	
2.0 - 3.0	87.7	
3.0 - 4.0	110	
4.0 - 5.0	NA*	

G/UC-B4-1		
Date Sampled: 5/23/2024		
Depth (ft bgs)	Arsenic	Lead
0.0 - 1.0	5.67	2,240 +
1.0 - 2.0	12.2	24.3
2.0 - 3.0	<0.553	6.68

G/UC-C4-1		
Date Sampled: 5/22/2024		
Depth (ft bgs)	Lead	
0.0 - 1.0	124	
1.0 - 2.0	269	
2.0 - 3.0	1,030 +	
3.0 - 4.0	5,290	
4.0 - 5.0	NA*	

G/BS-D4-1		
Date Sampled: 5/28/2024		
Depth (ft bgs)	Arsenic	Lead
0.0 - 1.0	7.75	239
1.0 - 2.0	13.3	167
2.0 - 3.0	38.7	400 +
3.0 - 4.0	5.04 B	151

G-D3-1		
Date Sampled: 5/24/2024		
Depth (ft bgs)	Arsenic	
0.0 - 1.0	5.57	
1.0 - 2.0	13.9	
2.0 - 3.0	19.5	
3.0 - 4.0	NA*	

G-E3-1		
Date Sampled: 5/28/2024		
Depth (ft bgs)	Arsenic	Lead
0.0 - 1.0	12.7	1780 +
1.0 - 2.0	<0.624	99.2
2.0 - 3.0	3.56	506 +
3.0 - 4.0	6.39	26

G/BS-F4-1		
Date Sampled: 5/29/2024		
Depth (ft bgs)	Lead	
0.0 - 1.0	6,190 +	
1.0 - 2.0	2,500 +	
2.0 - 3.0	24.3	

G-G4-1		
Date Sampled: 5/23/2024		
Depth (ft bgs)	Lead	Nickel
0.0 - 1.0	1,720 +	30.8
1.0 - 2.0	1,760 +	30.7
2.0 - 3.0	52.7	114
3.0 - 4.0	NA	52.8

G-G3-1		
Date Sampled: 5/23/2024		
Depth (ft bgs)	Arsenic	
0.0 - 1.0	23.2	
1.0 - 2.0	5.49	
2.0 - 3.0	4.53	

LEGEND

- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Proposed Bio Swale
- Proposed Utility Corridor
- Former Buildings
- Bio Swale Soil Boring
- 150' Grid Soil Boring
- Utility Corridor Soil Boring
- Soil and Grab Groundwater Sampling Location

Screening Level	Accepted Background Concentrations	Construction Worker ESLs	Commercial/Industrial ESLs
Total Metals	mg/kg		
Arsenic	1.1E+01	9.8E-01	3.1E-01
Cobalt	Not applicable	2.8E+01	3.5E+02
Copper	Not applicable	1.4E+04	4.7E+04
Lead	Not applicable	1.6E+02	3.2E+02
Nickel	Not applicable	8.6E+01	1.1E+04

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 150' X 150' grid established across the Site.
4. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.
5. Arsenic concentrations are compared to the accepted background concentration for the San Francisco Bay Region as presented in "Establishing Background Arsenic in Soil of The Urbanized San Francisco Bay Region" by Dylan Jacques Duverge, December 2011.
6. All concentrations are in milligrams per kilogram (mg/kg)
7. **Bold** = Detected Concentration.
8. Yellow shaded concentrations exceed the Construction Worker ESLs or accepted background concentrations.
9. + = concentration exceeds the Commercial/Industrial ESLs.
10. <X = Not detected at or above the method detection limit.
11. ft bgs = Feet below ground surface.
12. gal = gallon.
13. NA = Not analyzed.
14. NA* = Not analyzed due to lab disposing of sample without notice.
15. 1,1-TCA = 1,1-Trichloroethane
16. UST = Underground storage tank.

N

80 0 80'

Title:

TOTAL METAL EXCEEDANCES IN SOIL - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

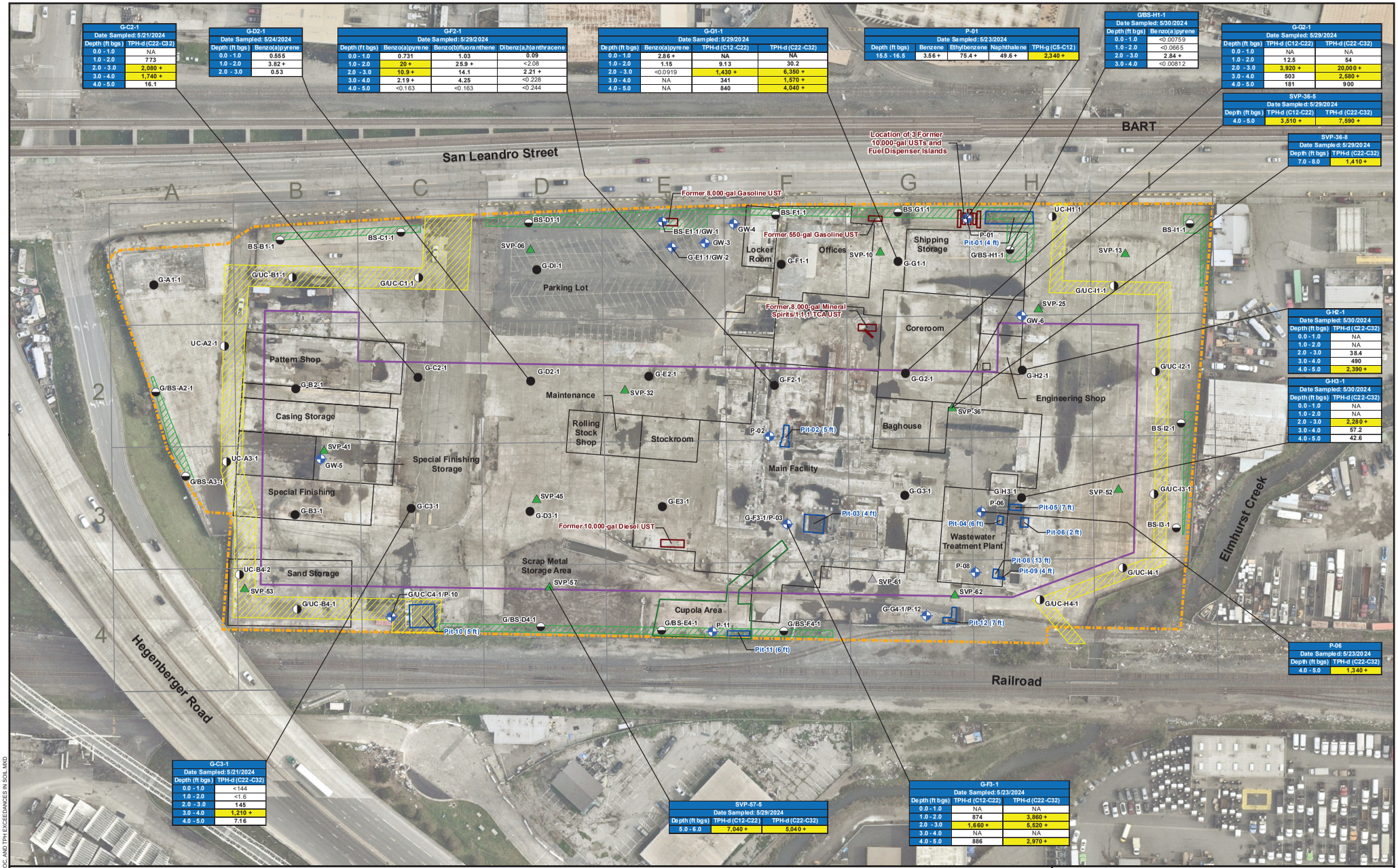
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.S.G.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F7(CL)	

FIGURE 7

\\SRVLTNJFP1\LMITEDCA GIS\1793 - PROLOGIS\0030S000\F7\CL\TOTAL METAL EXCEEDANCES IN SOIL.MXD



G-C2-1	
Date Sampled: 5/21/2024	
Depth (ft bgs)	TPH-d (C22-C32)
0.0 - 1.0	NA
1.0 - 2.0	773
2.0 - 3.0	2,080 +
3.0 - 4.0	1,740 +
4.0 - 5.0	16.1

G-D2-1	
Date Sampled: 5/24/2024	
Depth (ft bgs)	Benzo(a)pyrene
0.0 - 1.0	0.555
1.0 - 2.0	3.82 +
2.0 - 3.0	0.53

G-F2-1			
Date Sampled: 5/29/2024			
Depth (ft bgs)	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene
0.0 - 1.0	0.731	1.03	0.09
1.0 - 2.0	20 +	25.9 +	<2.08
2.0 - 3.0	10.9 +	14.1	2.21 +
3.0 - 4.0	2.19 +	4.25	<0.228
4.0 - 5.0	<0.163	<0.163	<0.244

G-G1-1			
Date Sampled: 5/29/2024			
Depth (ft bgs)	Benzo(a)pyrene	TPH-d (C12-C22)	TPH-d (C22-C32)
0.0 - 1.0	2.86 +	NA	NA
1.0 - 2.0	1.16	9.13	30.2
2.0 - 3.0	<0.0919	1,430 +	6,350 +
3.0 - 4.0	NA	341	1,570 +
4.0 - 5.0	NA	840	4,040 +

P-01				
Date Sampled: 5/23/2024				
Depth (ft bgs)	Benzene	Ethylbenzene	Naphthalene	TPH-g (C5-C12)
15.5 - 16.5	3.56 +	75.4 +	49.6 +	2,340 +

G/BS-H1-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	Benzo(a)pyrene
0.0 - 1.0	<0.00759
1.0 - 2.0	<0.0665
2.0 - 3.0	2.84 +
3.0 - 4.0	<0.00812

G-G2-1		
Date Sampled: 5/29/2024		
Depth (ft bgs)	TPH-d (C12-C22)	TPH-d (C22-C32)
0.0 - 1.0	NA	NA
1.0 - 2.0	12.5	54
2.0 - 3.0	3,920 +	20,000 +
3.0 - 4.0	503	2,580 +
4.0 - 5.0	181	900

SVP-36-5		
Date Sampled: 5/29/2024		
Depth (ft bgs)	TPH-d (C12-C22)	TPH-d (C22-C32)
4.0 - 5.0	3,510 +	7,590 +

SVP-36-8	
Date Sampled: 5/29/2024	
Depth (ft bgs)	TPH-d (C22-C32)
7.0 - 8.0	1,410 +

G-H2-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	TPH-d (C22-C32)
0.0 - 1.0	NA
1.0 - 2.0	NA
2.0 - 3.0	38.4
3.0 - 4.0	490
4.0 - 5.0	2,390 +

G-H3-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	TPH-d (C22-C32)
0.0 - 1.0	NA
1.0 - 2.0	NA
2.0 - 3.0	2,280 +
3.0 - 4.0	57.2
4.0 - 5.0	42.6

P-06	
Date Sampled: 5/23/2024	
Depth (ft bgs)	TPH-d (C22-C32)
4.0 - 5.0	1,340 +

G-C3-1	
Date Sampled: 5/21/2024	
Depth (ft bgs)	TPH-d (C22-C32)
0.0 - 1.0	<144
1.0 - 2.0	<1.6
2.0 - 3.0	145
3.0 - 4.0	1,210 +
4.0 - 5.0	7.16

SVP-57-5		
Date Sampled: 5/29/2024		
Depth (ft bgs)	TPH-d (C12-C22)	TPH-d (C22-C32)
5.0 - 6.0	7,040 +	5,040 +

G-F3-1		
Date Sampled: 5/23/2024		
Depth (ft bgs)	TPH-d (C12-C22)	TPH-d (C22-C32)
0.0 - 1.0	NA	NA
1.0 - 2.0	874	3,860 +
2.0 - 3.0	1,660 +	5,520 +
3.0 - 4.0	NA	NA
4.0 - 5.0	886	2,970 +

LEGEND

- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Proposed Bio Swale
- Proposed Utility Corridor
- Former Buildings
- Bio Swale Soil Boring
- 150' Grid Soil Boring
- Utility Corridor Soil Boring
- Soil and Grab Groundwater Sampling Location
- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed

Screening Level	Construction Worker ESLs	Commercial/Industrial ESLs
VOCs, SVOCs, & TPH	mg/kg	
Benzene	3.3E+01	1.4E+00
Benzo(a)pyrene	1.0E+01	2.1E+00
Benzo(b)fluoranthene	1.1E+02	2.1E+01
Dibenz(a,h)anthracene	1.1E+01	2.1E+00
Ethylbenzene	5.4E+02	2.6E+01
Naphthalene	4.0E+02	1.7E+01
TPH-g (C5-C12)	1.8E+03	2.0E+03
TPH-d (C12-C22)	1.1E+03	1.2E+03
TPH-d (C22-C32)	1.1E+03	1.2E+03

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 150' X 150' grid established across the Site.
4. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil.
5. All concentrations are in milligrams per kilogram (mg/kg).
6. **Bold** = Detected concentration.
7. Yellow shaded concentrations exceed the Construction Worker ESLs.
8. + = Concentration exceeds the Commercial ESLs.
9. <X = Not detected at or above the method detection limit.
10. Ft bgs = Feet below ground surface.
11. gal = gallon.
12. NA = Not analyzed.
13. SVOC = semi volatile organic compound.
14. 1,1-TCA = 1,1-Trichloroethane.
15. TPH = total petroleum hydrocarbon.
16. TPH-g = total petroleum hydrocarbon as gasoline
17. TPH-d = total petroleum hydrocarbon as diesel
18. USEPA = United States Environmental Protection Agency.
19. UST = Underground storage tank.
20. VOC = volatile organic compound.

80 0 80'

Title:

VOC, SVOC, AND TPH EXCEEDANCES IN SOIL - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

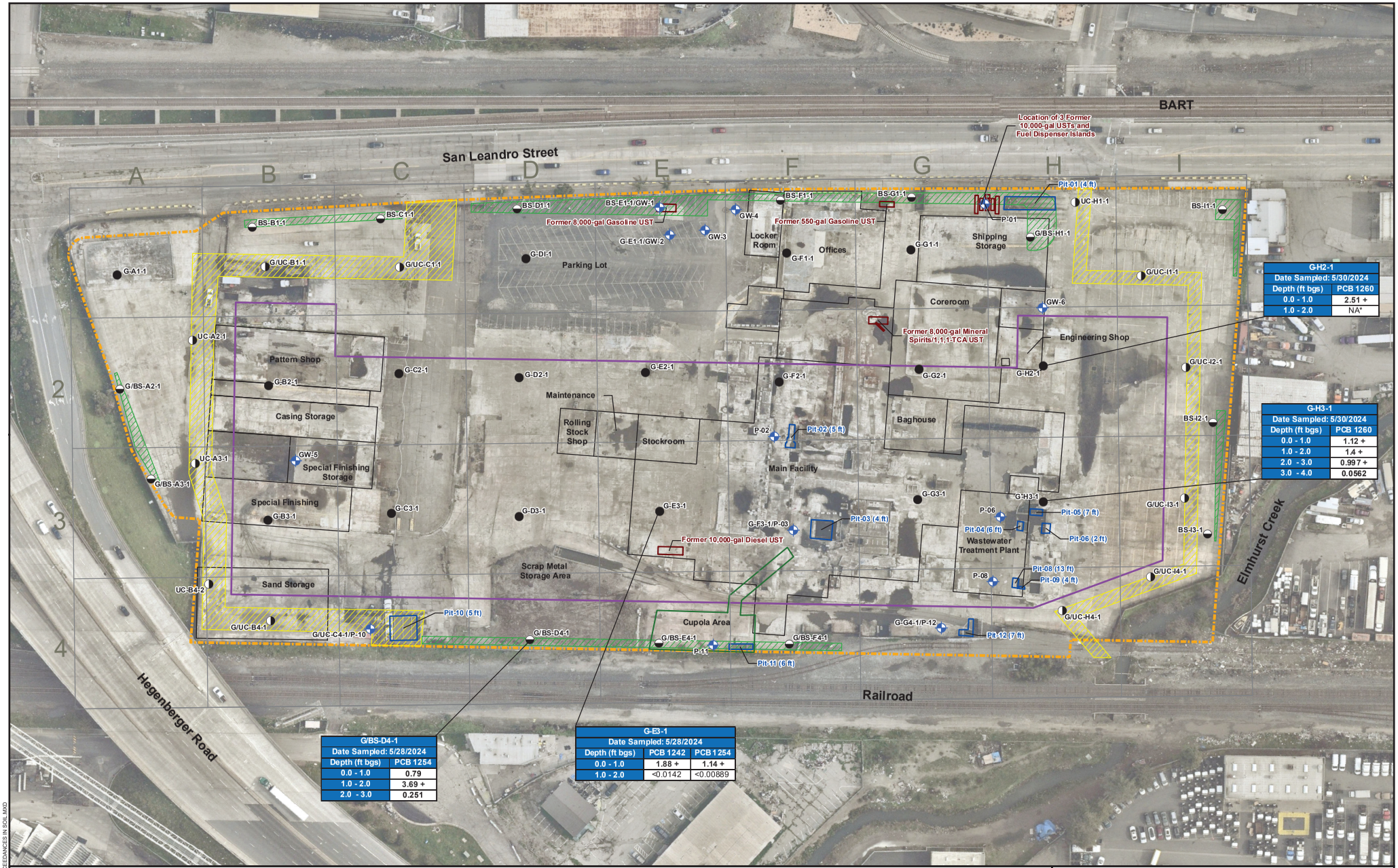
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.S.G.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F8(CL)	

FIGURE 8

I:\SRVLTN\PP1\LIMITED\CA GIS\1738 - PROLOGIS\00030000\F8\CL\VOC, SVOC, AND TPH EXCEEDANCES IN SOIL.MXD



G-H2-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	PCB 1260
0.0 - 1.0	2.51 +
1.0 - 2.0	NA*

G-H3-1	
Date Sampled: 5/30/2024	
Depth (ft bgs)	PCB 1260
0.0 - 1.0	1.12 +
1.0 - 2.0	1.4 +
2.0 - 3.0	0.997 +
3.0 - 4.0	0.0562

G/BS-D4-1	
Date Sampled: 5/28/2024	
Depth (ft bgs)	PCB 1254
0.0 - 1.0	0.79
1.0 - 2.0	3.69 +
2.0 - 3.0	0.251

G-E3-1		
Date Sampled: 5/28/2024		
Depth (ft bgs)	PCB 1242	PCB 1254
0.0 - 1.0	1.88 +	1.14 +
1.0 - 2.0	<0.0142	<0.00889

LEGEND

- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Proposed Bio Swale
- Proposed Utility Corridor
- Former Buildings
- Bio Swale Soil Boring
- 150' Grid Soil Boring
- Utility Corridor Soil Boring
- Soil and Grab Groundwater Sampling Location

Screening Level	Construction Worker ESLs	Commercial/Industrial ESLs
PCBs	mg/kg	
PCB 1242	5.5E+00	9.4E-01
PCB 1254	5.5E+00	9.4E-01
PCB 1260	5.5E+00	9.4E-01

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 150' X 150' grid established across the Site.
4. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Soil Direct Human Exposure (Table S-1): Shallow Soil Exposure. January 2019.
5. All concentrations are in milligrams per kilogram (mg/kg).
6. **Bold** = Detected concentration.
7. + = concentration exceeds the Commercial/Industrial ESLs.
8. <X = Not detected at or above the method detection limit.
9. Ft bgs = Feet below ground surface.
10. gal = gallon.
11. NA* = Not analyzed due to lab disposing of sample without notice.
12. PCB = polychlorinated biphenyl.
13. 1,1-TCA = 1,1-Trichloroethane.
14. UST = underground storage tank.

75 0 75'

Title:

PCB EXCEEDANCES IN SOIL - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

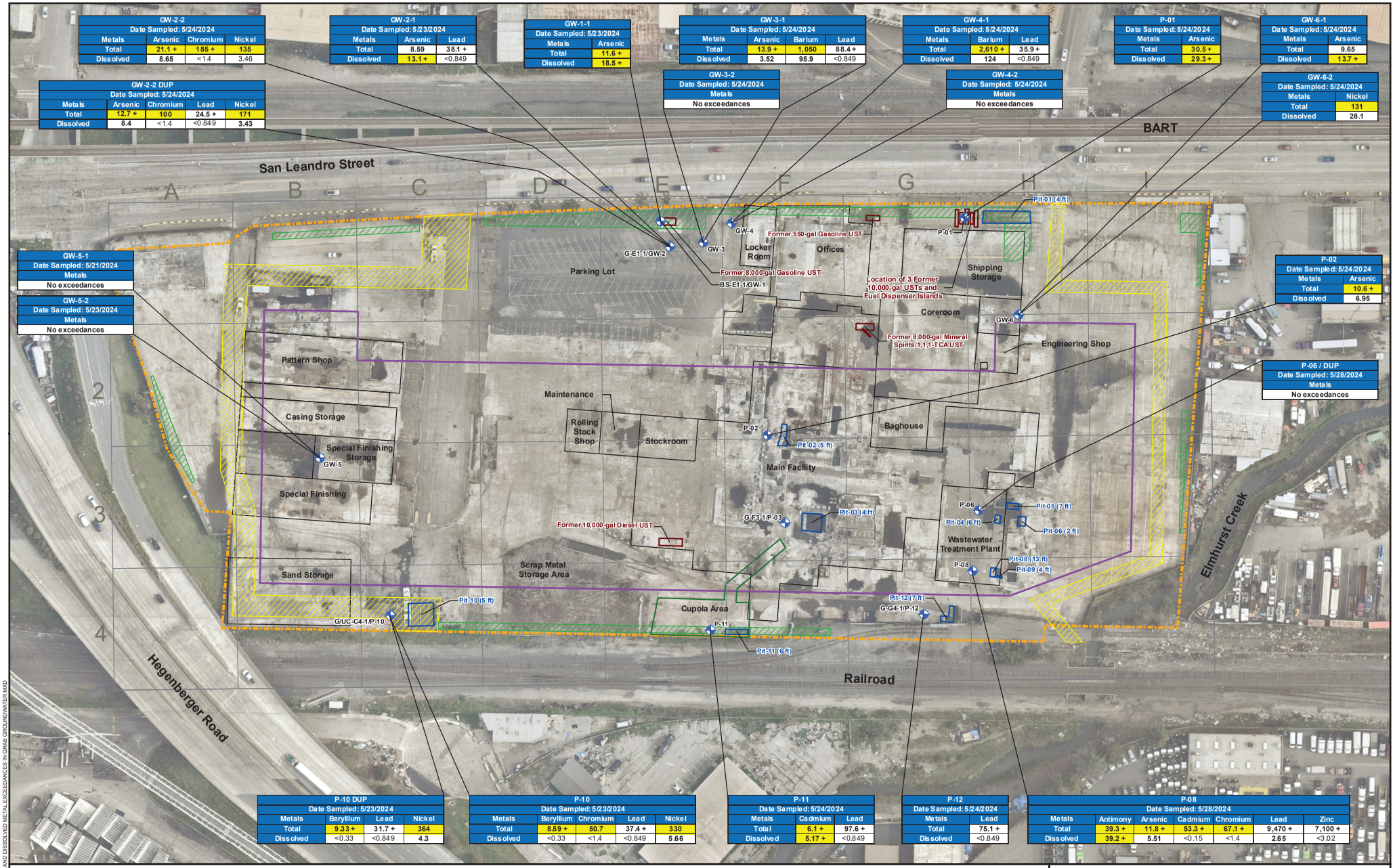
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.S.G.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F9(CL)	

FIGURE 9

I:\SRVLTN\PY\LIMITED\CA GIS\1738 - PROJ\GIS\0030S000\MXD\F9(CL)PCB EXCEEDANCES IN SOIL.MXD



LEGEND

- Approximate Site Boundary
- Soil and Grab Groundwater Sampling Location
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Proposed Bio Swale
- Proposed Utility Corridor
- Former Buildings

Screening Level	California MCL	EPA Federal MCL
Metals		
Antimony	6.0E+00	6.0E+00
Arsenic	1.0E+01	1.0E+01
Barium	1.0E+03	2.0E+03
Beryllium	4.0E+00	4.0E+00
Cadmium	5.0E+00	5.0E+00
Chromium	5.0E+01	1.0E+02
Lead	NS	1.5E+01
Nickel	1.0E+02	NS
Zinc	NS	5.0E+03

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 150' X 150' grid established across the Site.
4. Title 22 Chapter 12 California and Federal MCLs for Regulated Drinking Water Contaminants. October 2018.
5. All concentrations are in micrograms per liter (µg/l).
6. **Bold** = Detected concentration.
7. Yellow shaded concentrations exceed the California MCLs.
8. + concentrations exceed the Federal MCLs.
9. <X = Not detected at or above the method detection limit.
10. 1,1-TCA = 1,1-Trichloroethane.
11. Ft bgs = Feet below ground surface.
12. gal = gallon.
13. MCL = Maximum Contaminant Level.
14. NS = No standard currently established.
15. USEPA = United States Environmental Protection Agency.
16. UST = Underground storage tank.

80 0 80'

Title:

TOTAL AND DISSOLVED METAL EXCEEDANCES IN GRAB GROUNDWATER - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

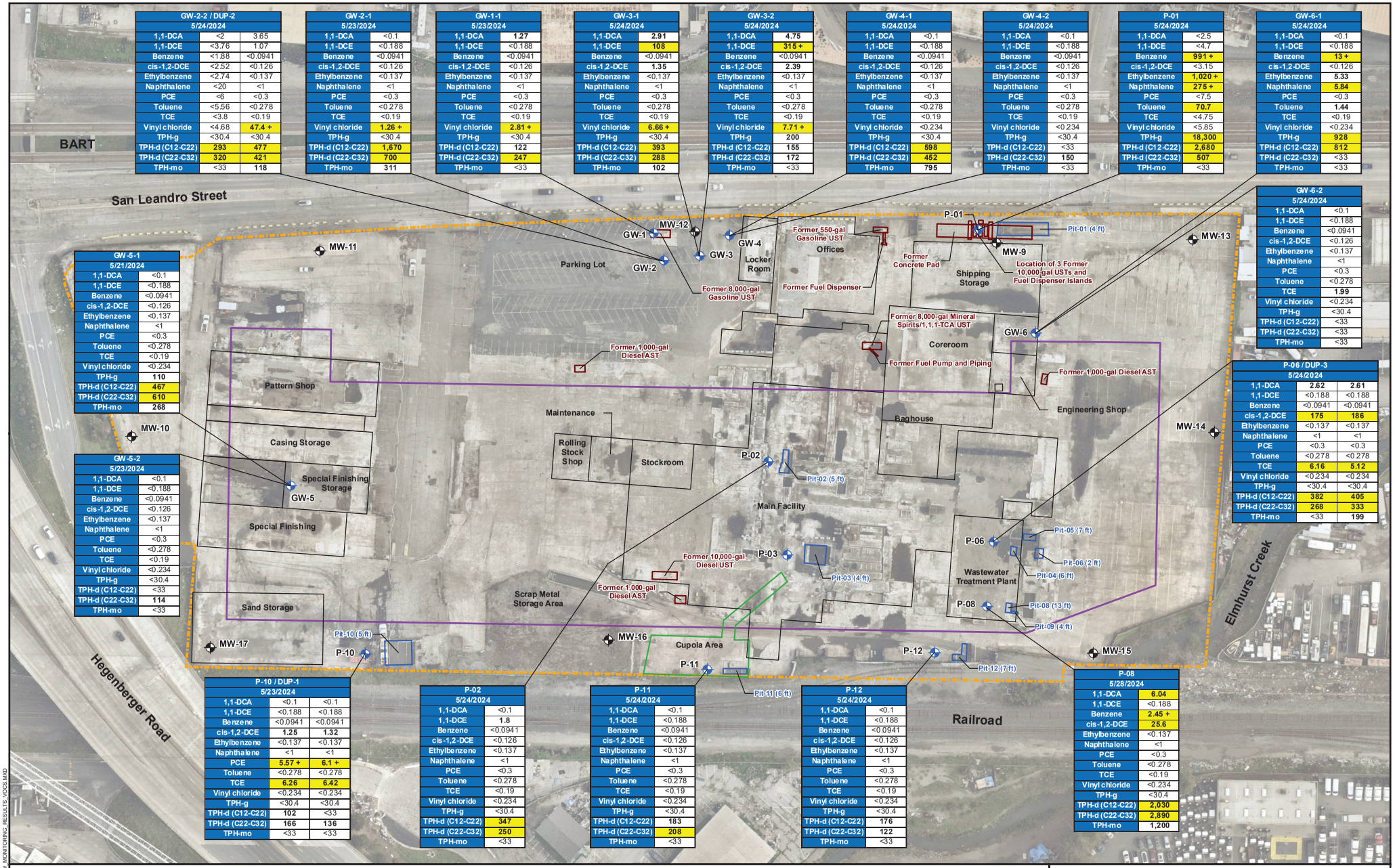
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.S.G.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F10(CL)	

FIGURE 10

I:\SRVLTN\PY\LIMITED\CA GIS\1793 - PROLOGIS\0030S000\DF\GIL\TOTAL AND DISSOLVED METAL EXCEEDANCES IN GRAB GROUNDWATER.MXD



GW-2-2 / DUP-2		
5/24/2024		
1,1-DCA	<2	3.65
1,1-DCE	<3.76	1.07
Benzene	<1.88	<0.0941
cis-1,2-DCE	<2.52	<0.126
Ethylbenzene	<2.74	<0.137
Naphthalene	<20	<1
PCE	<6	<0.3
Toluene	<5.56	<0.278
TCE	<3.8	<0.19
Vinyl chloride	<4.68	47.4 +
TPH-g	<30.4	<30.4
TPH-d (C12-C22)	293	477
TPH-d (C22-C32)	320	421
TPH-mo	<33	118

GW-2-1	
5/23/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	1.26 +
TPH-g	<30.4
TPH-d (C12-C22)	1,670
TPH-d (C22-C32)	700
TPH-mo	311

GW-1-1	
5/23/2024	
1,1-DCA	1.27
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	2.81 +
TPH-g	<30.4
TPH-d (C12-C22)	122
TPH-d (C22-C32)	247
TPH-mo	<33

GW-3-1	
5/24/2024	
1,1-DCA	2.91
1,1-DCE	108
Benzene	<0.0941
cis-1,2-DCE	1.35
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	6.66 +
TPH-g	<30.4
TPH-d (C12-C22)	393
TPH-d (C22-C32)	288
TPH-mo	102

GW-3-2	
5/24/2024	
1,1-DCA	4.75
1,1-DCE	315 +
Benzene	<0.0941
cis-1,2-DCE	2.39
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	7.71 +
TPH-g	200
TPH-d (C12-C22)	155
TPH-d (C22-C32)	172
TPH-mo	<33

GW-4-1	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	598
TPH-d (C22-C32)	452
TPH-mo	795

GW-4-2	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	<33
TPH-d (C22-C32)	150
TPH-mo	<33

P-01	
5/24/2024	
1,1-DCA	<2.5
1,1-DCE	<4.7
Benzene	991 +
cis-1,2-DCE	<3.15
Ethylbenzene	1,020 +
Naphthalene	275 +
PCE	<7.5
Toluene	70.7
TCE	<4.75
Vinyl chloride	<5.85
TPH-g	18,300
TPH-d (C12-C22)	2,680
TPH-d (C22-C32)	507
TPH-mo	<33

GW-6-1	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	13 +
cis-1,2-DCE	<0.126
Ethylbenzene	5.33
Naphthalene	5.84
PCE	<0.3
Toluene	1.44
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	928
TPH-d (C12-C22)	812
TPH-d (C22-C32)	<33
TPH-mo	<33

GW-6-2	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	1.99
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	<33
TPH-d (C22-C32)	<33
TPH-mo	<33

GW-5-1	
5/21/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	110
TPH-d (C12-C22)	467
TPH-d (C22-C32)	610
TPH-mo	268

GW-5-2	
5/23/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	<33
TPH-d (C22-C32)	114
TPH-mo	<33

P-06 / DUP-3		
5/24/2024		
1,1-DCA	2.62	2.61
1,1-DCE	<0.188	<0.188
Benzene	<0.0941	<0.0941
cis-1,2-DCE	175	186
Ethylbenzene	<0.137	<0.137
Naphthalene	<1	<1
PCE	<0.3	<0.3
Toluene	<0.278	<0.278
TCE	6.16	5.12
Vinyl chloride	<0.234	<0.234
TPH-g	<30.4	<30.4
TPH-d (C12-C22)	382	405
TPH-d (C22-C32)	268	333
TPH-mo	<33	199

P-10 / DUP-1		
5/23/2024		
1,1-DCA	<0.1	<0.1
1,1-DCE	<0.188	<0.188
Benzene	<0.0941	<0.0941
cis-1,2-DCE	1.25	1.32
Ethylbenzene	<0.137	<0.137
Naphthalene	<1	<1
PCE	5.57 +	6.1 +
Toluene	<0.278	<0.278
TCE	6.26	6.42
Vinyl chloride	<0.234	<0.234
TPH-g	<30.4	<30.4
TPH-d (C12-C22)	102	<33
TPH-d (C22-C32)	166	136
TPH-mo	<33	<33

P-02	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	1.8
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	347
TPH-d (C22-C32)	250
TPH-mo	<33

P-11	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	183
TPH-d (C22-C32)	208
TPH-mo	<33

P-12	
5/24/2024	
1,1-DCA	<0.1
1,1-DCE	<0.188
Benzene	<0.0941
cis-1,2-DCE	<0.126
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	176
TPH-d (C22-C32)	122
TPH-mo	<33

P-08	
5/28/2024	
1,1-DCA	6.04
1,1-DCE	<0.188
Benzene	2.45 +
cis-1,2-DCE	25.6
Ethylbenzene	<0.137
Naphthalene	<1
PCE	<0.3
Toluene	<0.278
TCE	<0.19
Vinyl chloride	<0.234
TPH-g	<30.4
TPH-d (C12-C22)	2,030
TPH-d (C22-C32)	2,890
TPH-mo	1,200

LEGEND

- Grab Groundwater Sampling Location
- Existing Groundwater Monitoring Well
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Former Buildings

Screening Level	MCL Priority List	Commercial/Industrial ESLs
VOCs	µg/l	
1,1-DCA	5.0E+00	3.3E+01
1,1-DCE	6.0E+00	2.8E+02
Benzene	1.0E+00	1.8E+00
cis-1,2-DCE	6.0E+00	2.1E+02
Ethylbenzene	3.0E+01	1.5E+01
Naphthalene	1.7E-01	2.0E+01
PCE	5.0E+00	2.8E+00
Toluene	4.0E+01	4.9E+03
TCE	5.0E+00	7.5E+00
Vinyl chloride	5.0E-01	1.4E-01
TPH-g	7.6E+02	NS
TPH-d (C12-C22)	2.0E+02	NS
TPH-d (C22-C32)	2.0E+02	NS
TPH-mo	NS	NS

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. San Francisco Regional Water Quality Control Board 2019. Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (table GW-1) MCL Priority. January 2019 (revision 2).
3. San Francisco Regional Water Quality Control Board 2019. ESLs: Groundwater Vapor Intrusion Human Health Risk Levels (table GW-3) Commercial/Industrial. January 2019 (revision 2).
4. All concentrations reported in micrograms per liter (µg/L).
5. Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs.
6. + = Concentration exceeds MCL Priority and GW Vapor Intrusion Commercial/Industrial ESLs.
7. All buildings have been demolished as of November 2023.
8. <X = Not detected at or above the method detection limit.
9. Ft bgs = Feet below ground surface.
10. gal = gallon.
11. NS = No standard established.
12. 1,1-DCA = 1,1-Dichloroethane
13. 1,1-DCE = 1,1-Dichloroethene
14. 1,1-TCA = 1,1-Trichloroethane.
15. PCE = Tetrachloroethene.
16. TCE = Trichloroethene.
17. TPH-g = total petroleum hydrocarbon as gasoline
18. TPH-d = total petroleum hydrocarbon as diesel
19. TPH-mo = total petroleum hydrocarbon as motor oil
20. TPH = Total petroleum hydrocarbon.
21. UST = Underground storage tank.
22. VOC = Volatile organic compound.

N

75 0 75'

Title:

VOC AND TPH EXCEEDANCES IN GRAB GROUNDWATER - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

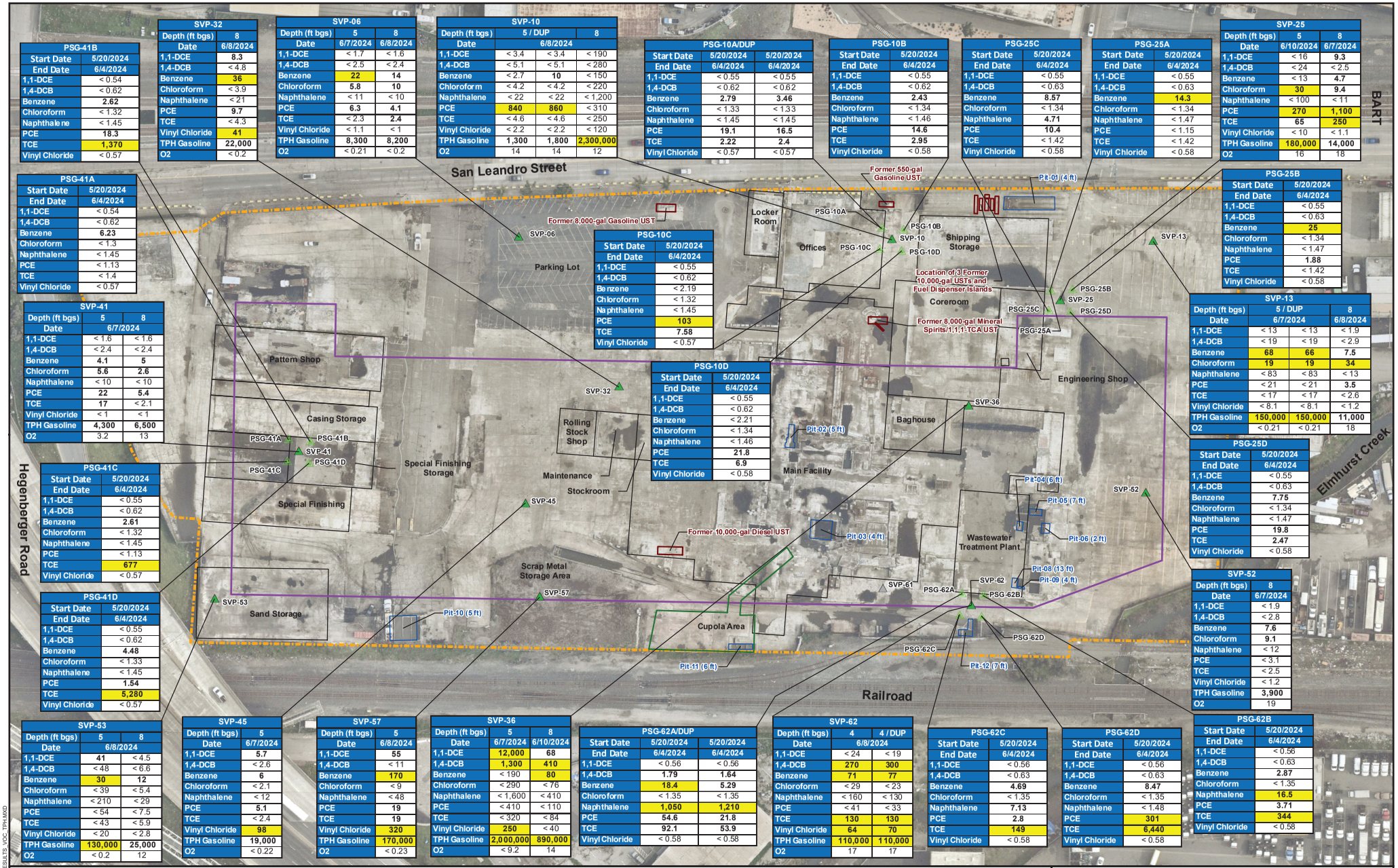
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: J.O.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F11(CL)	

FIGURE 11

\\SRVLTNJFP1\LIMITED\CAD GIS\1738 - PROLOGIS\0030S000\F11(CL)(O) GW_MONITORING_RESULTS_VOCS.MXD



PSG-41B	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.54
1,4-DCB	< 0.62
Benzene	2.62
Chloroform	< 1.32
Naphthalene	< 1.45
PCE	18.3
TCE	1,370
Vinyl Chloride	< 0.57

SVP-32	
Depth (ft bgs)	8
Date	6/8/2024
1,1-DCE	8.3
1,4-DCB	< 4.8
Benzene	36
Chloroform	< 3.9
Naphthalene	< 21
PCE	9.7
TCE	< 4.3
Vinyl Chloride	41
TPH Gasoline	22,000
O2	< 0.2

SVP-06		
Depth (ft bgs)	5	8
Date	6/7/2024	6/8/2024
1,1-DCE	< 1.7	< 1.6
1,4-DCB	< 2.5	< 2.4
Benzene	22	14
Chloroform	5.8	10
Naphthalene	< 11	< 10
PCE	6.3	4.1
TCE	< 2.3	2.4
Vinyl Chloride	< 1.1	< 1
TPH Gasoline	8,300	8,200
O2	< 0.21	< 0.2

SVP-10		
Depth (ft bgs)	5 / DUP	8
Date	6/8/2024	
1,1-DCE	< 3.4	< 190
1,4-DCB	< 5.1	< 280
Benzene	< 2.7	< 150
Chloroform	< 4.2	< 220
Naphthalene	< 22	< 1,200
PCE	840	< 310
TCE	< 4.6	< 250
Vinyl Chloride	< 2.2	< 120
TPH Gasoline	1,300	2,300,000
O2	14	12

PSG-10A/DUP		
Start Date	5/20/2024	5/20/2024
End Date	6/4/2024	6/4/2024
1,1-DCE	< 0.55	< 0.55
1,4-DCB	< 0.62	< 0.62
Benzene	2.79	3.46
Chloroform	< 1.33	< 1.33
Naphthalene	< 1.45	< 1.45
PCE	19.1	16.5
TCE	2.22	2.4
Vinyl Chloride	< 0.57	< 0.57

PSG-10B	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.62
Benzene	2.43
Chloroform	< 1.34
Naphthalene	< 1.46
PCE	14.6
TCE	2.95
Vinyl Chloride	< 0.58

PSG-25C	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.63
Benzene	8.57
Chloroform	< 1.34
Naphthalene	4.71
PCE	10.4
TCE	< 1.42
Vinyl Chloride	< 0.58

PSG-25A	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.63
Benzene	14.3
Chloroform	< 1.34
Naphthalene	< 1.47
PCE	< 1.15
TCE	< 1.42
Vinyl Chloride	< 0.58

SVP-25		
Depth (ft bgs)	5	8
Date	6/10/2024	6/7/2024
1,1-DCE	< 16	9.3
1,4-DCB	< 24	< 2.5
Benzene	< 13	4.7
Chloroform	30	9.4
Naphthalene	< 100	< 11
PCE	270	1,100
TCE	65	250
Vinyl Chloride	< 10	< 1.1
TPH Gasoline	180,000	14,000
O2	16	18

PSG-41A	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.54
1,4-DCB	< 0.62
Benzene	6.23
Chloroform	< 1.3
Naphthalene	< 1.45
PCE	< 1.13
TCE	< 1.4
Vinyl Chloride	< 0.57

PSG-10C	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.62
Benzene	< 2.19
Chloroform	< 1.32
Naphthalene	< 1.45
PCE	103
TCE	7.58
Vinyl Chloride	< 0.57

PSG-25B	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.63
Benzene	25
Chloroform	< 1.34
Naphthalene	< 1.47
PCE	1.88
TCE	< 1.42
Vinyl Chloride	< 0.58

SVP-41		
Depth (ft bgs)	5	8
Date	6/7/2024	
1,1-DCE	< 1.6	< 1.6
1,4-DCB	< 2.4	< 2.4
Benzene	4.1	5
Chloroform	5.6	2.6
Naphthalene	< 10	< 10
PCE	22	5.4
TCE	17	< 2.1
Vinyl Chloride	< 1	< 1
TPH Gasoline	4,300	6,500
O2	3.2	13

PSG-10D	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.62
Benzene	< 2.21
Chloroform	< 1.34
Naphthalene	< 1.46
PCE	21.8
TCE	6.9
Vinyl Chloride	< 0.58

SVP-13		
Depth (ft bgs)	5 / DUP	8
Date	6/7/2024	6/8/2024
1,1-DCE	< 13	< 1.9
1,4-DCB	< 19	< 2.9
Benzene	68	7.5
Chloroform	19	34
Naphthalene	< 83	< 13
PCE	< 21	3.5
TCE	< 17	< 2.6
Vinyl Chloride	< 8.1	< 1.2
TPH Gasoline	150,000	11,000
O2	< 0.21	18

PSG-41C	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.62
Benzene	2.61
Chloroform	< 1.32
Naphthalene	< 1.45
PCE	< 1.13
TCE	677
Vinyl Chloride	< 0.57

PSG-25D	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.63
Benzene	7.75
Chloroform	< 1.34
Naphthalene	< 1.47
PCE	19.8
TCE	2.47
Vinyl Chloride	< 0.58

PSG-41D	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.55
1,4-DCB	< 0.62
Benzene	4.48
Chloroform	< 1.33
Naphthalene	< 1.45
PCE	1.54
TCE	5,280
Vinyl Chloride	< 0.57

SVP-52	
Depth (ft bgs)	8
Date	6/7/2024
1,1-DCE	< 1.9
1,4-DCB	< 2.8
Benzene	7.6
Chloroform	9.1
Naphthalene	< 12
PCE	< 3.1
TCE	< 2.5
Vinyl Chloride	< 1.2
TPH Gasoline	3,900
O2	19

SVP-53		
Depth (ft bgs)	5	8
Date	6/8/2024	
1,1-DCE	41	< 4.5
1,4-DCB	< 48	< 6.6
Benzene	30	12
Chloroform	< 39	< 5.4
Naphthalene	< 210	< 29
PCE	< 54	< 7.5
TCE	< 43	< 5.9
Vinyl Chloride	< 20	< 2.8
TPH Gasoline	130,000	25,000
O2	< 0.2	12

SVP-45	
Depth (ft bgs)	5
Date	6/7/2024
1,1-DCE	5.7
1,4-DCB	< 2.6
Benzene	6
Chloroform	< 2.1
Naphthalene	< 12
PCE	5.1
TCE	< 2.4
Vinyl Chloride	98
TPH Gasoline	19,000
O2	< 0.22

SVP-57	
Depth (ft bgs)	5
Date	6/8/2024
1,1-DCE	55
1,4-DCB	< 11
Benzene	170
Chloroform	< 9
Naphthalene	< 48
PCE	19
TCE	19
Vinyl Chloride	320
TPH Gasoline	170,000
O2	< 0.23

SVP-36		
Depth (ft bgs)	5	8
Date	6/7/2024	6/10/2024
1,1-DCE	12,000	68
1,4-DCB	1,300	410
Benzene	< 190	80
Chloroform	< 290	< 76
Naphthalene	< 1,600	< 410
PCE	< 410	< 110
TCE	< 320	< 84
Vinyl Chloride	250	< 40
TPH Gasoline	2,000,000	890,000
O2	< 9.2	14

PSG-62A/DUP		
Start Date	5/20/2024	5/20/2024
End Date	6/4/2024	6/4/2024
1,1-DCE	< 0.56	< 0.56
1,4-DCB	1.79	1.64
Benzene	18.4	5.29
Chloroform	< 1.35	< 1.35
Naphthalene	1,050	1,210
PCE	54.6	21.8
TCE	92.1	53.9
Vinyl Chloride	< 0.58	< 0.58

SVP-62		
Depth (ft bgs)	4	4 / DUP
Date	6/8/2024	
1,1-DCE	< 24	< 19
1,4-DCB	270	300
Benzene	71	77
Chloroform	< 29	< 23
Naphthalene	< 160	< 130
PCE	< 41	< 33
TCE	130	130
Vinyl Chloride	64	70
TPH Gasoline	110,000	110,000
O2	17	17

PSG-62C	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.56
1,4-DCB	< 0.63
Benzene	4.69
Chloroform	< 1.35
Naphthalene	7.13
PCE	2.8
TCE	149
Vinyl Chloride	< 0.58

PSG-62D	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.56
1,4-DCB	< 0.63
Benzene	8.47
Chloroform	< 1.35
Naphthalene	< 1.48
PCE	301
TCE	6,440
Vinyl Chloride	< 0.58

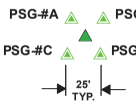
PSG-62B	
Start Date	5/20/2024
End Date	6/4/2024
1,1-DCE	< 0.56
1,4-DCB	< 0.63
Benzene	2.87
Chloroform	< 1.35
Naphthalene	16.5
PCE	3.71
TCE	344
Vinyl Chloride	< 0.58

LEGEND

- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- Identifiable Pit Location
- Former Buildings
- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location

Commercial/Industrial ESLs	
Units	µg/m³
1,1-DCE	2.6E+02
1,4-DCB	3.7E+01
Benzene	1.4E+01
Chloroform	1.8E+01
Naphthalene	1.2E+01
PCE	6.7E+01
TCE	1.0E+02
Vinyl Chloride	5.2E+00
TPH Gasoline	8.3E+04

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. All concentrations reported in micrograms per cubic meter (µg/m³).
4. < X = Not detected at or above the method detection limit.
5. San Francisco Bay Regional Water Quality Control Board (RWQCB) 2019. Environmental Screening Levels (ESLs): Subslab/ Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1). January 2019 (Revision 2).
6. Yellow highlighted concentration exceeds the Commercial/Industrial ESL for vapor intrusion risk.
7. 1,1-DCE = 1,1-Dichloroethene.
8. 1,4-DCB = 1,4-Dichlorobenzene.
9. DUP = Duplicate sample.
10. Ft bgs = Feet below ground surface.
11. gal = gallon.
12. PCE: Tetrachloroethene.
13. 1,1-TCA = 1,1-Trichloroethane.
14. TCE: Trichloroethene.
15. TPH = total petroleum hydrocarbon.
16. UST = Underground storage tank.
17. VOC = volatile orgnanic compound.

75 0 75'

Title:

VOC AND TPH EXCEEDANCES IN ACTIVE AND PASSIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F12(CL)	

FIGURE 12

I:\SRVLTN\PTY\LIMITED\CA GIS\1738 - PROLOGIS\0030S000\PROJFILES\GIS\1738_PROLOGIS0030S000.MXD 10/1/2024 3:57:38 PM jwv RESULTS_VOC_TPH.MXD



Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Tetrachloroethene (PCE)	6.7E+01

LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Vapor Step Out Sample Location
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint

PCE Concentration (µg/m3)

- 67
- 19.8 Passive Soil Vapor PCE Result

Typical Step-Out Sampling Layout:

PSG-#A PSG-#B
PSG-#C PSG-#D
25' TYP.

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. PCE = Tetrachloroethene.
3. Concentrations shown in µg/m3 (micrograms per cubic meter).
4. < = Not detected above laboratory detection limit.
5. The higher value (primary or duplicate) is displayed on the figure.
6. All buildings have been demolished as of November 2023.
7. Passive soil vapor data presented with heat maps.
8. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.

75 0 75'

Title:

HEAT MAP OF PCE IN PASSIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

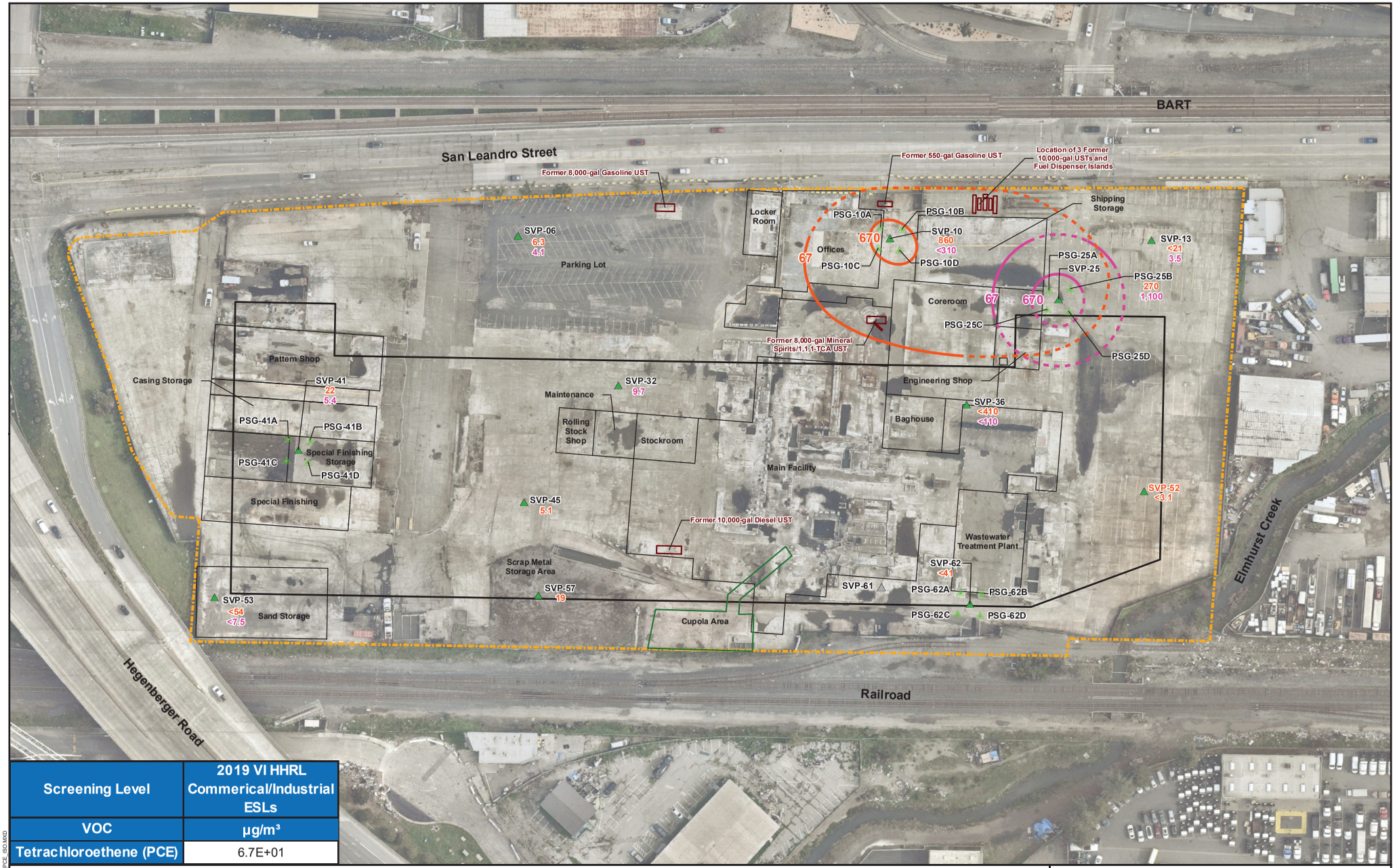
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F13a(CL)	

FIGURE 13a

I:\SRVLTN\PY\LIMITED\CA GIS\1739 - PROJ\GIS\0030S000\F13A\CL\PSG_PCE_HEATMAP.MXD

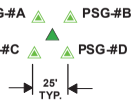


Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Tetrachloroethene (PCE)	6.7E+01

LEGEND

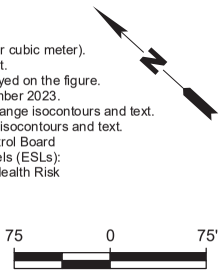
- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Vapor Step Out Sample Location
- Shallow Active Soil Vapor PCE Isocontour
- Inferred Shallow Active Soil Vapor PCE Isocontour
- Deep Active Soil Vapor PCE Isocontour
- Inferred Deep Active Soil Vapor PCE Isocontour
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- 270 Shallow PCE Sample Result
- 110 Deep PCE Sample Result

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. PCE = Tetrachloroethene.
3. Concentrations shown in µg/m3 (micrograms per cubic meter).
4. < = Not detected above laboratory detection limit.
5. The higher value (primary or duplicate) is displayed on the figure.
6. All buildings have been demolished as of November 2023.
7. Shallow active soil vapor data presented with orange isocontours and text.
8. Deep active soil vapor data presented with pink isocontours and text.
9. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.



Title:

ISOCONTOURS OF PCE IN ACTIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F13b(CL)	

FIGURE 13b

I:\SRVL7\NFP1\LIMITED\CA GIS\1739 - PROJ\GIS\0030S000\F13B(CL)\GIS_PCE_ISO.MXD



Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Trichloroethene (TCE)	1.0E+02

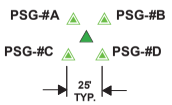
LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Vapopr Step Out Sample Location
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint

TCE Concentration (µg/m3)

- 100
- 1,000
- 5,000
- 1,370 Passive Soil Vapor TCE Result

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. TCE = Trichloroethene.
3. Concentrations shown in µg/m3 (micrograms per cubic meter).
4. < = Not detected above laboratory detection limit.
5. The higher value (primary or duplicate) is displayed on the figure.
6. All buildings have been demolished as of November 2023.
7. Passive soil vapor data presented with heat maps.
8. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.

75 0 75'

Title:

HEAT MAP OF TCE IN PASSIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/02/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F14a(CL)	

FIGURE 14a

I:\SRVLTN\PY\LIMITED\CA GIS\1739 - PROJ\GIS\0030S000\F14A\CLPSG_TCE_HEATMAP.MXD

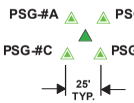


Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Trichloroethene (TCE)	1.0E+02

LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location
- Shallow Active Soil Vapor TCE Isocontour
- Inferred Shallow Active Soil Vapor TCE Isocontour
- Deep Active Soil Vapor TCE Isocontour
- Inferred Deep Active Vapor Gas TCE Isocontour
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- 17 — Shallow TCE Sample Result
- <5.9 — Deep TCE Sample Result

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. TCE = Trichloroethene.
3. Concentrations shown in µg/m3 (micrograms per cubic meter).
4. < = Not detected above laboratory detection limit.
5. The higher value (primary or duplicate) is displayed on the figure.
6. All buildings have been demolished as of November 2023.
7. Shallow active soil vapor data presented with orange isocontours and text.
8. Deep active soil vapor data presented with pink isocontours and text.
9. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.

75 0 75'

Title:

ISOCONTOURS OF TCE IN ACTIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F14b(CL)	

FIGURE 14b

I:\SRVLTN\PY\LIMITED\CA GIS\1739 - PROJ\GIS\0030S000\MXD\F14B(CL)\SG_TCE_ISO.MXD



Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Benzene	1.4E+01

LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint

Benzene Concentration (µg /m3)

- 14
- **2.61** Passive Soil Gas Benzene Result

Typical Step-Out Sampling Layout:

PSG-#A, PSG-#B, PSG-#C, PSG-#D — 25' TYP.

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. Concentrations shown in µg/m3 (micrograms per cubic meter).
3. < = Not detected above laboratory detection limit.
4. The higher value (primary or duplicate) is displayed on the figure.
5. All buildings have been demolished as of November 2023.
6. Passive soil vapor data presented with heat maps.
7. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.

75 0 75'

Title:

HEAT MAP OF BENZENE IN PASSIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

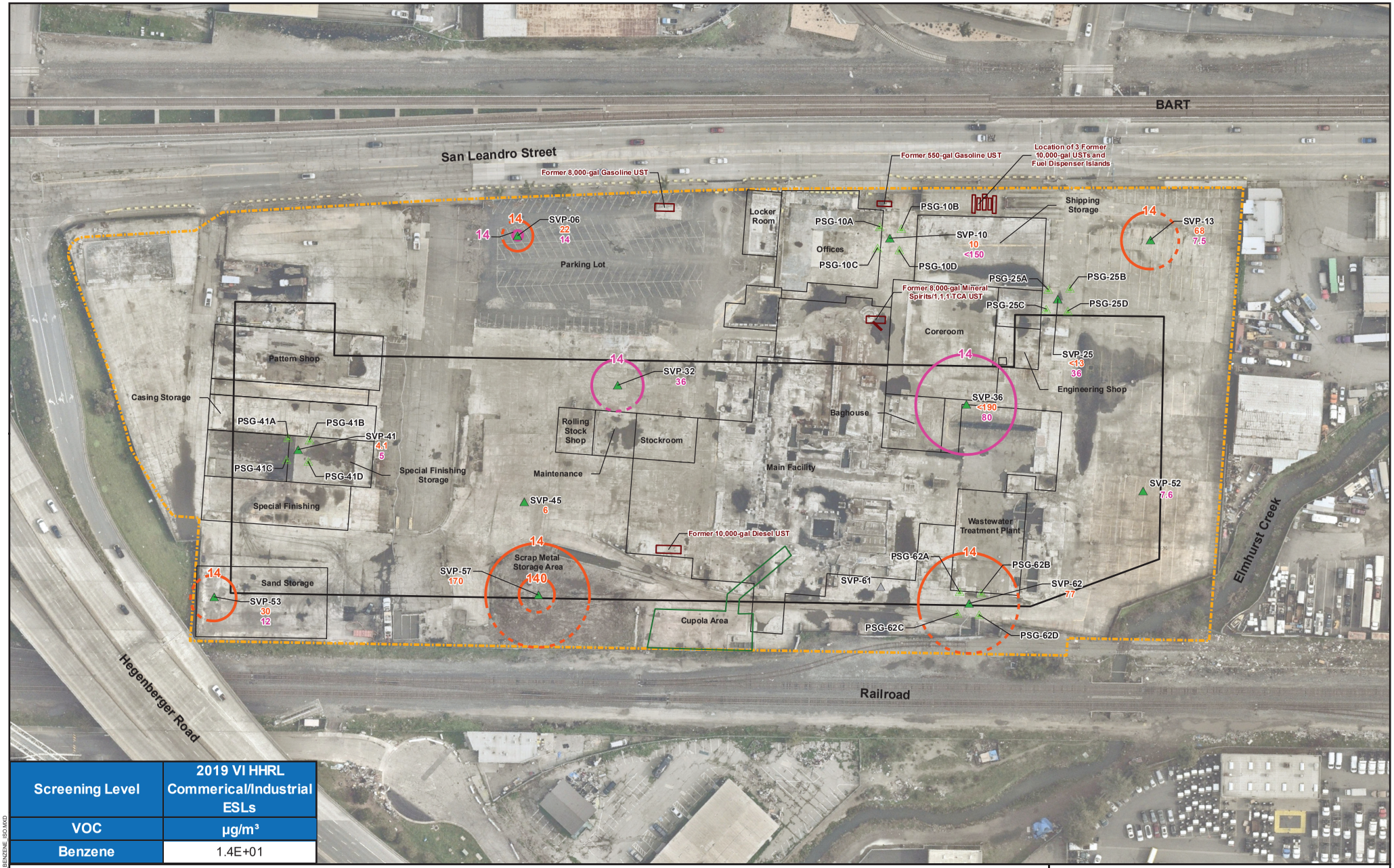
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F15a(CL)	

FIGURE **15a**

I:\SRVLTN\PF\LIMITED\CA GIS\1739 - PROLOGIS\0030S000\PF15A\CL\PSG_BENZENE_HEATMAP.MXD



Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Benzene	1.4E+01

LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location
- Shallow Active Soil Vapor Benzene Isocontour
- Inferred Shallow Active Soil Vapor Benzene Isocontour
- Deep Active Soil Vapor Benzene Isocontour
- Inferred Deep Active Soil Vapor Benzene Isocontour
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- 30 Shallow Benzene Sample Result
- 12 Deep Benzene Sample Result

Typical Step-Out Sampling Layout:

PSG-#A PSG-#B
PSG-#C PSG-#D
25' TYP.

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. Concentrations shown in µg/m3 (micrograms per cubic meter).
3. < = Not detected above laboratory detection limit.
4. The higher value (primary or duplicate) is displayed on the figure.
5. All buildings have been demolished as of November 2023.
6. Shallow active soil vapor data presented with orange isocontours and text.
7. Deep active soil vapor data presented with pink isocontours and text.
8. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.

75 0 75'

Title:

ISOCONTOURS OF BENZENE IN ACTIVE SOIL VAPOR - 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

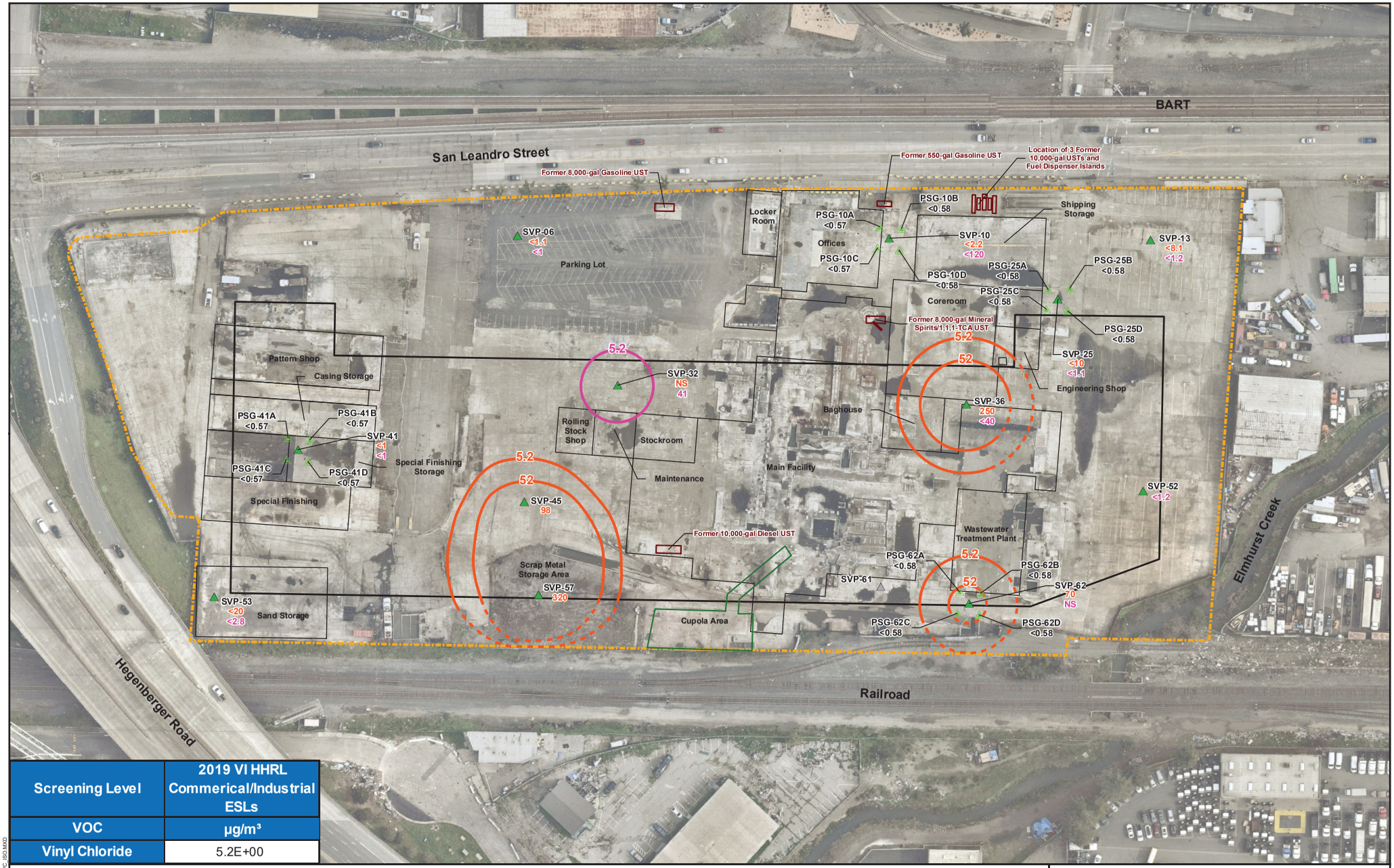
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F15b(CL)	

FIGURE 15b

I:\SRVL\TNJP1\LIMITED\CA GIS\1739 - PROLOGIS\0030S000\MXD\F15B(CL)ASG_BENZENE_ISO.MXD

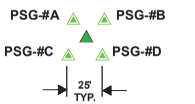


Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
Vinyl Chloride	5.2E+00

LEGEND

- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location
- Shallow Active Soil Vapor Vinyl Chloride Isocontour
- Inferred Shallow Active Vapor Gas Vinyl Chloride Isocontour
- Deep Active Soil Vapor Vinyl Chloride Isocontour
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- 30 — Shallow Vinyl Chloride Sample Result
- 12 — Deep Vinyl Chloride Sample Result
- 2.61 — Passive Soil Gas Vinyl Chloride Result

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. Concentrations shown in µg/m3 (micrograms per cubic meter).
3. < = Not detected above laboratory detection limit.
4. The higher value (primary or duplicate) is displayed on the figure.
5. All buildings have been demolished as of November 2023.
6. Shallow active soil vapor data presented with orange isocontours and text.
7. Deep active soil vapor data presented with pink isocontours and text.
8. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.
9. NS = Not sampled.

75 0 75'

Title:

ISOCONTOUR MAP OF VINYL CHLORIDE IN ACTIVE SOIL VAPOR – 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

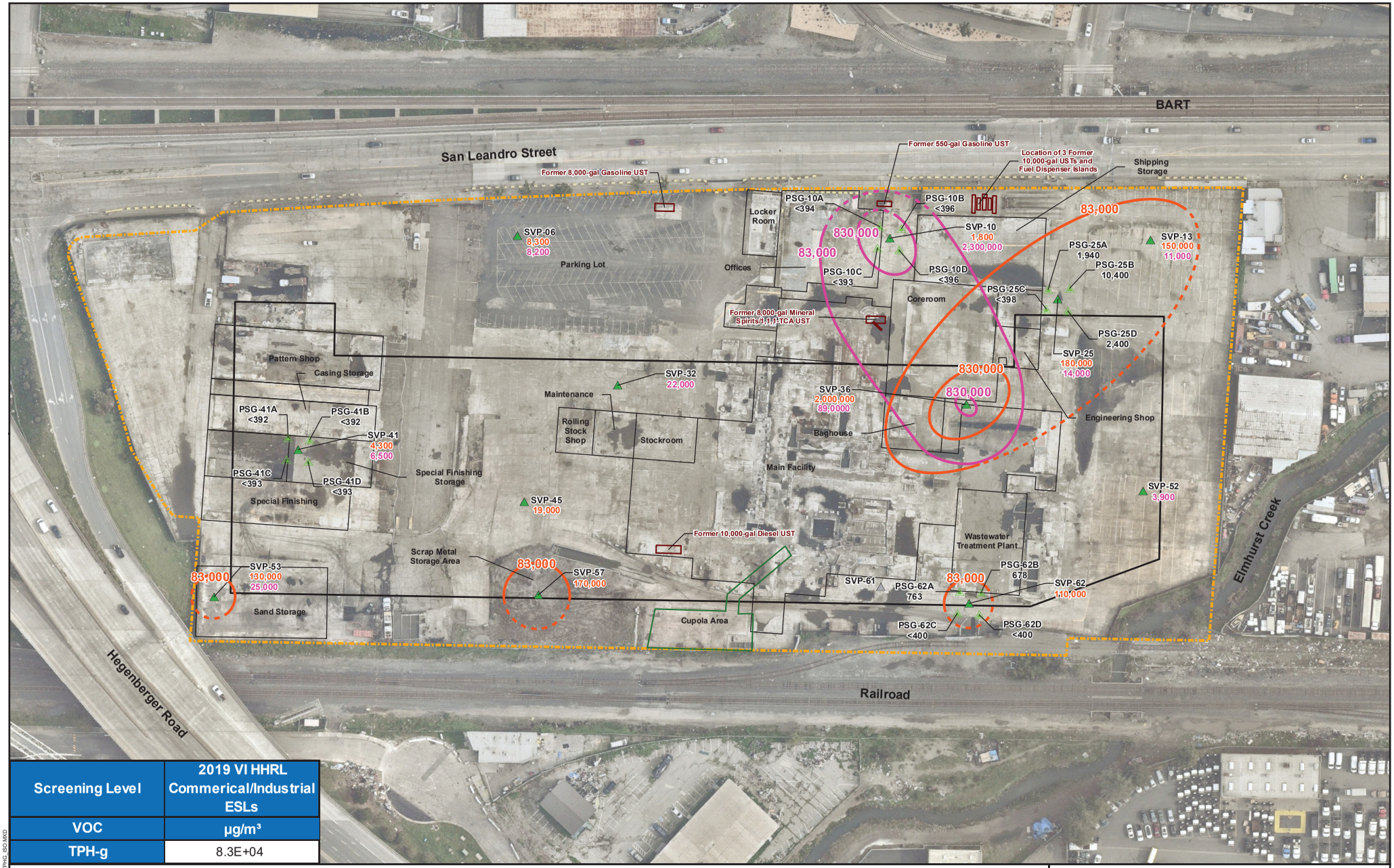
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F16(CL)	

FIGURE 16

I:\SRVLTN\PY\LIMITED\CA GIS\1793 - PROJ\GIS\0030S000\MXD\F16(JAS)_VC_ISO.MXD

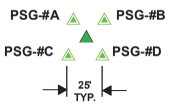


Screening Level	2019 VI HHRL Commerical/Industrial ESLs
VOC	µg/m³
TPH-g	8.3E+04

LEGEND

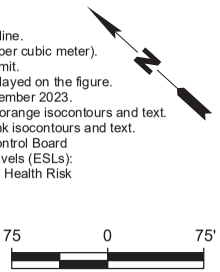
- Active Soil Vapor Probe Location
- Proposed Active Soil Vapor Probe Location Not Installed (Roux, 2024)
- Passive Soil Gas Step Out Sample Location
- Shallow Active Soil Vapor TPH-g Isocontour
- Inferred Shallow Active Soil Vapor TPH-g Isocontour
- Deep Active Soil Vapor TPH-g Isocontour
- Inferred Deep Active Soil Vapor TPH-g Isocontour
- Former Buildings
- Approximate Site Boundary
- Cupola Area
- Proposed Building Footprint
- 17,000 Shallow Vinyl Chloride Sample Result
- 25,000 Deep Vinyl Chloride Sample Result
- 763 Passive Soil Gas Vinyl Chloride Result

Typical Step-Out Sampling Layout:



NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. TPH-g = Total petroleum hydrocarbons - gasoline.
3. Concentrations shown in µg/m3 (micrograms per cubic meter).
4. < = Not detected above laboratory detection limit.
5. The higher value (primary or duplicate) is displayed on the figure.
6. All buildings have been demolished as of November 2023.
7. Shallow active soil vapor data presented with orange isocontours and text.
8. Deep active soil vapor data presented with pink isocontours and text.
9. San Francisco Bay Regional Water Quality Control Board (RWQCB), 2019. Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion (VI): Human Health Risk Levels (HHRL) (Table SG-1). January 2019.



Title:

ISOCONTOUR MAP OF TPH-G IN ACTIVE SOIL VAPOR – 2024 DATA GAP INVESTIGATION

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 10/01/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F17(CL)	

FIGURE 17

I:\SVL\TNJP1\LIMITED\CA GIS\1738 - PROJ\GIS\0030S000\MXD\F17(CL)ASG_TPHG_ISO.MXD

APPENDICES

A. Cross Sections
B. Previous Soil Gas Heat Maps
C. Langan Cone Penetration Test Logs
D. Permits
E. Site Plan with Sample Stake Locations
F. Boring Logs
G. Passive Soil Vapor Sampler Construction Detail
H. Laboratory Analytical Reports and Chain-of-Custody Records
I. Groundwater Sampling Forms
J. Soil Vapor Sampling Logs
K. Passive Soil Gas Standard Operating Procedure
L. Waste Manifests

APPENDIX A

Cross Sections



LEGEND

- Approximate Site Boundary
- Cupola Area
- Identifiable Pit Location
- Former Buildings
- Bio Swale Soil Boring (Roux, 2024)
- CPT Location (Langan, 2024)
- Cross Section Line
- CPT borings (Iwasa, 2022)
- Environmental Soil Boring Sample Location (Hayley & Aldrich, 2022)
- Geotech Soil Boring (IWASA, 2022)
- Soil Boring (The Source Group, Inc. [SGI], 2008)
- 150' Grid Soil Boring (Roux, 2024)
- Utility Corridor Soil Boring (Roux, 2024)
- Existing Groundwater Monitoring Well (Roux, 2023)
- Decommissioned Groundwater Monitoring Well (BSK, 1993, 2006)
- Soil and Grab Groundwater Sampling Location (Roux, 2024)
- Passive Soil Gas Step Out Sample Location (Roux, 2024)
- Active Soil Vapor Probe Location (Roux, 2024)
- Soil Gas Sampling Location (SGI, 2007; SGI, 2008; SGI, 2009)
- Historical Passive Soil Vapor Sample Locations (Roux, 2023)

NOTES

1. Aerial Source: Nearmap Imagery (2/23/2024).
2. All buildings have been demolished as of November 2023.
3. 1,1,1-TCA = 1,1,1-Trichloroethane.
4. CPT = Cone penetration test.
5. UST = Underground storage tank.

75 0 75'

Title:

CROSS SECTION SITE PLAN

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

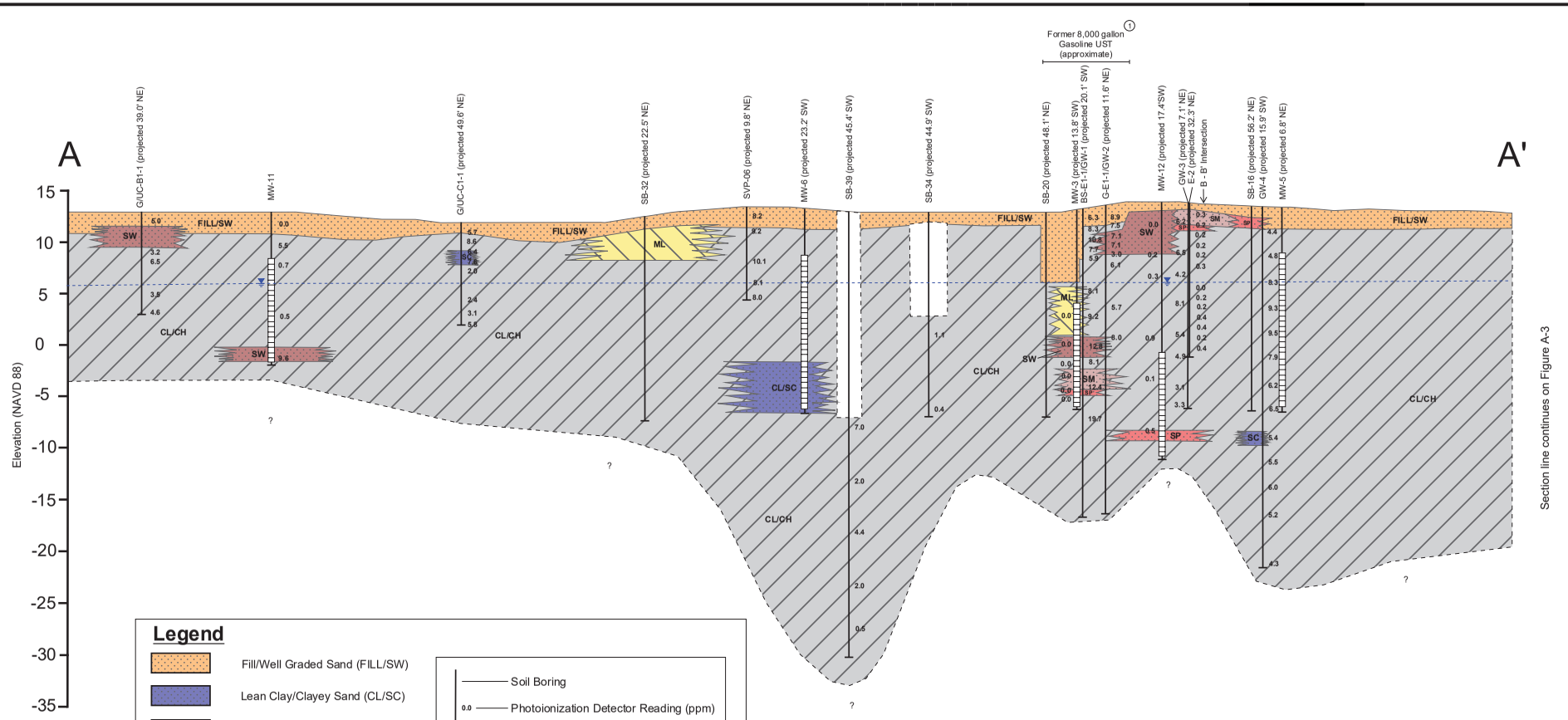
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: D.B.	Date: 09/09/24
Prepared by: J.W.V.	Scale: AS SHOWN
Project Mgr: J.O.	Project: 1793.0030S000
File: F2(CP)	

FIGURE A-1

\\SRVLTNFP1\LMITED\CA GIS\1738 - PROJ\GIS\0030S000\F2\CLSITEPLAN_HISTORICAL_RECENT_SAMPLES.MXD



Legend

- Fill/Well Graded Sand (FILL/SW)
- Lean Clay/Clayey Sand (CL/SC)
- Lean/Fat Clay (CL/CH)
- Not Logged for Various Reasons
- Poorly Graded Sand (SP)
- Silt (ML)
- Silty Sand (SM)
- Well Graded Sand (SW)

- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval
- Potentiometric Surface
- Lithologic unit contact; dashed where infered

Notes

① Former 8,000 gallon gasoline underground storage tank (UST) removal excavation estimated based on information provided in ASTM Phase I Environmental Site Assessment (Haley and Aldrich, 2022).

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-11	5.93
MW-12	5.87

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Haley and Aldrich, 2022.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- Section line A - A' trends N43°W.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

10
0
50

Title:

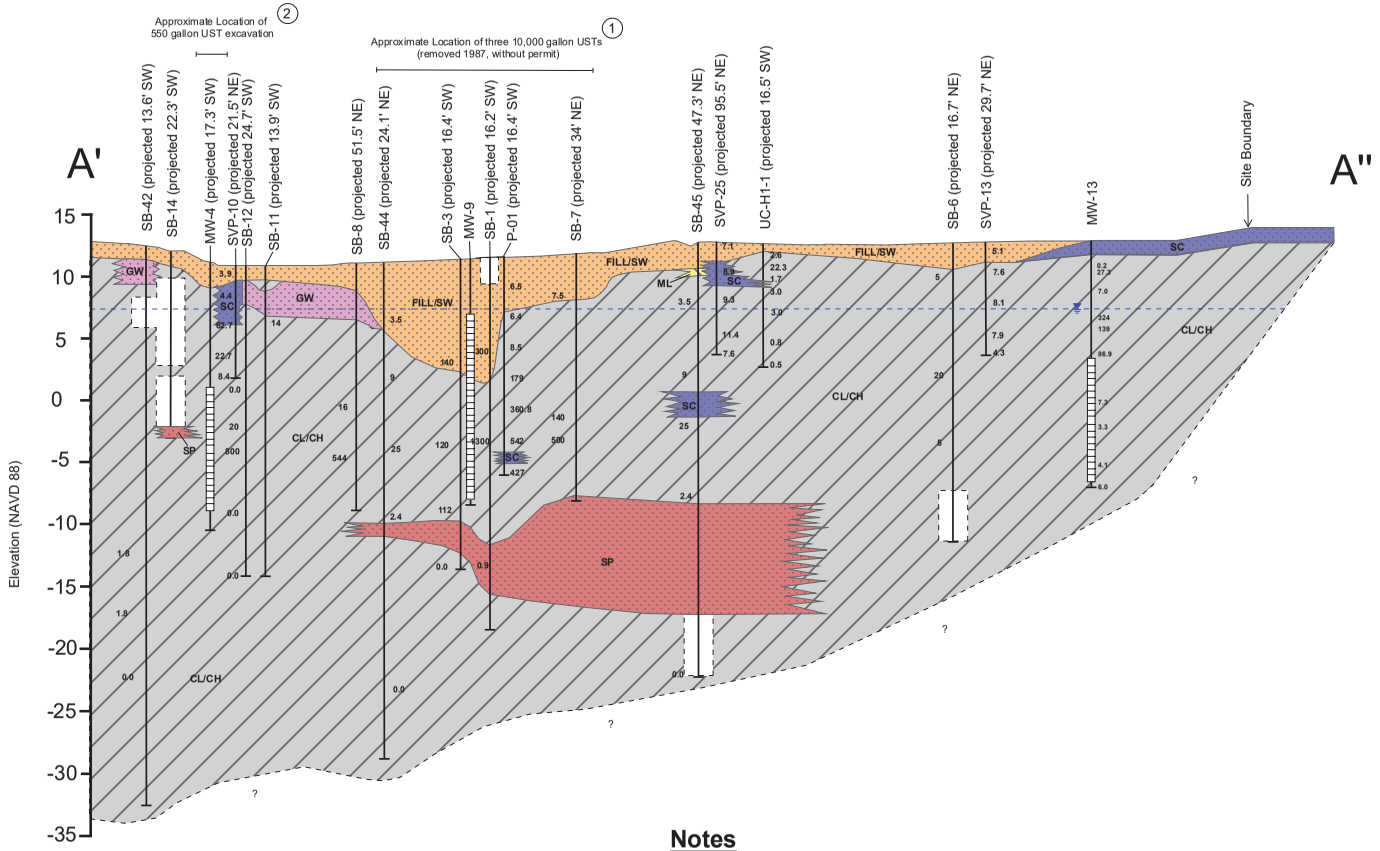
CROSS SECTION A - A'

AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: M.R.	Date: 9/6/24	FIGURE
Prepared by: M.R.	Scale: AS SHOWN	A-2
ProjectMgr: J.O.	Project: 1793.0030S000	
File: 1793.0030S000.C2.pdf		



Notes

1. Former three 10,000 gallon underground storage tank removal excavation estimated based on information provided in ASTM Phase I Environmental Site Assessment (Haley and Aldrich, 2022).
2. Former three 550 gallon underground storage tank removal excavation estimated based on information provided in ASTM Phase I Environmental Site Assessment (Haley and Aldrich, 2022).

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-13	7.26

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Haley and Aldrich, 2022.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- Section line A' - A" trends N43°W.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Legend

- Clayey Sand (SC)
- Fill/Well Graded Sand (FILL/SW)
- Lean/Fat Clay (CL/CH)
- Not Logged for Various Reasons
- Poorly Graded Sand (SP)
- Silt (ML)
- Sandy Gravel (GW)

- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval
- Potentiometric Surface
- Lithologic unit contact; dashed where infered

10
0
50

Title:

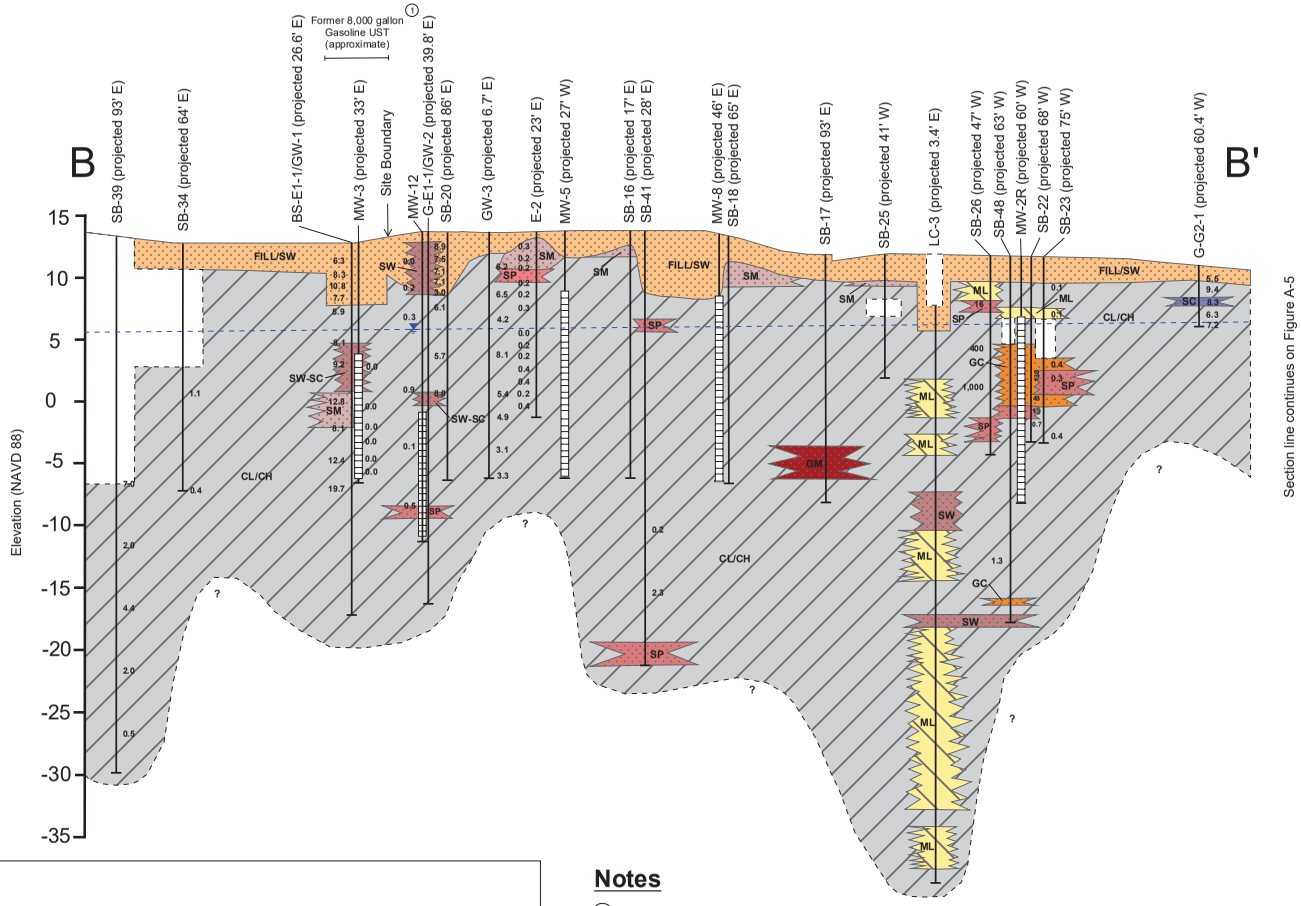
CROSS SECTION A' - A"

AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: M.R.	Date: 9/6/24	FIGURE
Prepared by: M.R.	Scale: AS SHOWN	A-3
ProjectMgr: J.O.	Project: 2723.0019S000	
File: 2723.0019S00.C3.pdf		



Legend

- Lean/Fat Clay (CL/CH)
- Fill/Well Graded Sand (FILL/SW)
- Silt (ML)
- Well Graded Sand (SW)
- Clayey Sand (SC)
- Silty Sand (SM)
- Poorly Graded Sand (SP)
- Not Logged for Various Reasons
- Silty Gravel (GM)
- Clayey Gravel (GC)
- Potentiometric Surface
- Lithologic unit contact; dashed where infered
- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval

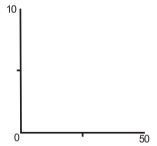
Notes

1. Former 8,000 gallon gasoline underground storage tank (UST) removal excavation estimated based on information provided in ASTM Phase I Environmental Site Assessment (Haley and Aldrich, 2022).

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-12	5.87

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Haley and Aldrich, 2022.
  - Langan, 2024
  - Roux, 2023.
  - The Source Group, Inc., 2007.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).



Title:

CROSS SECTION B - B'

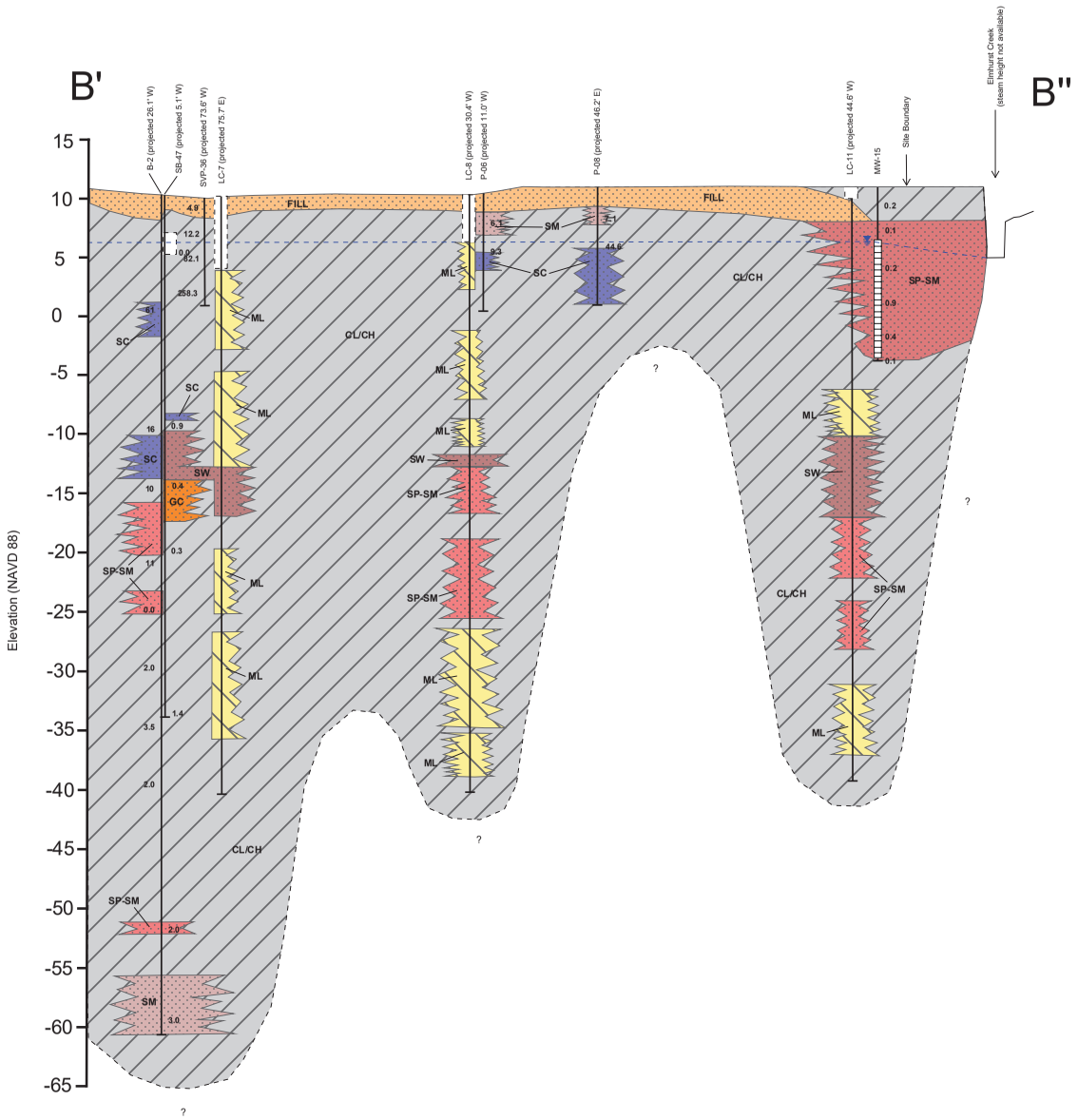
AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by:	M.R.	Date:	9/6/24
Prepared by:	M.R.	Scale:	AS SHOWN
ProjectMgr:	J.O.	Project:	1793.0030S000
File:	1793.0030S000.C4.pdf		

FIGURE
A-4



Legend

- Lean/Fat Clay (CL/CH)
- Fill (FILL)
- Silt (ML)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Clayey Sand (SC)
- Silty Sand (SM)
- Poorly Graded Sand to Silty Sand (SP-SM)
- Not Logged for Various Reasons

- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval

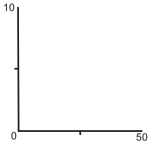
- Potentiometric Surface
- Lithologic unit contact; dashed where infered

Notes

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-15	6.14

- Subsurface records interpreted from the following boring log sources:
  - Iwasa, 2022.
  - Langan, 2024.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).



Title:

CROSS SECTION B' - B"

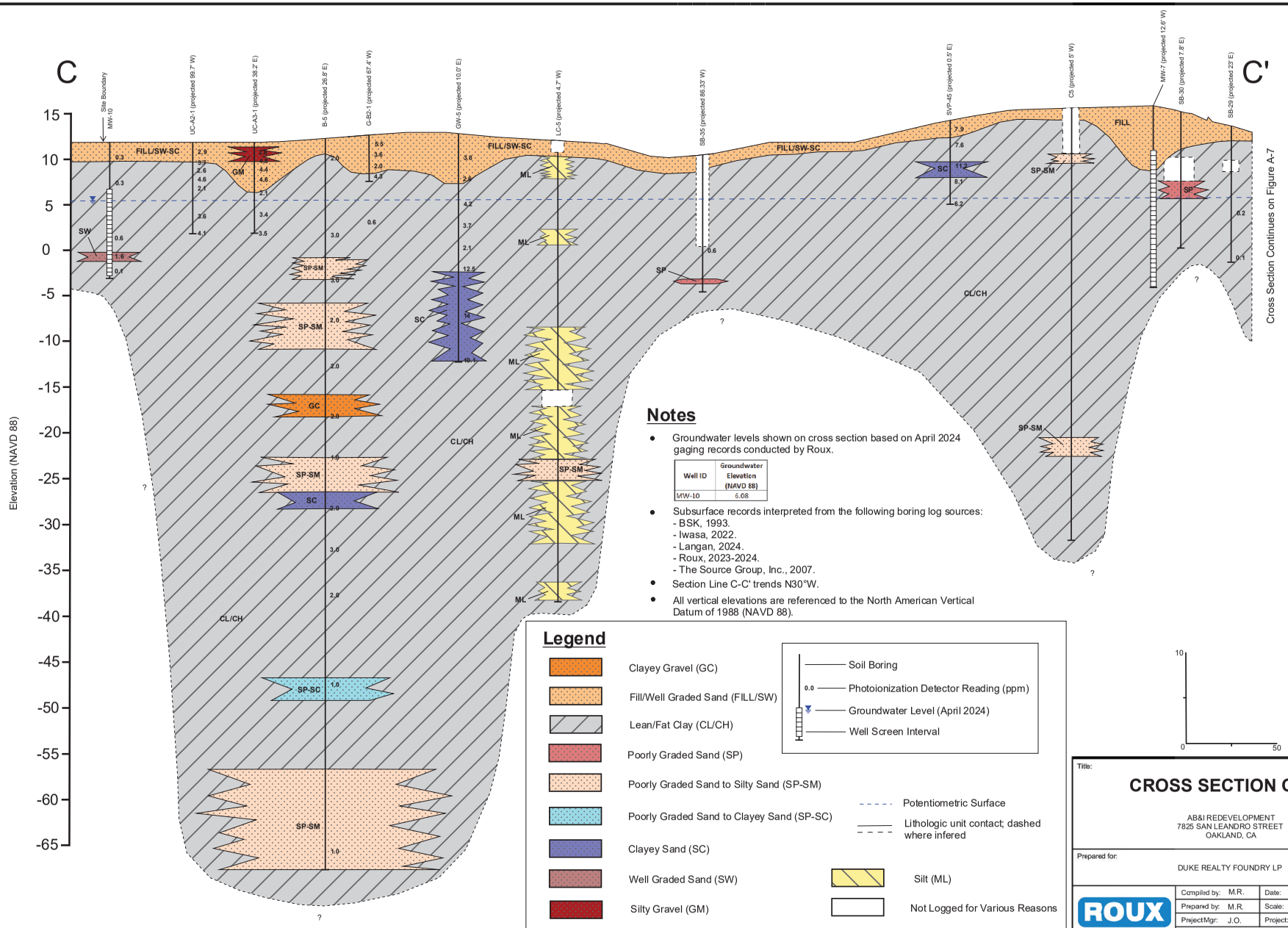
AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by:	M.R.	Date:	9/6/24
Prepared by:	M.R.	Scale:	AS SHOWN
ProjectMgr:	J.O.	Project:	1793.0030S000
File:	1793.0030S000.C5.pdf		

FIGURE
A-5



Notes

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-10	6.08

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Iwasa, 2022.
  - Langan, 2024.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- Section Line C-C' trends N30°W.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Legend

- Clayey Gravel (GC)
- Fill/Well Graded Sand (FILL/SW)
- Lean/Fat Clay (CL/CH)
- Poorly Graded Sand (SP)
- Poorly Graded Sand to Silty Sand (SP-SM)
- Poorly Graded Sand to Clayey Sand (SP-SC)
- Clayey Sand (SC)
- Well Graded Sand (SW)
- Silty Gravel (GM)
- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval
- Potentiometric Surface
- Lithologic unit contact; dashed where infered
- Silt (ML)
- Not Logged for Various Reasons

10
0
50

Title:

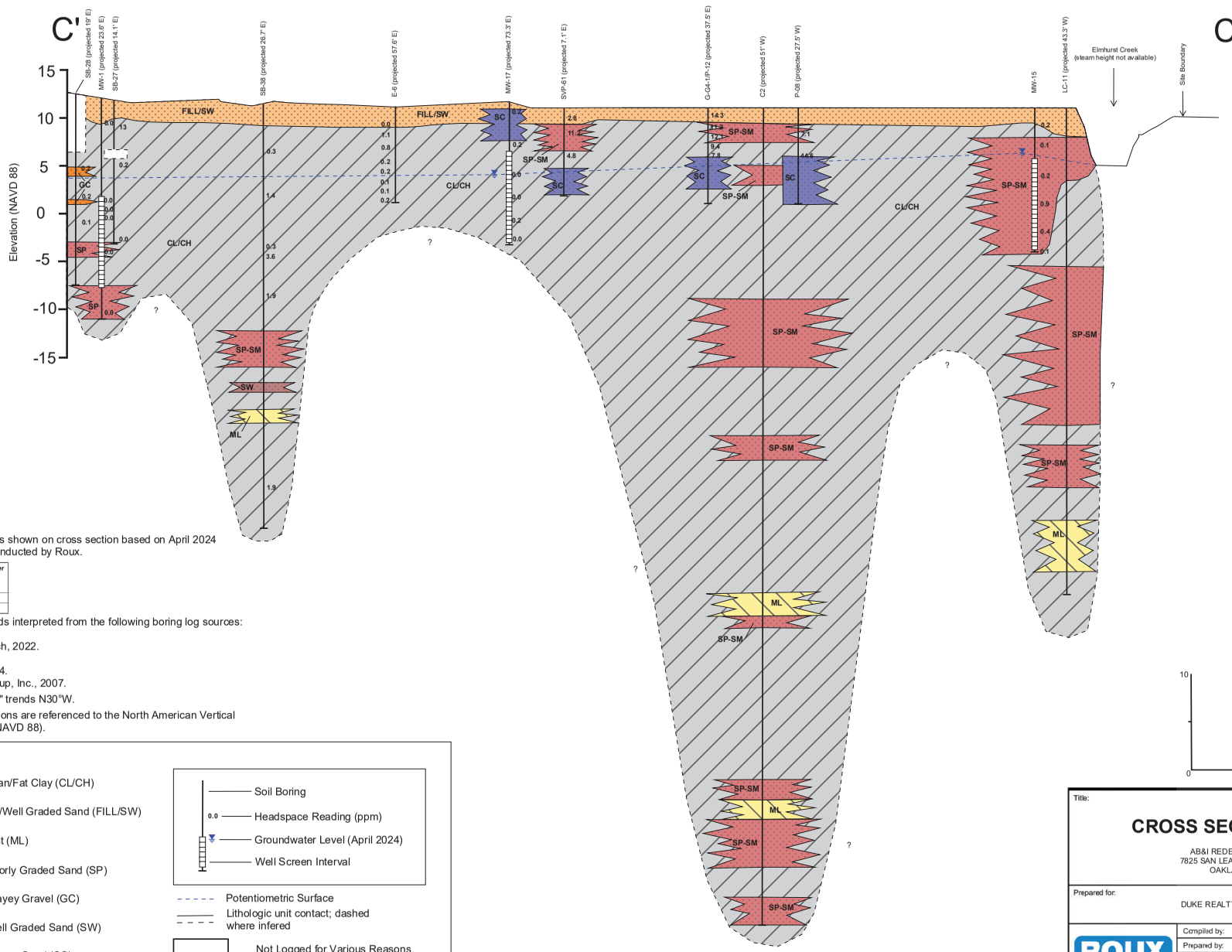
CROSS SECTION C - C'

AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: M.R.	Date: 9/6/24	FIGURE
Prepared by: M.R.	Scale: AS SHOWN	A-6
ProjectMgr: J.O.	Project: 1793.0030S000	
File: 1793.0030S000.C6.pdf		



Notes

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-15	5.14
MW-17	4.78

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Haley and Aldrich, 2022.
  - Langan, 2024.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- Section Line C'-C" trends N30°W.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Legend

- Lean/Fat Clay (CL/CH)
- Fill/Well Graded Sand (FILL/SW)
- Silt (ML)
- Poorly Graded Sand (SP)
- Clayey Gravel (GC)
- Well Graded Sand (SW)
- Clayey Sand (SC)

- Soil Boring
- 0.0 Headspace Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval
- Potentiometric Surface
- Lithologic unit contact; dashed where infered
- Not Logged for Various Reasons

10
0
50

Title:

CROSS SECTION C' - C"

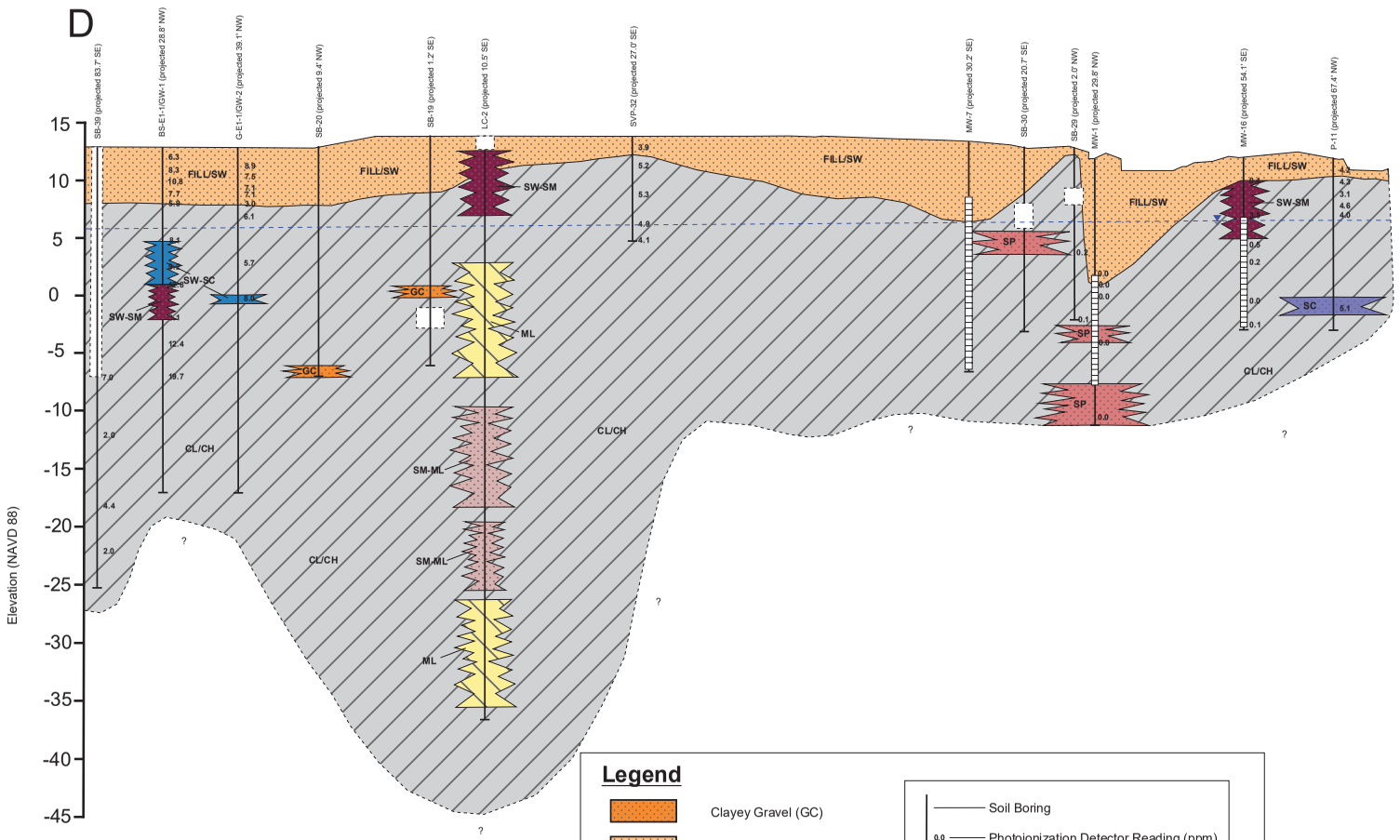
AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by:	M.R.	Date:	9/6/24
Prepared by:	M.R.	Scale:	AS SHOWN
ProjectMgr:	J.O.	Project:	1793.0030S000
File:	1793.0030S000.C7.pdf		

FIGURE
A-7



Notes

- Groundwater levels shown on cross section based on April 2024 gaging records conducted by Roux.

Well ID	Groundwater Elevation (NAVD 88)
MW-16	7.72

- Subsurface records interpreted from the following boring log sources:
  - BSK, 1993.
  - Langan, 2024.
  - Roux, 2023-2024.
  - The Source Group, Inc., 2007.
- All vertical elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Legend

- Clayey Gravel (GC)
- Fill/Well Graded Sand (FILL/SW)
- Lean/Fat Clay (CL/CH)
- Poorly Graded Sand (SP)
- Well Graded Sand to Clayey Sand (SW-SC)
- Well Graded Sand to Silty Sand (SW-SM)
- Clayey Sand (SC)
- Silty Sand to Silt (SM-ML)
- Silt (ML)
- Not Logged for Various Reasons

- Soil Boring
- 0.0 Photoionization Detector Reading (ppm)
- Groundwater Level (April 2024)
- Well Screen Interval
- Potentiometric Surface
- Lithologic unit contact; dashed where infered

10
0
50

Title:

CROSS SECTION D - D'

AB&I REDEVELOPMENT
7825 SAN LEANDRO STREET
OAKLAND, CA

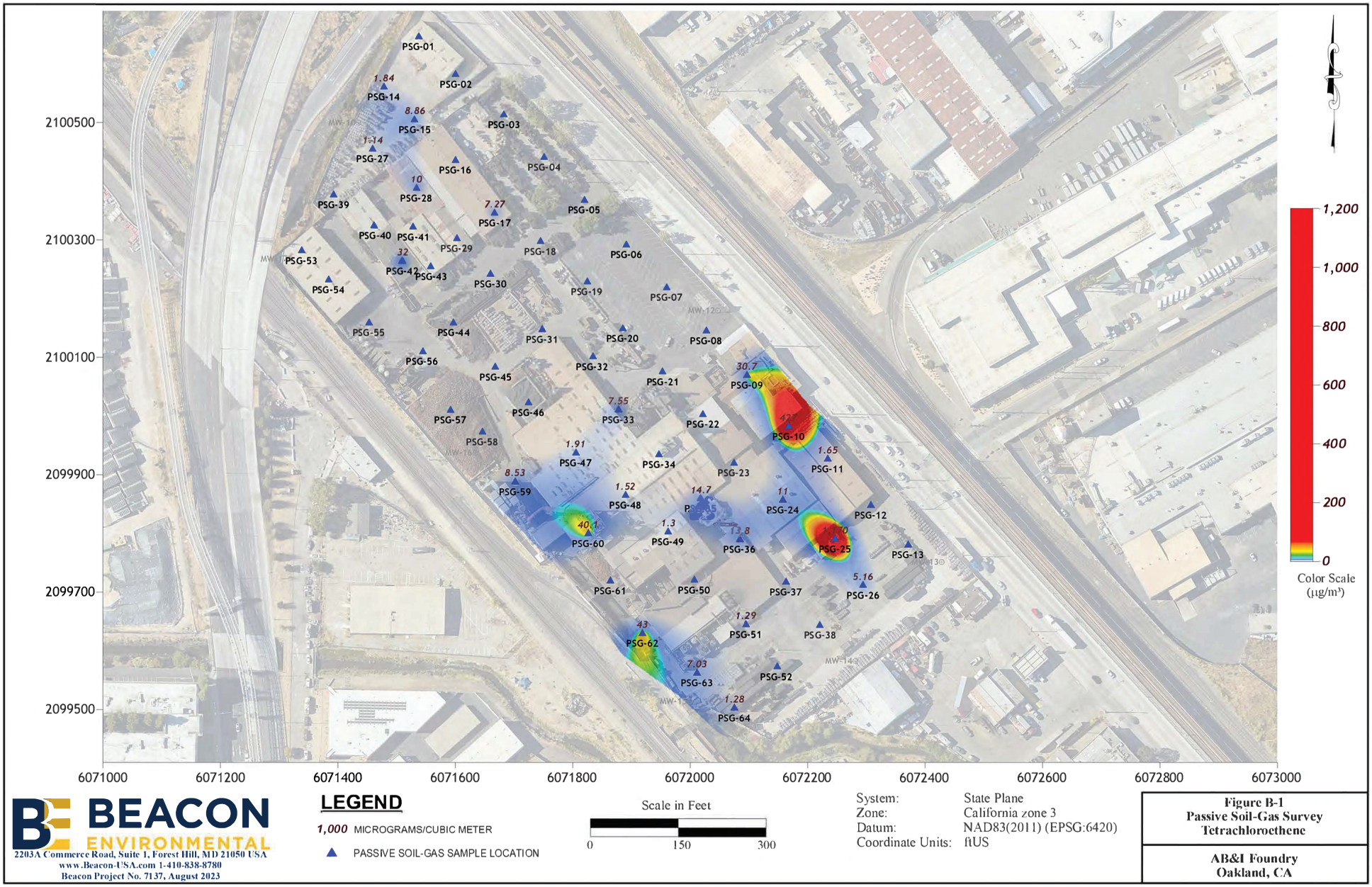
Prepared for:
DUKE REALTY FOUNDRY LP

ROUX

Compiled by: M.R.	Date: 9/6/24	FIGURE
Prepared by: M.R.	Scale: AS SHOWN	A-8
ProjectMgr: J.O.	Project: 1793.0030S000	
File: 1793.0030S000.C8.pdf		

APPENDIX B

Previous Soil Gas Heat Maps



BEACON ENVIRONMENTAL
2203A Commerce Road, Suite 1, Forest Hill, MD 21050 USA
www.Beacon-USA.com 1-410-838-8780
Beacon Project No. 7137, August 2023

LEGEND

1,000 MICROGRAMS/CUBIC METER

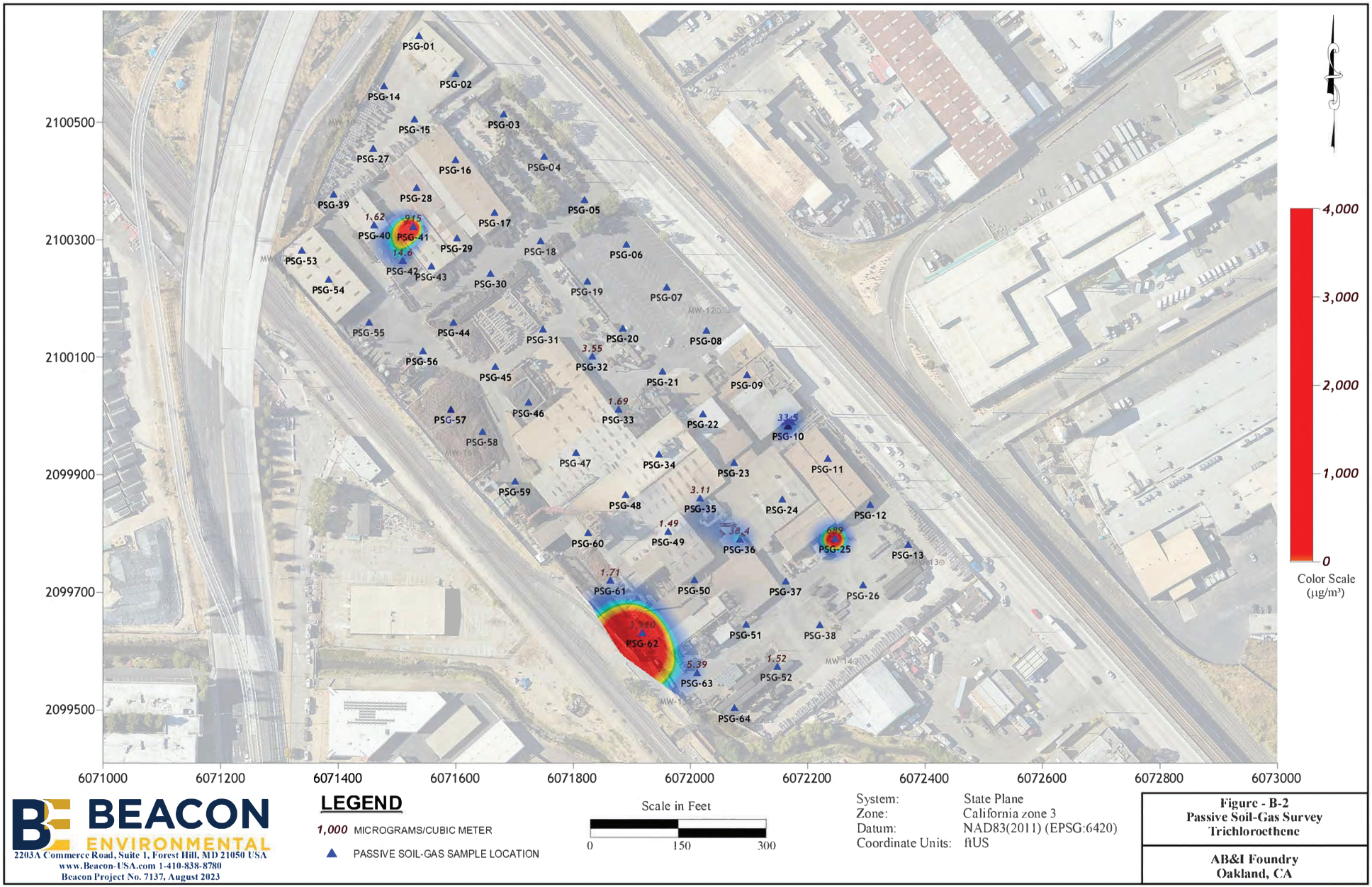
▲ PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet
0 150 300

System:	State Plane
Zone:	California zone 3
Datum:	NAD83(2011) (EPSG:6420)
Coordinate Units:	ftUS

Figure B-1
Passive Soil-Gas Survey
Tetrachloroethene

AB&I Foundry
Oakland, CA



LEGEND

1,000 MICROGRAMS/CUBIC METER

▲ PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

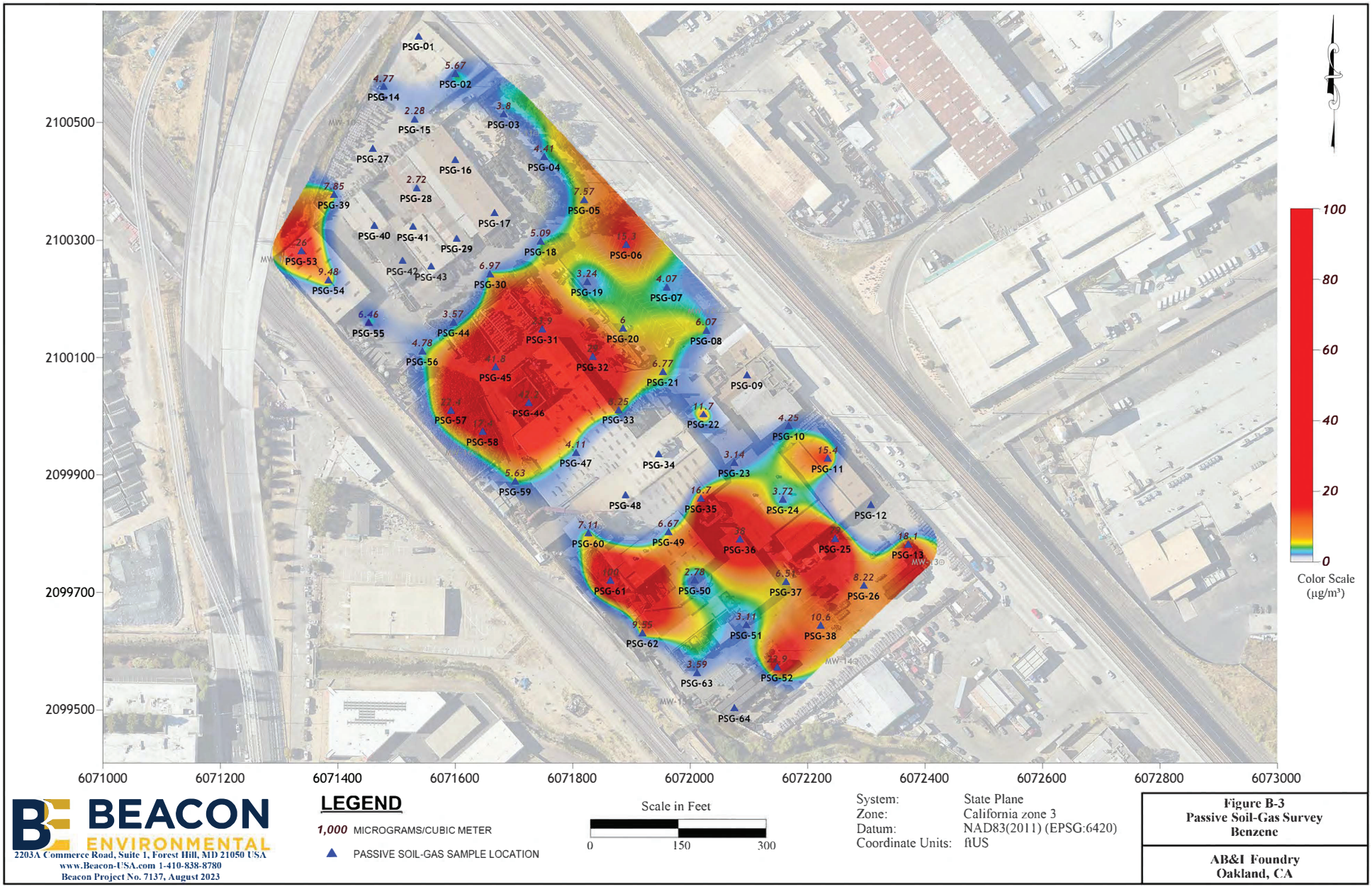
0 150 300

System:	State Plane
Zone:	California zone 3
Datum:	NAD83(2011) (EPSG:6420)
Coordinate Units:	ftUS

Figure - B-2
Passive Soil-Gas Survey
Trichloroethene

AB&I Foundry
Oakland, CA

BEACON ENVIRONMENTAL
2203A Commerce Road, Suite 1, Forest Hill, MD 21050 USA
www.Beacon-USA.com 1-410-838-8780
Beacon Project No. 7137, August 2023



LEGEND

1,000 MICROGRAMS/CUBIC METER

▲ PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

0 150 300

System:	State Plane
Zone:	California zone 3
Datum:	NAD83(2011) (EPSG:6420)
Coordinate Units:	ftUS

Figure B-3
Passive Soil-Gas Survey
Benzene

AB&I Foundry
Oakland, CA

BEACON ENVIRONMENTAL
2203A Commerce Road, Suite 1, Forest Hill, MD 21050 USA
www.Beacon-USA.com 1-410-838-8780
Beacon Project No. 7137, August 2023

APPENDIX C

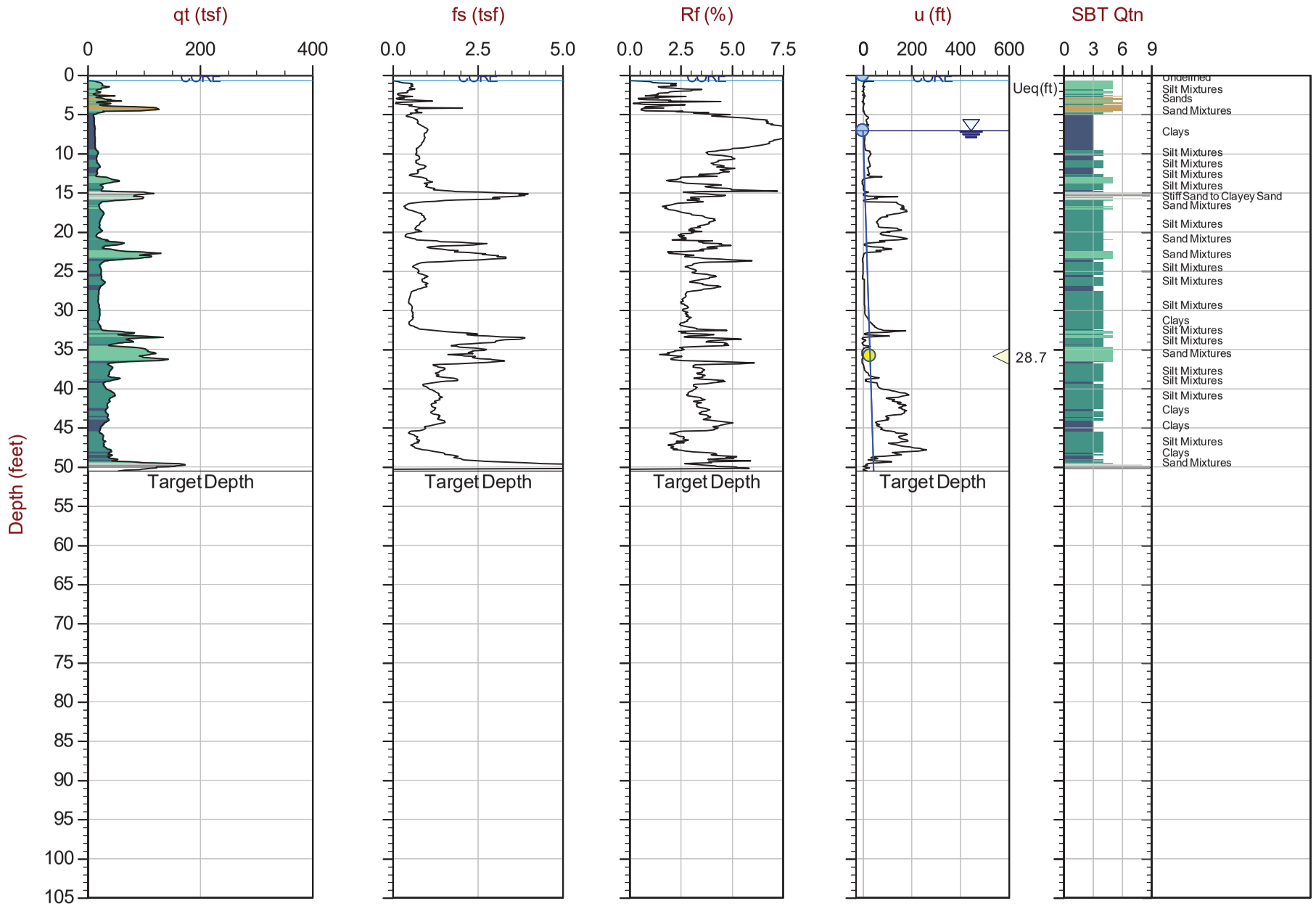
Langan Cone Penetration Test Logs

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-04 07:24
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-1
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP01.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178533m E: 570897m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

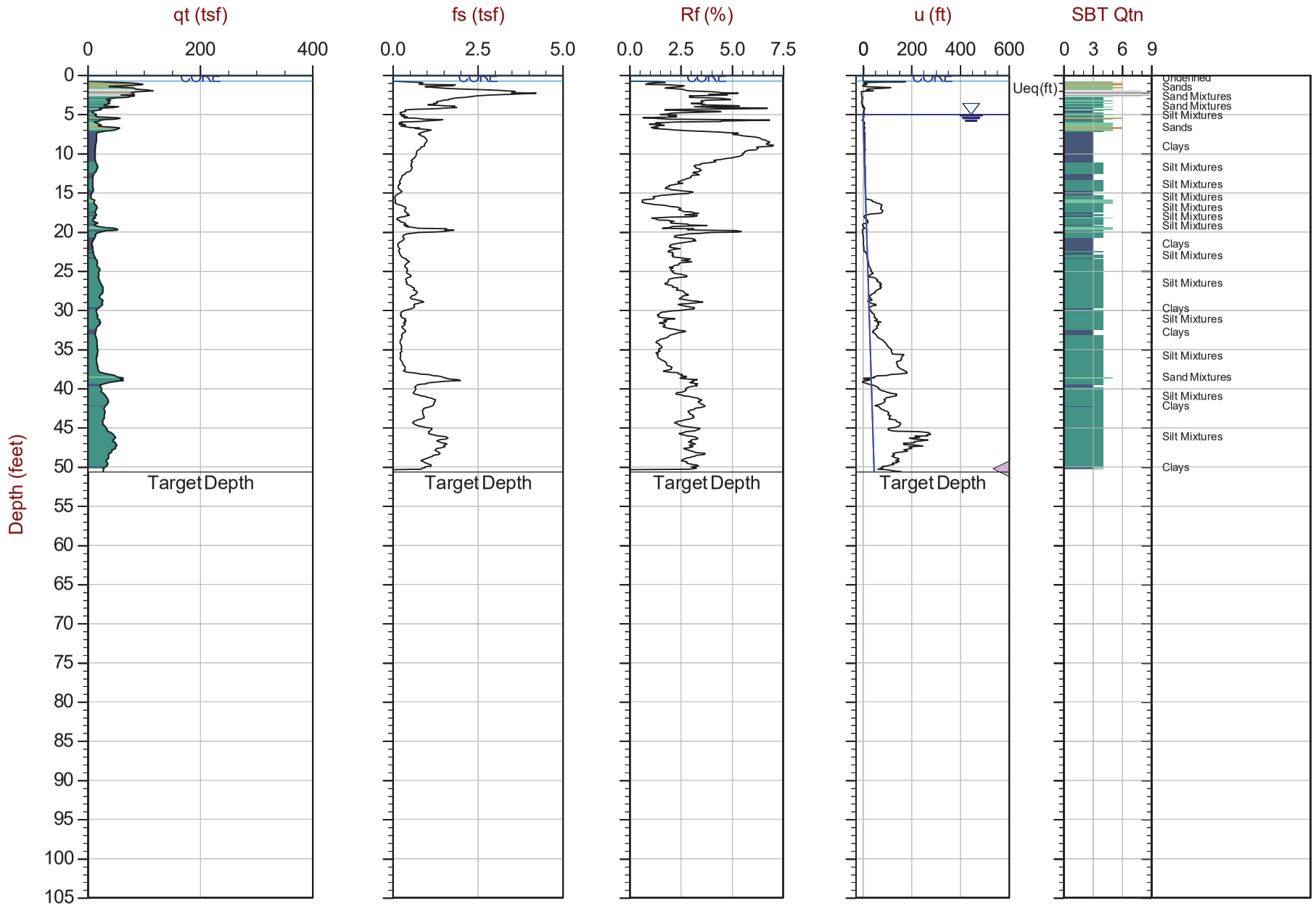
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-03 10:26
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-2
Cone: 813:T1500F15U35



Max Depth: 15.425 m / 50.61 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP02.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178388m E: 570993m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

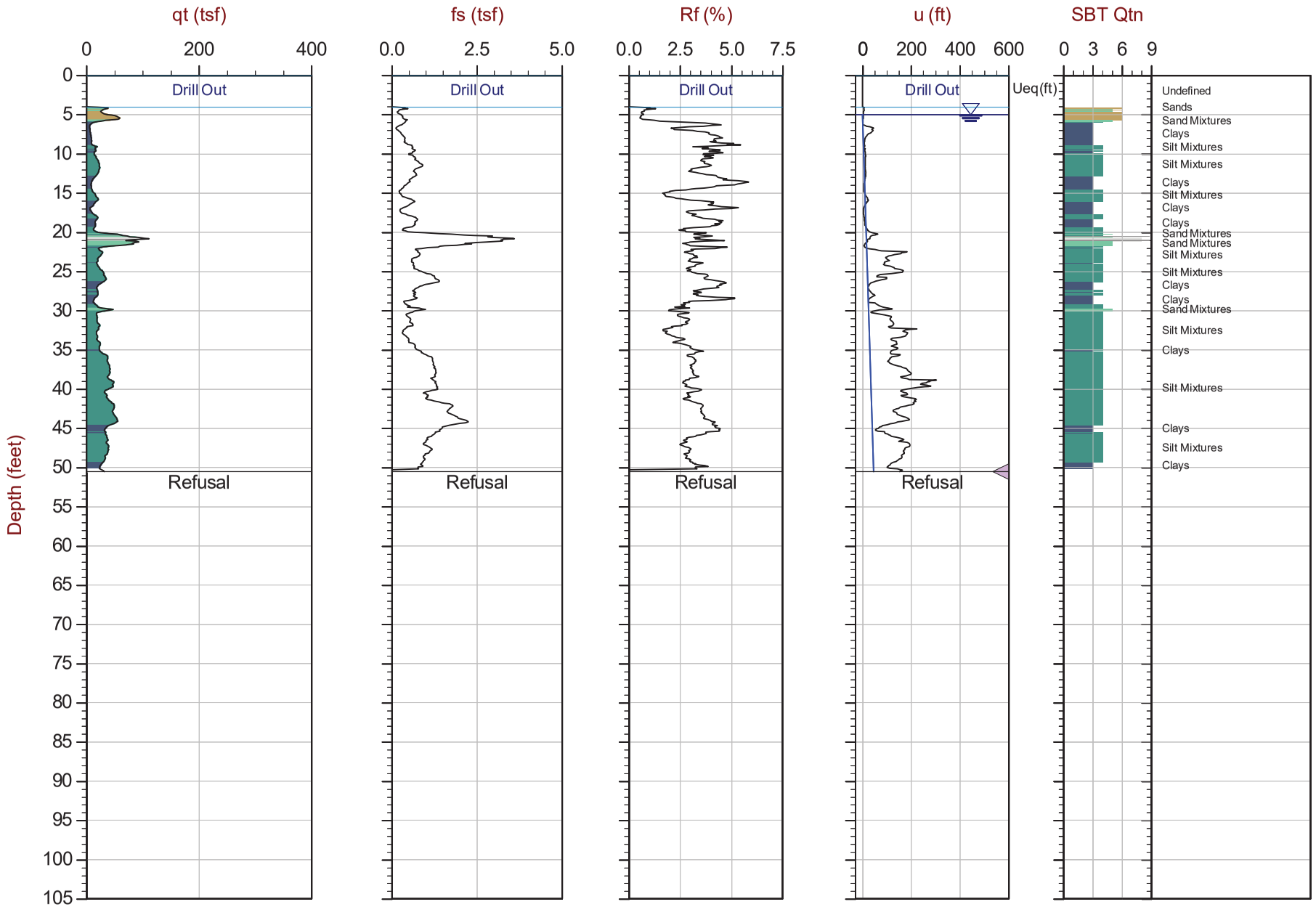
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-04 14:19
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-3
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP03.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178382m E: 571037m

Overplot Item: Ueq Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved Dissipation, Ueq assumed Hydrostatic Line

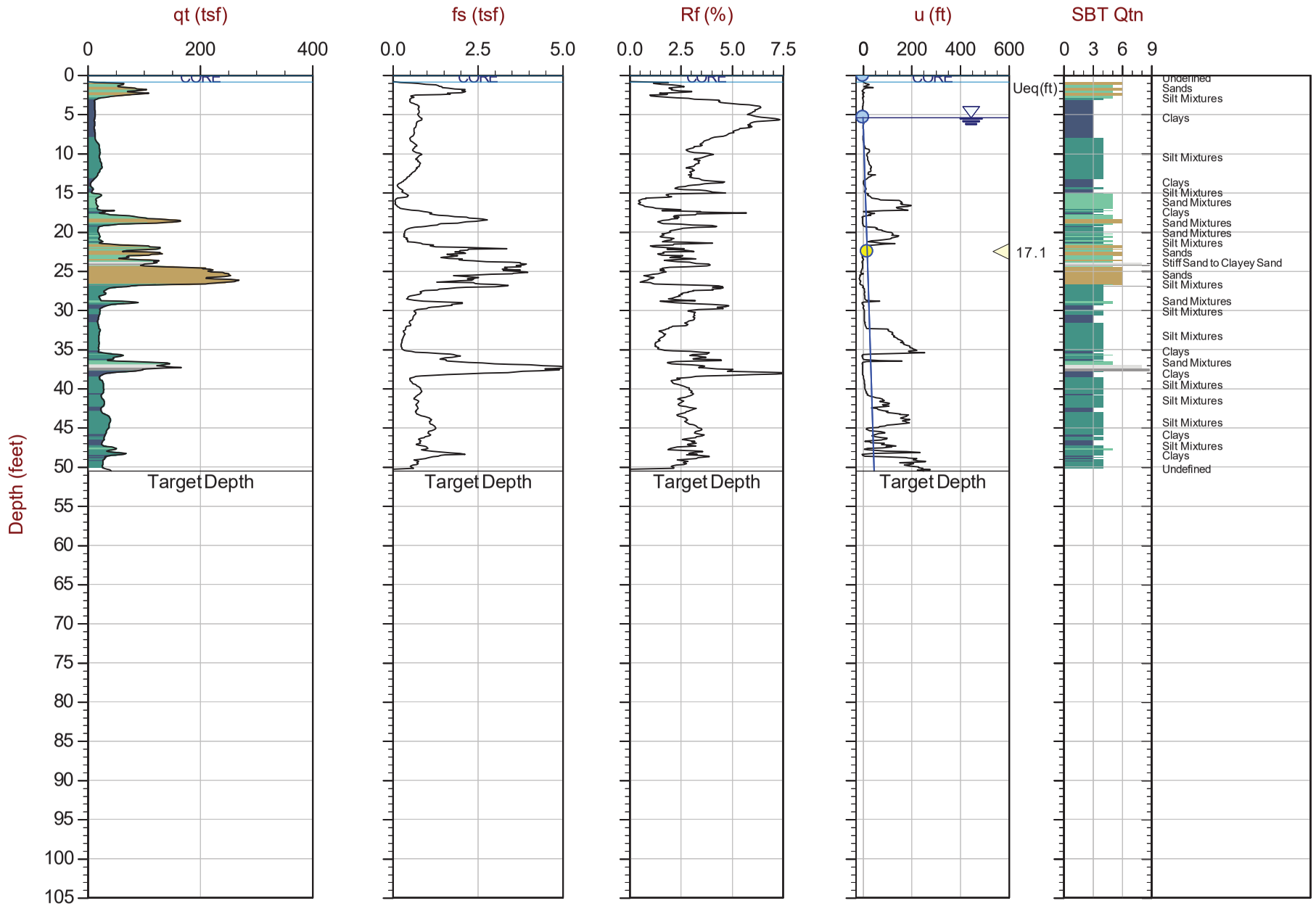
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-04 12:29
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-4
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP04.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178336m E: 571083m

Overplot Item: Ueq, Assumed Ueq, Dissipation, Ueq achieved, Dissipation, Ueq not achieved, Dissipation, Ueq assumed, Hydrostatic Line

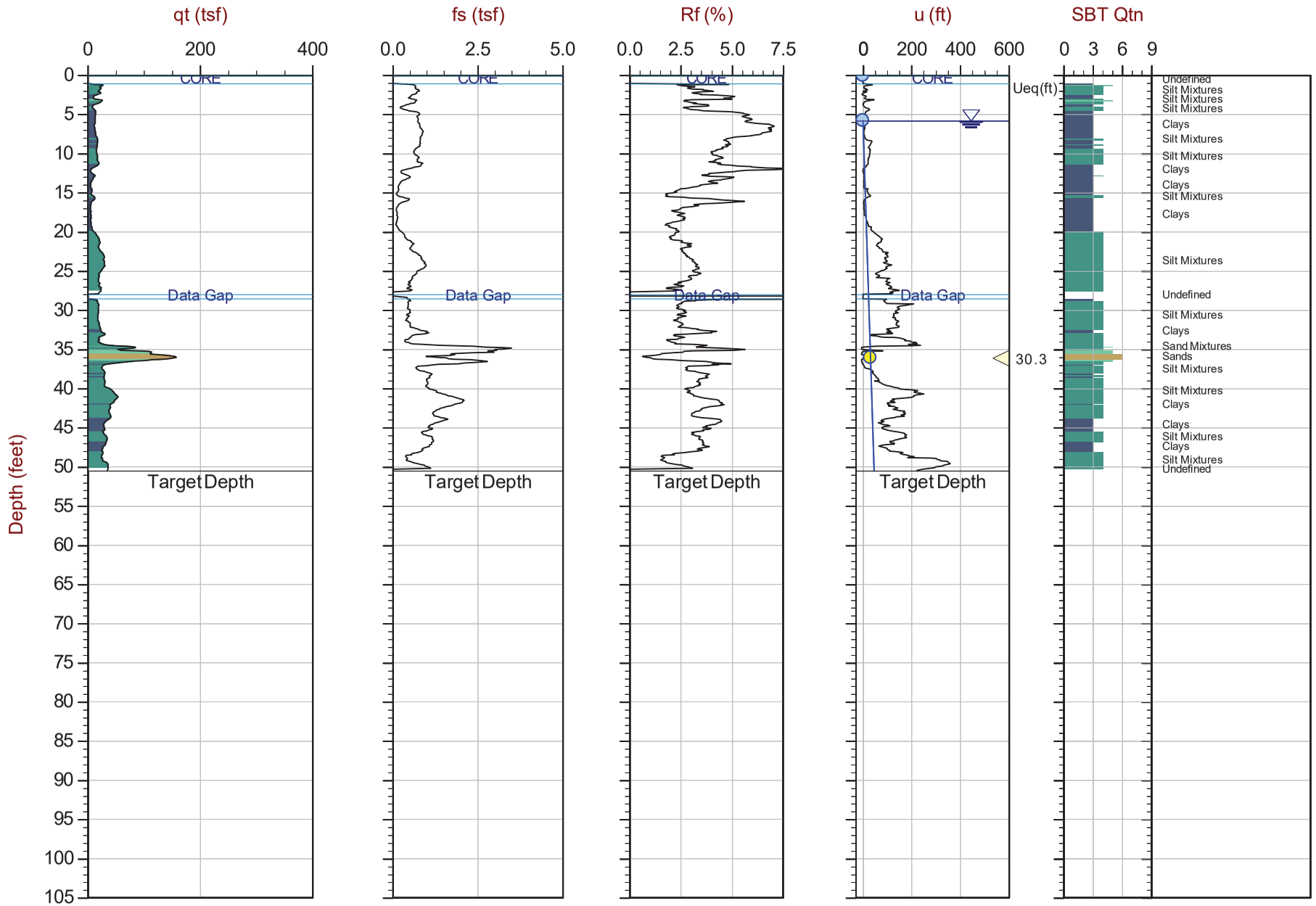
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-03 07:55
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-5
Cone: 965:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP05.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178469m E: 570890m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

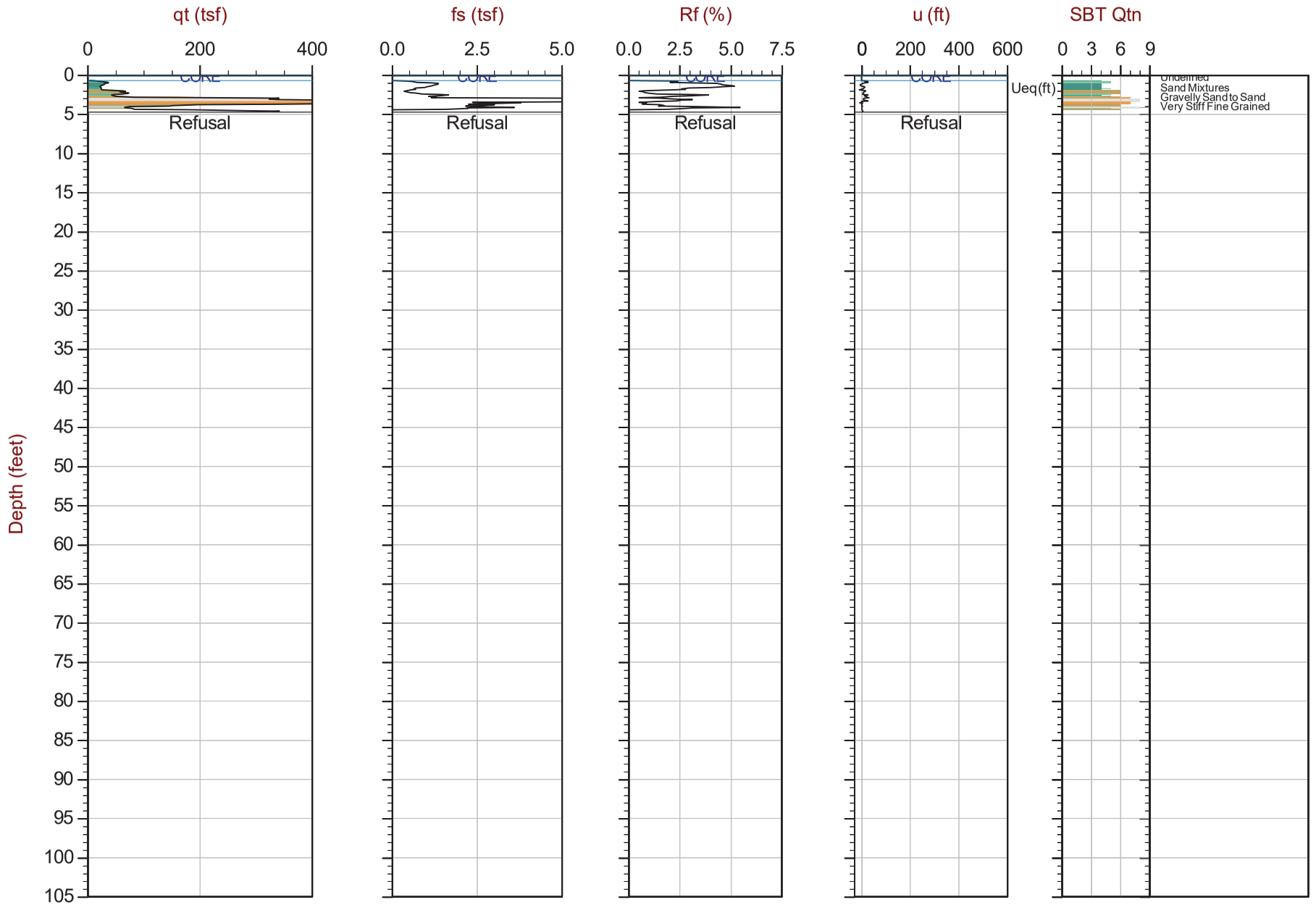
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-03 09:30
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-6
Cone: 965:T1500F15U35



Max Depth: 1.425 m / 4.68 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_SP06.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178388m E: 570957m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

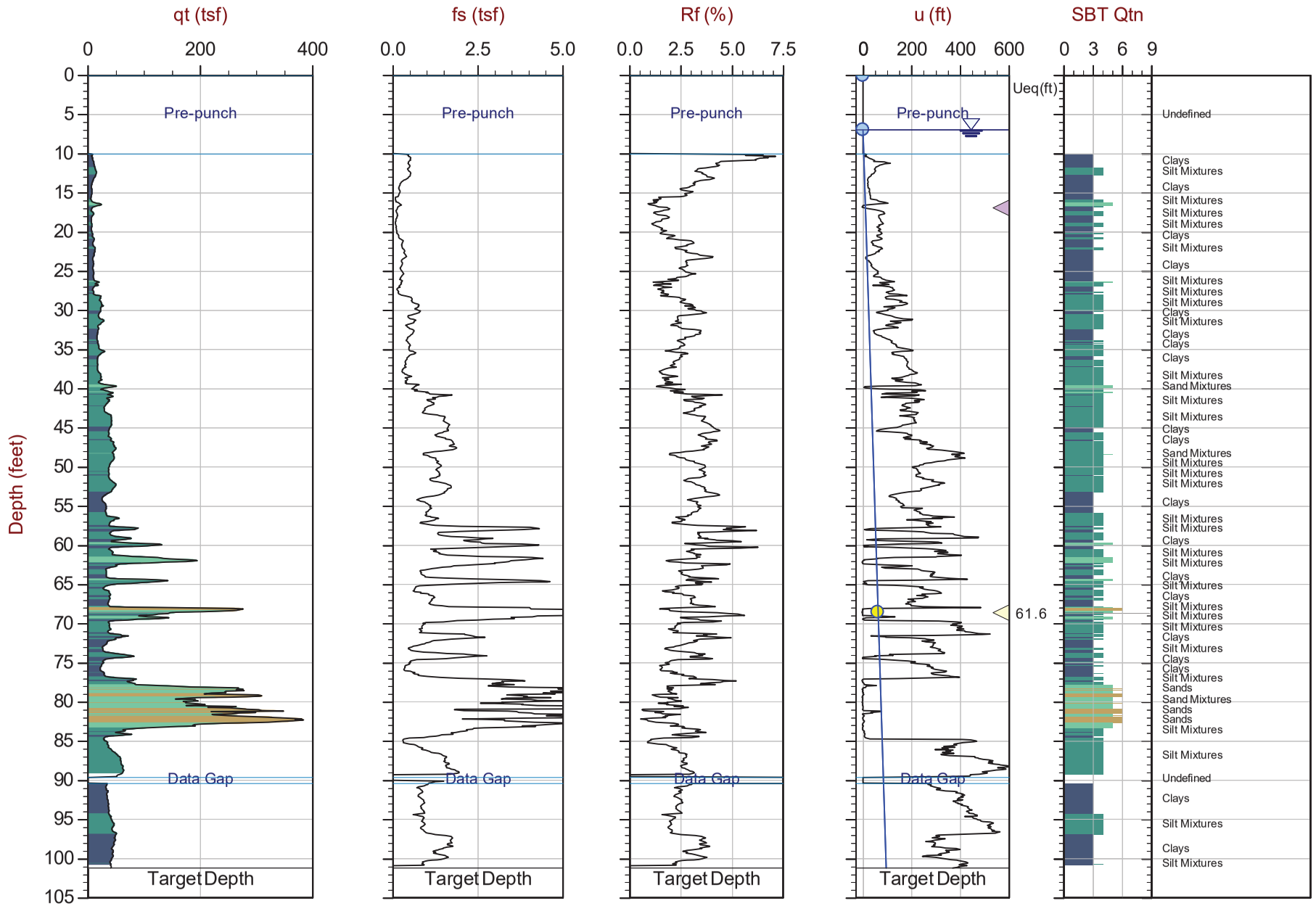
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-03 11:41
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-6A
Cone: 813:T1500F15U35



Max Depth: 30.850 m / 101.21 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_SP06A.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178389m E: 570958m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

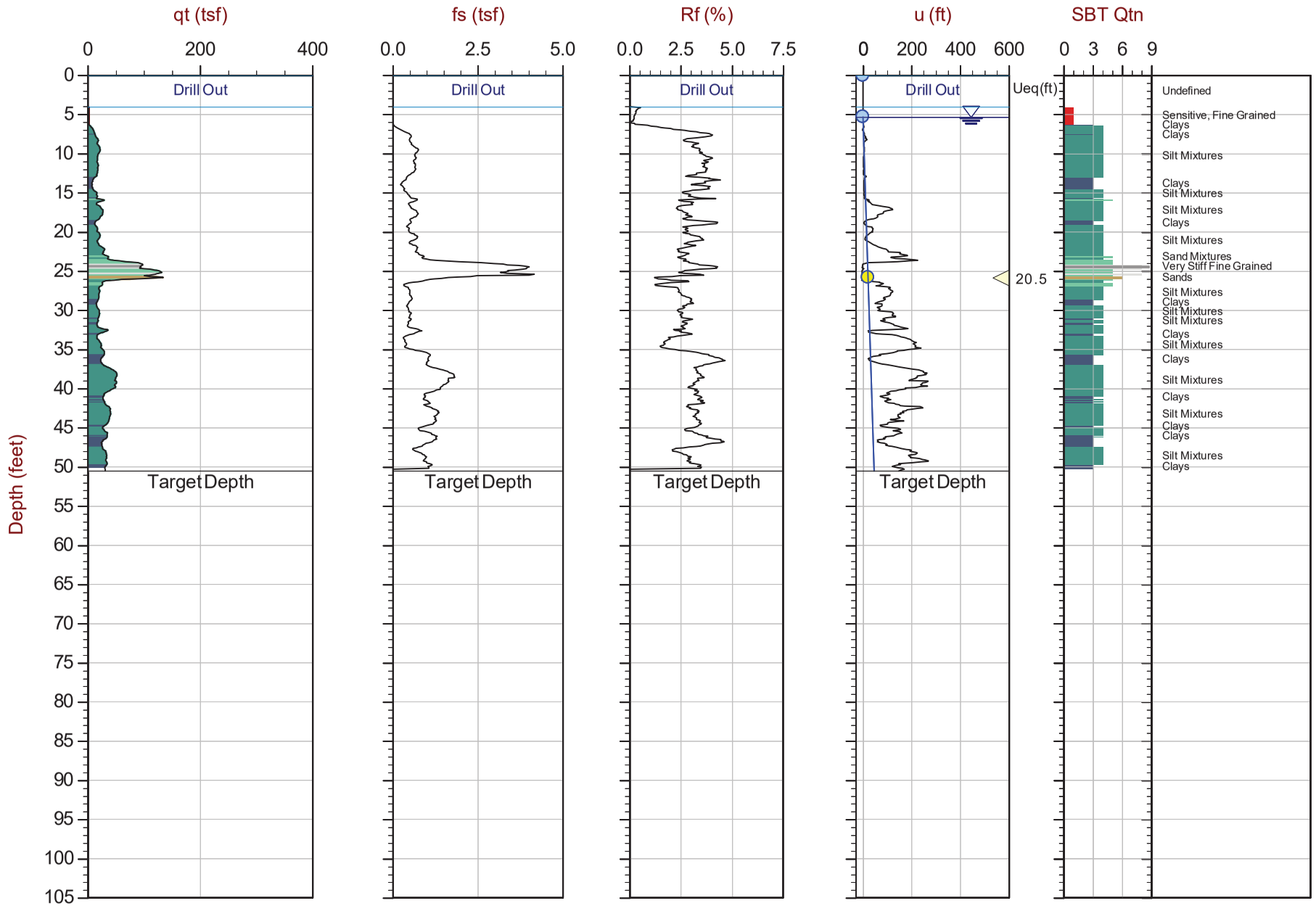
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-06 15:04
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-7
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP07.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178328m E: 571012m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

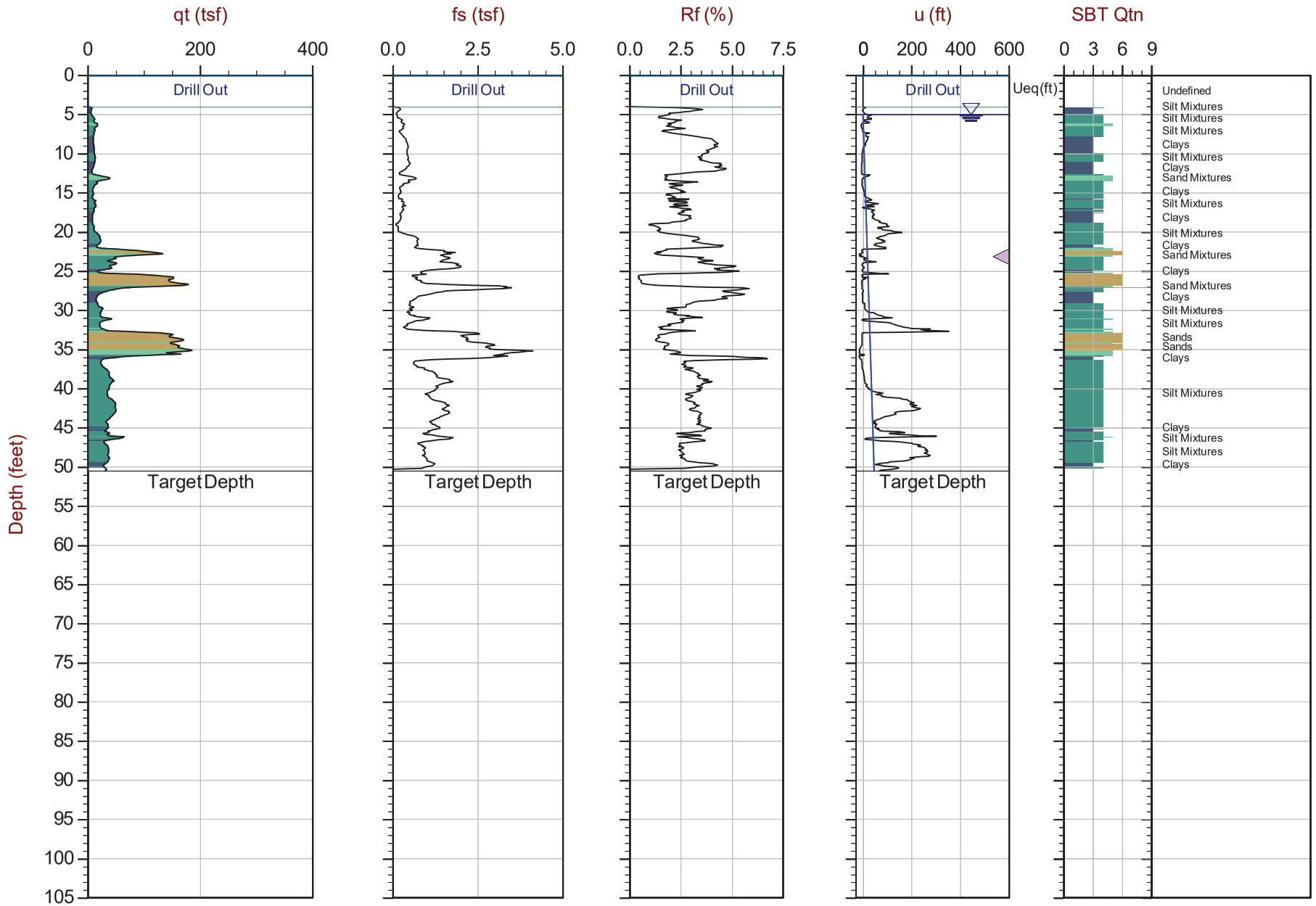
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-06 08:08
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-8
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP08.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178295m E: 571037m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

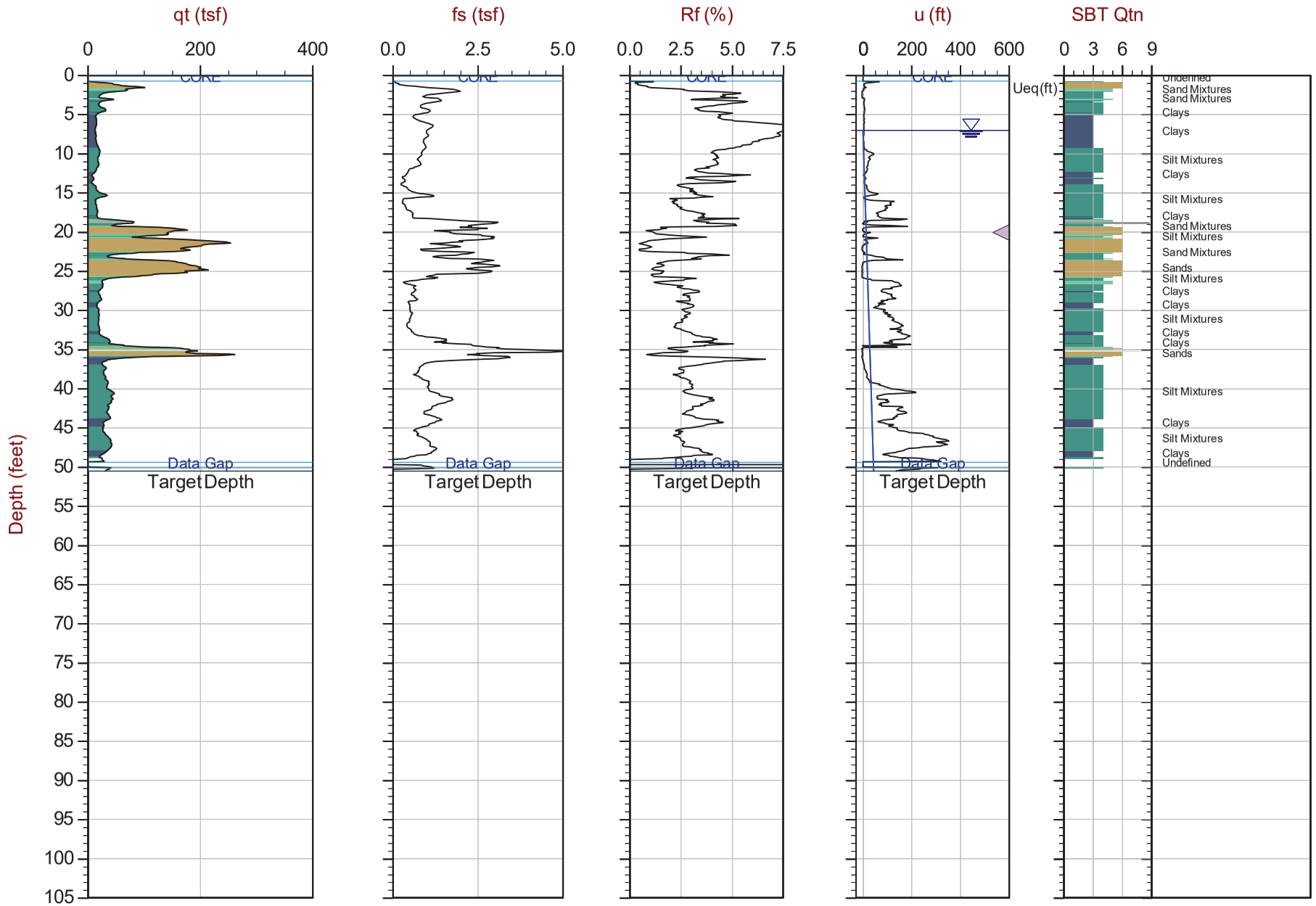
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-04 08:59
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-9
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP09.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178472m E: 570833m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

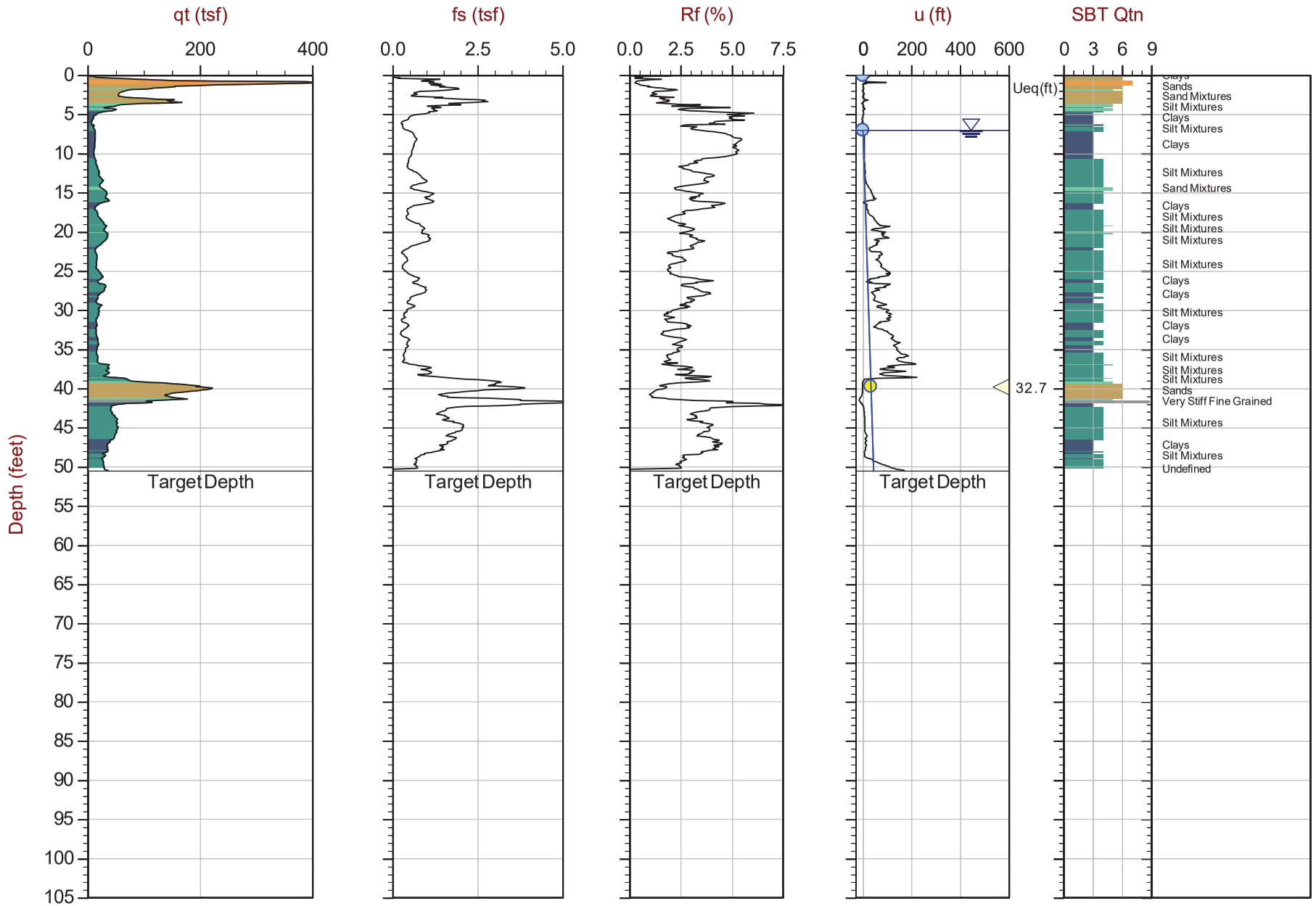
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-03 15:52
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-10
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP10.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178392m E: 570879m

Overplot Item: Ueq, Assumed Ueq, Dissipation, Ueq achieved, Dissipation, Ueq not achieved, Dissipation, Ueq assumed, Hydrostatic Line

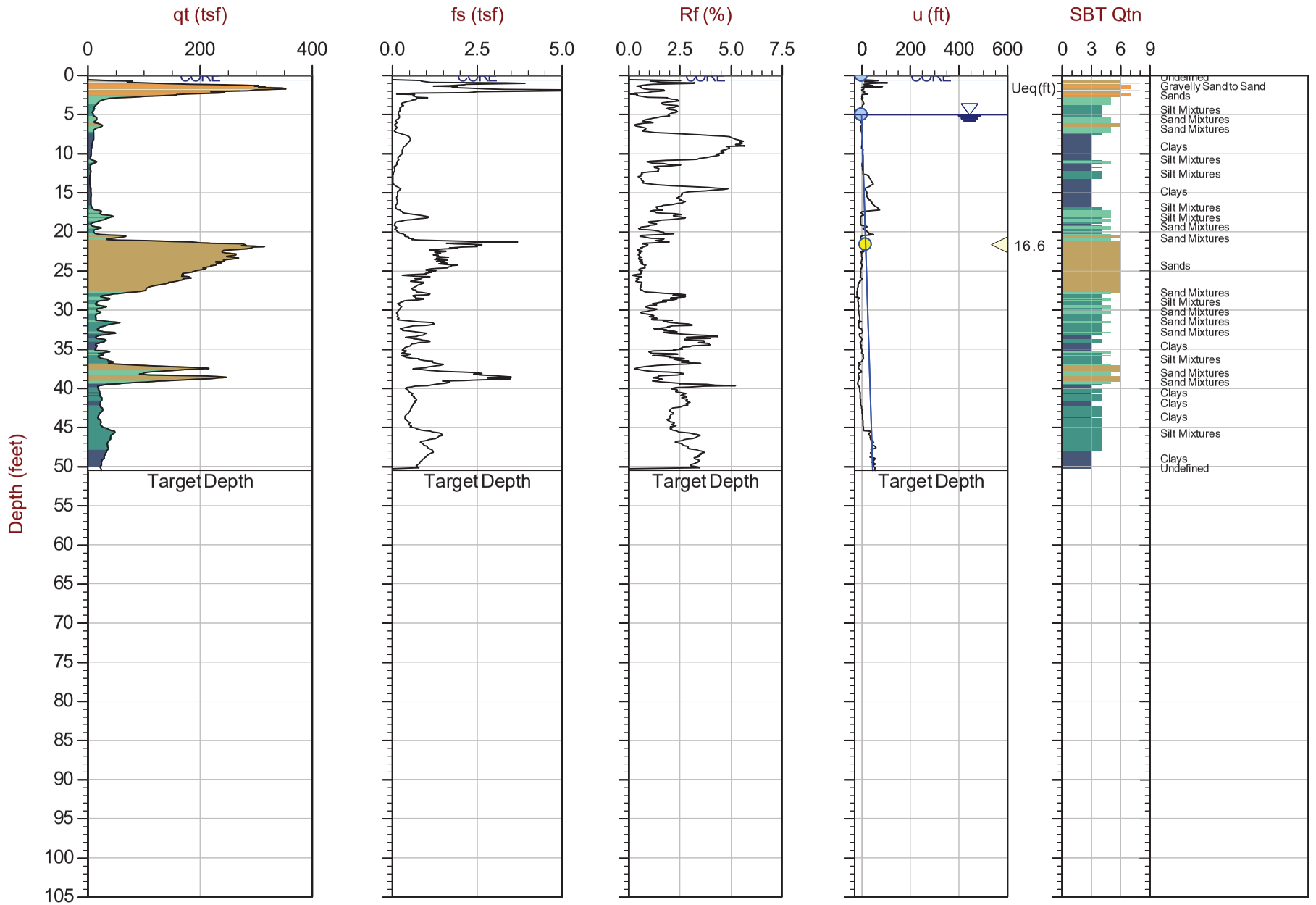
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

Langan Engineering

Job No: 24-56-27770
Date: 2024-06-06 10:04
Site: 7825 San Leandro Street (The Foundry)

Sounding: LC-11
Cone: 813:T1500F15U35



Max Depth: 15.400 m / 50.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 24-56-27770_CP11.COR
Unit Wt: SBTQtn (PKR2009)

SBT: Robertson, 2009 and 2010
Coords: (UTM Zone 10 North) N: 4178243m E: 571044m

Overplot Item: Ueq | Assumed Ueq | Dissipation, Ueq achieved | Dissipation, Ueq not achieved | Dissipation, Ueq assumed | Hydrostatic Line

The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

APPENDIX D

Permits

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/17/2024 By Eneyew

Permit Numbers: W2024-0330
Permits Valid from 05/20/2024 to 05/24/2024

Application Id:	1715042907687	**City of Project Site:**	Oakland
Site Location:	7825 San Leandro St, Oakland, CA 94621, USA-AB&I Redevelopment-ACDEH#:RO00035359(Water sampling BS_E1-1, 150 feet grid soil sampling G-A1-1, Bio Swale soil sampling G/BS-A2-1,Utility corridor G/UC-C1)		
Project Start Date:	05/20/2024	**Completion Date:**	05/24/2024
Agency Representative:	Contact Tony Xiong at (510) 213-9906 or tonyx@grzones.com		
Applicant:	Roux Associates - Joshua Osborne 555 12th Street, Oakland, CA 94607	**Phone:**	209-658-4326
Property Owner:	Gavin Fisco Pier 1, Bay 1, San Francisco, CA 94111	**Phone:**	--
Client:	** same as Property Owner **		

	Total Due:	$4950.00
Receipt Number: WR2024-0185	**Total Amount Paid:**	$4950.00
Payer Name : Joshua Osborne	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Soil and water only-Environmental/Monitorinig Study - 57 Boreholes
Driller: Cascade Environmental - Lic #: 1058336 - Method: DP **Work Total: $4950.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2024-0330	05/17/2024	08/18/2024	57	2.25 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. All borehole destruction work requires inspection by ACPWA; Except for special circumstances, all work that requires inspection must be performed during the work hours of 9:00 a.m. to 3:30 p.m., Monday through Friday, except holidays.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

8. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

9. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained. Provide copies of all approved permits obtained to County inspector prior to starting drilling.

10. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/17/2024 By Eneyew

Permit Numbers: W2024-0329
Permits Valid from 05/20/2024 to 05/24/2024

Application Id: 1715054596144 **City of Project Site:** Oakland
Site Location: 7825 San Leandro St, Oakland, CA 94621, USA-AB&I Redevelopment, ACDEH #: RO0003535
Project Start Date: 05/20/2024 **Completion Date:** 05/24/2024
Agency Representative: Contact Tony Xiong at (510) 213-9906 or tonyx@grzones.com

Applicant: Roux Associates - Joshua Osborne **Phone:** 209-658-4326
555 12th Street, Suite 250, Oakland, CA 94607
Property Owner: Gavin Fisco **Phone:** --
Pier 1, Bay 1, San Francisco, CA 94111
Client: ** same as Property Owner **

Total Due: $1210.00
Receipt Number: WR2024-0184 **Total Amount Paid:** $1210.00
Payer Name : Pianpian Wu Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 13 Wells
Driller: Cascade Environmental - Lic #: 1058336 - Method: DP **Work Total: $1210.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2024-0329	05/17/2024	08/18/2024	SVP-06	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-10	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-13	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-25	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-32	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-36	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-41	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-45	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-52	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-53	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-57	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-61	2.25 in.	0.25 in.	3.00 ft	8.00 ft
W2024-0329	05/17/2024	08/18/2024	SVP-62	2.25 in.	0.25 in.	3.00 ft	8.00 ft

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County

Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

3. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.

5. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

6. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

7. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

8. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

11. Vapor monitoring wells above water level constructed with tubing maybe be backfilled with pancake-batter consistency bentonite. Minimum surface seal thickness is two inches of cement grout around well box.

Vapor monitoring wells above water level constructed with pvc pipe shall have a minimum seal depth (Neat Cement Seal) of 2 feet below ground surface (BGS). Minimum surface seal thickness is two inches of cement grout around well box. All other conditions for monitoring well construction shall apply.

12. All borehole destruction work requires inspection by ACPWA; Except for special circumstances, all work that requires inspection must be performed during the work hours of 9:00 a.m. to 3:30 p.m., Monday through Friday, except holidays.

APPENDIX E

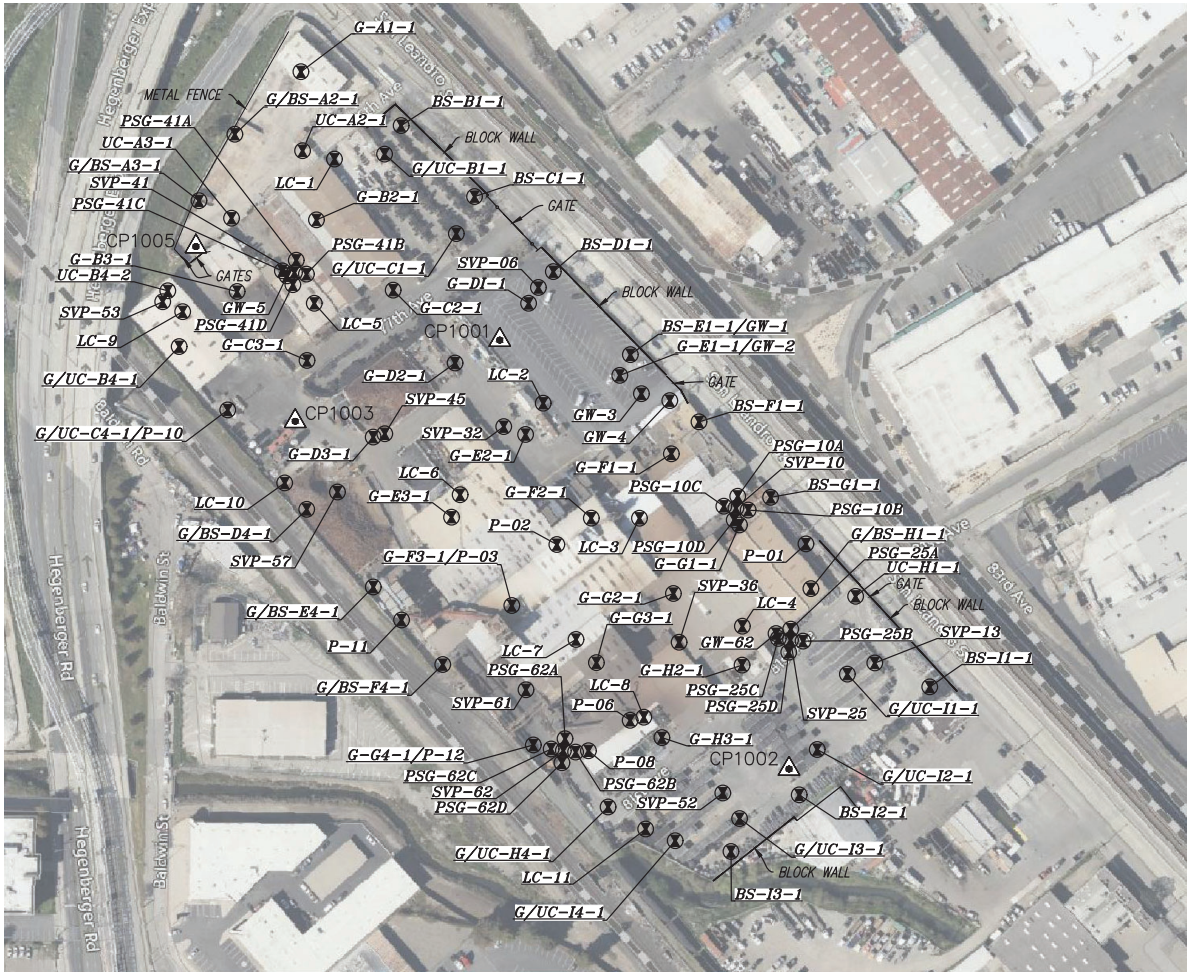
Site Plan with Sample Stake Locations

SITE PLAN

SAMPLE STAKING LOCATIONS

PROJECT: FORMER AB&I FOUNDRY SITE

(7825 SAN LEANDRO STREET, OAKLAND, CA 94621)



NOTE: THE SATELLITE IMAGE SHOWN HEREON IS FOR REFERENCE PURPOSES ONLY

CONTROL POINTS				
CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1001	2100229.70'	6071833.72'	14.12'	SET MAGNAIL & SHINER
CP1002	2099608.30'	6072252.80'	11.71'	SET MAGNAIL
CP1003	2100112.13'	6071537.32'	11.46'	SET MAGNAIL & SHINER
CP1005	2100365.20'	6071393.51'	11.74'	SET MAGNAIL

GRAPHIC SCALE

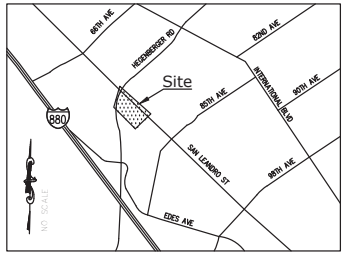
180 0 90 180

FEET

LEGEND

- SOIL BORING
- CONTROL POINT
- FS FINISH SURFACE
- WROUGHT IRON FENCE

VICINITY MAP



BASIS OF COORDINATES
THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, (2022) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SURVEYING & DRAFTING SUPPLY REAL TIME NETWORK (C.S.D.S. R.T.N.) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.): C.S.D.S. C.O.R.S. BR1J: NORTHING = 2145466.38' EASTING = 6053797.72' C.S.D.S. C.O.R.S. HM1J: NORTHING = 2011442.91' EASTING = 5988530.78' THE COMBINATION FACTOR FOR THIS PROJECT WAS APPLIED AT THE FOLLOWING POINT: NORTHING = 2099983.38' EASTING = 6071874.61' MAPPING ANGLE = -1°02'14" SCALE FACTOR = 1.00006633

BENCHMARK
THE ELEVATIONS SHOWN HEREON ARE BASED UPON NGS POINT PID "HT0281"; ELEVATION 14.20 FEET (NAVD 88) (USGS QUAD 2018). DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1969 – 0.6 MI NW FROM OAKLAND. 0.6 MILE NORTHWEST ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE CROSSING OF 98TH AVENUE AT OAKLAND, 0.1 MILE SOUTHEAST OF THE CROSSING OF 85TH AVENUE, IN THE TOP AND 1.1 FEET NORTHWEST OF THE SOUTHEAST EN D OF THE SOUTHWEST CONCRETE HEAD WALL OF A 36-INCH PIPE CULVERT, 46.6 FEET SOUTHWEST OF THE SOUTHWEST RAIL, 24 1/2 FEET NORTHEAST OF THE CENTER LINE OF RAILROAD AVENUE. ABOUT 1 FOOT LOWER THAN THE RAILROAD TRACK AND 2 1/2 FEET HIGHER THAN THE AVENUE.

REVISIONS			
NO.	DATE	REVISIONS	BY
0	05/23/24	STAKING	BO

PREPARED FOR

ROUX

555 12TH STREET, SUITE 250
OAKLAND, CA 94607
PHONE: (415) 967-6000

SURVEYOR OF RECORD

DATE OF SURVEY: MAY 16, 2024

LICENSED LAND SURVEYOR — Armando D. DuPont — L.S. 7780 — Date Signed: 05/23/2024 — STATE OF CALIFORNIA

CALVADA SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com
EST. 1989

JOB NO. 23533-1

Armando D.DuPont
Registration No. 7780

SITE PLAN

SAMPLE STAKING LOCATIONS

PROJECT: FORMER AB&I FOUNDRY SITE

(7825 SAN LEANDRO STREET, OAKLAND, CA 94621)

SURVEYED MAY 16, 2024

SAMPLE STAKING LOCATIONS

LOCATION	NORTHING (FEET)	EASTING (FEET)	LATITUDE (DD)	LONGITUDE (DD)	FS (ELEVATION)
BS-B1-1	2100540.46	6071690.82	37.7515094	-122.1948492	13.66
BS-C1-1	2100437.63	6071797.25	37.7512324	-122.1944747	12.61
BS-D1-1	2100328.87	6071911.38	37.7509394	-122.1940732	13.65
BS-E1-1/GW-1	2100208.51	6072023.04	37.7506145	-122.1936795	13.14
BS-F1-1	2100111.20	6072122.44	37.7503522	-122.1933297	14.04
BS-G1-1	2100001.90	6072226.27	37.7500572	-122.1929638	12.80
BS-I1-1	2099727.29	6072456.76	37.7493146	-122.1921495	13.37
BS-I2-1	2099570.80	6072267.62	37.7488755	-122.1927938	11.77
BS-I3-1	2099488.71	6072168.73	37.7486452	-122.1931307	11.77
G/BS-A2-1	2100527.85	6071449.93	37.7514629	-122.1956815	12.63
G/BS-A3-1	2100431.59	6071397.95	37.7511959	-122.1958552	12.53
G/BS-D4-1	2099984.42	6071554.10	37.7499758	-122.1952872	13.57
G/BS-E4-1	2099871.93	6071650.54	37.7496717	-122.1949467	12.36
G/BS-F4-1	2099759.71	6071751.11	37.7493686	-122.1945918	10.81
G/BS-H1-1	2099869.54	6072284.51	37.7496967	-122.1927541	12.09
G/UC-B1-1	2100499.04	6071666.86	37.7513945	-122.1949295	12.39
G/UC-B4-1	2100220.22	6071369.32	37.7506141	-122.1959410	12.36
G/UC-C1-1	2100383.87	6071770.83	37.7510835	-122.1945627	12.39
G/UC-C4-1/P-10	2100128.44	6071439.60	37.7503656	-122.1956922	11.07
G/UC-H4-1	2099553.25	6071990.79	37.7488136	-122.1937500	10.85
G/UC-I1-1	2099745.65	6072337.29	37.7493591	-122.1925638	12.15
G/UC-I2-1	2099636.54	6072293.64	37.7490573	-122.1927079	11.42
G/UC-I3-1	2099536.44	6072181.18	37.7487769	-122.1930906	11.77
G/UC-I4-1	2099504.34	6072087.88	37.7486841	-122.1934112	11.53
G-A1-1	2100618.44	6071545.68	37.7517163	-122.1953561	12.95
G-B2-1	2100403.79	6071568.25	37.7511281	-122.1952645	12.12
G-B3-1	2100300.03	6071453.27	37.7508374	-122.1956557	12.44
G-C2-1	2100301.98	6071679.37	37.7508541	-122.1948739	11.77
G-C3-1	2100200.19	6071554.52	37.7505683	-122.1952993	11.22
G-D2-1	2100196.44	6071769.05	37.7505687	-122.1945571	13.35
G-D3-1	2100089.14	6071650.43	37.7502682	-122.1949606	13.14
G-DI-1	2100282.90	6071875.55	37.7508114	-122.1941942	14.09
G-E1-1/GW-2	2100178.60	6072007.63	37.7505316	-122.1937309	13.89
G-E2-1	2100092.92	6071871.12	37.7502895	-122.1941977	14.01
G-E3-1	2099973.13	6071763.87	37.7499552	-122.1945610	13.61
G-F1-1	2100064.94	6072082.41	37.7502232	-122.1934652	11.04
G-F2-1	2099971.72	6071966.35	37.7499614	-122.1938608	11.03
G-F3-1/P-03	2099845.10	6071851.22	37.7496080	-122.1942510	11.36
G-G1-1	2099961.83	6072181.12	37.7499450	-122.1931174	11.31
G-G2-1	2099862.51	6072085.40	37.7496675	-122.1934422	11.40
G-G3-1	2099762.38	6071973.81	37.7493870	-122.1938219	10.54
G-G4-1/P-12	2099643.09	6071882.45	37.7490549	-122.1941303	10.87
G-H2-1	2099758.70	6072184.85	37.7493874	-122.1930918	11.73
G-H3-1	2099653.75	6072068.66	37.7490934	-122.1934870	10.85
GW-3	2100152.01	6072038.96	37.7504601	-122.1936210	14.13
GW-4	2100141.97	6072080.11	37.7504346	-122.1934780	13.92
GW-5	2100322.73	6071525.45	37.7509034	-122.1954075	11.66
GW-62	2099804.51	6072233.94	37.7495156	-122.1929249	11.88
LC-1	2100491.82	6071594.33	37.7513711	-122.1951799	12.93
LC-2	2100138.23	6071896.74	37.7504152	-122.1941119	14.64
LC-3	2099971.56	6072036.13	37.7499645	-122.1936194	11.19
LC-4	2099815.19	6072185.30	37.7495425	-122.1930938	11.90
LC-5	2100282.99	6071565.07	37.7507962	-122.1952680	11.36
LC-6	2100005.70	6071776.40	37.7500453	-122.1945198	14.12
LC-7	2099795.90	6071944.23	37.7494776	-122.1939262	11.15
LC-8	2099683.32	6072042.50	37.7491733	-122.1935794	9.81
LC-9	2100270.79	6071374.42	37.7507532	-122.1959265	12.40
LC-10	2100022.72	6071522.19	37.7500794	-122.1953999	13.30
LC-11	2099521.34	6072045.12	37.7487287	-122.1935602	11.45
P-01	2099934.31	6072277.36	37.7498742	-122.1927829	13.27
P-02	2099933.49	6071916.53	37.7498540	-122.1940306	11.29
P-06	2099678.83	6072022.74	37.7491600	-122.1936474	9.91
P-08	2099634.69	6071962.17	37.7490358	-122.1938541	10.25
P-11	2099824.12	6071691.41	37.7495425	-122.1948023	11.31
PSG-10A	2100003.41	6072178.54	37.7500590	-122.1931289	11.38
PSG-10B	2099983.45	6072193.71	37.7500050	-122.1930752	11.42
PSG-10C	2099988.99	6072158.43	37.7500184	-122.1931976	11.25
PSG-10D	2099969.00	6072173.41	37.7499643	-122.1931445	11.28
PSG-25A	2099810.96	6072255.37	37.7495344	-122.1928512	11.74
PSG-25B	2099793.48	6072273.13	37.7494873	-122.1927887	11.97
PSG-25C	2099797.43	6072237.25	37.7494963	-122.1929130	11.92
PSG-25D	2099777.48	6072252.40	37.7494423	-122.1928594	11.89
PSG-41A	2100345.36	6071538.88	37.7509662	-122.1953625	11.38
PSG-41B	2100325.18	6071553.70	37.7509115	-122.1953099	11.55
PSG-41C	2100329.90	6071518.79	37.7509227	-122.1954310	11.41
PSG-41D	2100310.01	6071534.00	37.7508689	-122.1953771	11.40
PSG-62A	2099652.06	6071928.39	37.7490818	-122.1939720	10.84
PSG-62B	2099632.76	6071943.66	37.7490296	-122.1939180	10.94
PSG-62C	2099637.27	6071908.20	37.7490402	-122.1940409	10.73
PSG-62D	2099617.36	6071923.87	37.7489863	-122.1939855	10.79
SVP-06	2100305.93	6071889.72	37.7508753	-122.1941467	13.88
SVP-10	2099986.23	6072175.99	37.7500117	-122.1931367	11.34
SVP-13	2099761.85	6072377.04	37.7494056	-122.1924274	12.60
SVP-25	2099795.15	6072254.93	37.7494909	-122.1928517	11.51
SVP-32	2100104.31	6071839.57	37.7503192	-122.1943075	14.08
SVP-36	2099791.95	6072093.60	37.7494741	-122.1934094	11.42
SVP-41	2100327.62	6071536.37	37.7509173	-122.1953700	11.59
SVP-45	2100094.01	6071667.23	37.7502824	-122.1949028	13.31
SVP-52	2099573.46	6072156.93	37.7488773	-122.1931768	11.71
SVP-53	2100285.25	6071345.42	37.7507915	-122.1960277	12.46
SVP-57	2100009.59	6071598.57	37.7500471	-122.1951350	14.10
SVP-61	2099723.12	6071871.74	37.7492741	-122.1941724	10.87
SVP-62	2099634.82	6071925.85	37.7490344	-122.1939797	10.63
UC-A2-1	2100503.99	6071548.11	37.7514022	-122.1953405	12.43
UC-A3-1	2100406.25	6071445.19	37.7511287	-122.1956903	12.16
UC-B4-2	2100301.12	6071352.87	37.7508354	-122.1960030	12.41
UC-H1-1	2099858.44	6072349.27	37.7496694	-122.1925294	12.74

DD: DECIMAL DEGREES
NOTE: LOCATIONS STAKED PER CLIENT PROVIDED DATA

BASIS OF COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, (2022) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801–8819; SAID COORDINATES ARE DETERMINED LOCALLY UPON FIELD–OBSERVED TIES TO THE FOLLOWING CALIFORNIA SURVEYING & DRAFTING SUPPLY REAL TIME NETWORK (C.S.D.S. R.T.N.) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.):

C.S.D.S. C.O.R.S. BR1J:
NORTHING = 2145466.38' EASTING = 6053797.72'

C.S.D.S. C.O.R.S. HM1J:
NORTHING = 2011442.91' EASTING = 5988530.78'

THE COMBINATION FACTOR FOR THIS PROJECT WAS APPLIED AT THE FOLLOWING POINT:
NORTHING = 2099983.38' EASTING = 6071874.61'

MAPPING ANGLE = –1°02'14" SCALE FACTOR = 1.00006633

BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON NGS POINT PID "HT0281"; ELEVATION 14.20 FEET (NAVD 88) (USGS QUAD 2018).

DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1969 – 0.6 MI NW FROM OAKLAND. 0.6 MILE NORTHWEST ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE CROSSING OF 98TH AVENUE AT OAKLAND, 0.1 MILE SOUTHEAST OF THE CROSSING OF 85TH AVENUE, IN THE TOP AND 1.1 FEET NORTHWEST OF THE SOUTHEAST EN D OF THE SOUTHWEST CONCRETE HEAD WALL OF A 36–INCH PIPE CULVERT, 46.6 FEET SOUTHWEST OF THE SOUTHWEST RAIL, 24 1/2 FEET NORTHEAST OF THE CENTER LINE OF RAILROAD AVENUE. ABOUT 1 FOOT LOWER THAN THE RAILROAD TRACK AND 2 1/2 FEET HIGHER THAN THE AVENUE

REVISIONS			
NO.	DATE	REVISIONS	BY
0	05/23/24	STAKING	BO

PREPARED FOR
ROUX
555 12TH STREET, SUITE 250
OAKLAND, CA 94607
PHONE: (415) 967–6000

SURVEYOR OF RECORD
DATE OF SURVEY: MAY 16, 2024

LICENSED LAND SURVEYOR — Armando D. DuPont — L.S. 7780 — Date Signed: 05/23/2024 — STATE OF CALIFORNIA

CALVADA SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com
EST. 1989

JOB NO. 23533-1

Armando D.DuPont
Registration No. 7780

SHEET 2 OF 2

APPENDIX F

Boring Logs

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
BS-B1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		GRAVELY SAND, little CLAY, few SILT (SW) Orange brown, medium dense, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (25, 45, 10, 20)	BS-B1-1-1.0	2.9	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			BS-B1-1-2.0	2.8	
			BS-B1-1-3.0	5.7	
		At 3.0 ft bgs - lense of fine black sand and subangular gravel			
		SANDY CLAY, little GRAVEL, few SILT (CL) Dark brown with orange brown mottling, soft, dry, fine to coarse grained, subangular sand and gravel, well graded, low to medium plasticity (15, 35, 10, 40)	BS-B1-1-4.0	4.7	
5			BS-B1-1-5.0	7.7	Boring terminated at 5 ft bgs

NOTES:

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-C1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		GRAVELY SAND, little CLAY, TRACE SILT (SW) Brown, loose, dry, fine to coarse grained, subangular, low plasticity (25, 50, 5, 30)	BS-C1-1-1.0	9.8	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		CLAYEY SAND, few GRAVEL and SILT (SC) Brown, soft, fine to medium grained, well graded, low plasticity (10, 60, 10, 20)	BS-C1-1-2.0	5.5	
			BS-C1-1-3.0	7.1	
		SANDY CLAY, few SILT (CL) Dark brown/gray, soft, dry, fine to medium grained, well graded, medium plasticity (0, 35, 10, 55)	BS-C1-1-4.0	5.1	
5			BS-C1-1-5.0	2.3	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-D1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT at 2 inches bgs - large gravel			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SANDY CLAY, little GRAVEL, trace SILT (CL) Brown, dense, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (25, 30, 5, 40) at 0.7 ft bgs - color changes to orange brown	BS-D1-1-1.0	4.4	
			BS-D1-1-2.0	5.3	
			BS-D1-1-3.0	6.5	
		at 3.5 ft bgs - increase in gravel, fine to coarse grained	BS-D1-1-4.0	4.8	
5		**SAND, little GRAVEL and CLAY, few SILT (SW)** Brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (25, 50, 10, 15)	BS-D1-1-5.0	6.1	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
BS-E1-1/GW-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/22/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		SAND, little CLAY, few SILT (SW-SC) Light brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, little to no plasticity (5, 60, 10, 25)	BS-E1-1/GW-1-1.0	6.3	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			BS-E1-1/GW-1-2.0	8.3	
			BS-E1-1/GW-1-3.0	10.8	
			BS-E1-1/GW-1-4.0	7.7	
5			BS-E1-1/GW-1-5.0		5
		at 5-6 ft bgs - sandy gravel, wet		5.9	First encountered static water level: 8.38 ft bgs Second water baring zone not encountered.
		SANDY CLAY, few GRAVEL (CL) Black, stiff, moist, fine to coarse grained, subangular sand and gravel, well graded, medium plasticity (10, 30, 0, 60)			
		SAND, little CLAY, few GRAVEL, trace SILT (SW-SC) Light brown, dense, moist, fine to coarse sand, subangular sand and gravel, well graded, low to no plasticity (10, 65, 5, 20)		8.1	
10				9.2	10
		GRAVELY SAND, little SILT, few CLAY (SW-SM) Orange brown, loose, saturated, fine to coarse grained, subangular sand and gravel, well graded, no plasticity (30, 40, 20, 10)	BS-E1-1/GW-1-13.5	12.8	
15					15
		SANDY CLAY, trace SILT (CH) Orange brown, soft, wet, fine to medium grained subangular sand, well graded, medium plasticity (0, 30, 5, 65)		8.1	
		at 17 ft bgs - 15% gravel (15, 30, 5, 50)		12.4	
		at 19 ft bgs - stiff, moist, increase in plasticity, high stiff plasticity, decrease in gravel			
20				19.7	20
25					25

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-E1-1/GW-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.A.**	**OAKLAND, CALIFORNIA**

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
		SANDY CLAY, trace SILT (CH) Orange brown, soft, wet, fine to medium grained subangular sand, well graded, medium plasticity (0, 30, 5, 65) *(continued)* at 25 ft bgs - color changes to orange brown with green/gray mottling			
		at 29 ft bgs - increase in moisture, slight increase in fine sand			
30					Boring terminated at 30 ft bgs 30

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-F1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SANDY CLAY, few SILT, trace GRAVEL (CL) Light brown, soft, dry, fine to medium grained, subangular sand and gravel, well graded, low to medium plasticity (5, 30, 10, 55)	BS-F1-1-1.0	3.6	
		SAND, few GRAVEL, SILT and CLAY (SW) Black, loose, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (10, 70, 10, 10)	BS-F1-1-2.0	6.6	
		SANDY CLAY, little GRAVEL, few SILT (CH) Dark brown, soft, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (5, 30, 10, 55)	BS-F1-1-3.0	3.4	
			BS-F1-1-4.0	0.5	
5			BS-F1-1-5.0	1.2	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
BS-G1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **J.A.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		SAND (SW) Orange red, loose, dry, fine to coarse grained, subangular sand and gravel, well graded	BS-G1-1-1.0	8.6	bgs = below ground surface.
		Layer of large pieces of black porous volcanic rock, with gold colored specs in pores/copper stainings, pieces of black glass spread throughout	BS-G1-1-2.0	7.6	Density estimates not intended for geotechnical purposes.
			BS-G1-1-3.0	12.5	ft bgs = feet below ground surface.
			BS-G1-1-4.0	8.4	
5		**SANDY CLAY, few SILT (CH)** Black, soft, dry, fine to medium grained, subangular sand, well graded, medium plasticity (0, 30, 10, 60)	BS-G1-1-5.0	10.4	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-I1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		GRAVELY SAND, few SILT, trace CLAY (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 60, 10, 5)	BS-I1-1-1.0	5.5	bgs = below ground surface.
			BS-I1-1-2.0	9.2	Density estimates not intended for geotechnical purposes.
		SANDY CLAY, few SILT (CL) Dark brown, soft, dry, fine grained, low plasticity, no odor (0, 30, 10, 60)	BS-I1-1-3.0	3.8	ft bgs = feet below ground surface.
		CLAY, little SILT (CH) Dark brown/black, medium stiff to stiff, dry, medium plasticity, no odor (0, 0, 20, 80)	BS-I1-1-4.0	3.0	
5			BS-I1-1-5.0	4.5	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
BS-I2-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**D.B**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few SILT, trace CLAY (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 60, 10, 5)	BS-I2-1-1.0	1.4	
		SANDY CLAY, few SILT (CL) Brown, soft, dry, low plasticity, no odor (0, 25, 10, 65)	BS-I2-1-2.0	16.5	
		CLAY, little SILT (CH) Dark black, medium stiff, dry, medium plasticity, slight odor (0, 0, 15, 85)	BS-I2-1-3.0	1.2	
			BS-I2-1-4.0	1.1	
5			BS-I2-1-5.0	1.2	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
BS-I3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, little GRAVEL, few SILT (SW-SC) Brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic (20, 40, 10, 20)	BS-I3-1-1.0	0.6	
		SANDY CLAY, few SILT, trace GRAVEL (CL) Brown, soft, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (5, 35, 10, 50)	BS-I3-1-2.0	0.6	
		SAND, little GRAVEL, few SILT (SW-SC) Brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic (20, 40, 10, 20)	BS-I3-1-3.0	0.7	
		SANDY CLAY, few SILT (CL) Brown, stiff, moist, fine to medium grained, subangular sand and gravel, well graded, low plasticity (0, 30, 10, 60) at 4 ft bgs - becomes soft at 4.5 ft bgs - color changes to dark brown	BS-I3-1-4.0	0.6	
5			BS-I3-1-5.0	0.4	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/BS-A2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **J.A.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		CLAYEY SAND, little GRAVEL, few SILT (SC) Brown, medium dense, dry, fine to coarse subangular sand and gravel, well graded, low plasticity (15, 45, 10, 30)	G/BS-A2-1-1.0	2.1	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			G/BS-A2-1-2.0	1.3	
		SANDY CLAY, little SILT, few GRAVEL (CL) Dark brown, medium stiff, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (10, 25, 10, 55)	G/BS-A2-1-3.0	1.2	
			G/BS-A2-1-4.0	1.4	
5		at 4.2 ft bgs - color change to orange brown, soft at 4.7 ft bgs - color change to dark brown with orange mottling	G/BS-A2-1-5.0	1.4	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/BS-A3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		GRAVELY SAND, little CLAY, trace SILT (SW) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (30, 40, 05, 25)	G/BS-A3-1-1.0	4.3	bgs = below ground surface.
		at 0.7 ft bgs - color change to brown	G/BS-A3-1-2.0	4.1	Density estimates not intended for geotechnical purposes.
		SANDY CLAY, few GRAVEL and SILT (CL) Dark brown/gray, soft, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (10, 30, 10, 50)	G/BS-A3-1-3.0	3.1	ft bgs = feet below ground surface.
		at 3.5 ft bgs - becomes very soft	G/BS-A3-1-4.0	3.6	
5		at 4.5 ft bgs - color change to dark gray with green mottling			Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/BS-D4-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		SAND, little GRAVEL and SILT (SW-SM) Brown, loose, dry, fine to medium grained, subangular sand and gravel, well graded (20, 60, 20, 0) at 1 ft bgs - brick fragments, color is orange and red	G/BS-D4-1-1.0	2.3	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		at 1.5 ft bgs - large white pieces of gravel and cement	G/BS-D4-1-2.0	2.7	
		CLAYEY SAND, little GRAVEL and SILT (SC) Dark brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (15, 40, 15, 30)	G/BS-D4-1-3.0	2.0	
		SANDY CLAY, few GRAVEL and SILT (CH) Dark brown, soft, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (10, 30, 10, 50)	G/BS-D4-1-4.0	2.4	
5		**SAND, little GRAVEL and CLAY, few SILT (SW-SM)** Dark brown, soft, wet, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (20, 50, 10, 20)	G/BS-D4-1-5.0	2.3	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/BS-F4-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		SAND, little GRAVEL, few SILT and CLAY (SW) Dark brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (20, 60, 10, 10)	G/BS-F4-1-1.0	4.7	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SANDY CLAY, few SILT (CH) Brown, soft, dry, fine to medium grained, subangular sand, well graded, plasticity (0, 30, 10, 60)	G/BS-F4-1-2.0	4.8	
			G/BS-F4-1-3.0	5.6	
		SAND, little SILT, few CLAY (SW-SM) Brown, dense, moist, fine to medium grained, subangular sand, well graded, no plasticity (0, 70, 20, 10)	G/BS-F4-1-4.0	3.9	
5		**CLAY, few SAND and SILT (CH)** Black, very stiff, dry, fine to medium grained, subangular sand, well graded, high plasticity (0, 10, 10, 80)	G/BS-F4-1-5.0	5.1	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G/BS-H1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.A.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		CLAY, little SAND, few GRAVEL and SILT (CH) Dark gray, stiff, moist, dry, fine to medium grained, subangular sand and gravel, well graded, high-plasticity (10, 20, 10, 60) at 1 ft bgs - lense of large pieces of gravel	G/BS-H1-1-1.0	5.7	
			G/BS-H1-1-2.0	333.7	
		CLAYEY SAND, few GRAVEL and SILT (SC) Gray brown, dense, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (10, 50, 10, 30) at 2 ft bgs - gasoline odor	G/BS-H1-1-3.0	78.3	
			G/BS-H1-1-4.0	15.3	
5		**CLAY, little GRAVEL, few SILT (CH)** Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, high plasticity (0, 20, 10, 70)	G/BS-H1-1-5.0	5.4	Boring terminated at 5 ft bgs

NOTES:

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Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-B1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		SAND, little CLAY and GRAVEL, few SILT (SW) Brown, loose, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (15, 50, 10, 25)	G/UC-B1-1-1.0	5.0	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, little CLAY, few SILT and GRAVEL (SW-SM) Orange brown, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (10, 65, 10, 15)	G/UC-B1-2-2.0	2.5	
		at 2.5 ft bgs - few inches of yellow material, transparent-ish, rock/sand like from 2.7 to 3.5 ft bgs - glass content	G/UC-B1-3-3.0	3.2	
		SANDY CLAY, little SILT (CL) Black, moist, fine to coarse grained, subangular sand, well graded, low to medium plasticity (0, 40, 15, 45)	G/UC-B1-4-4.0	3.2	
5			G/UC-B1-5-5.0	6.5	5
		from 5.2 to 5.4 ft bgs - glass content			
		CLAY, little SAND, few SILT (CH) Black, stiff, dry, fine to medium grained, subangular sand, poorly graded, medium plasticity (0, 20, 10, 70)			
			G/UC-B1-8-8.0	3.5	
10			G/UC-B1-10-10.0	4.6	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-B4-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **D.B.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Light brown, loose, dry, fine grained, subangular gravel and sand, non-plastic (25, 50, 5, 20)	G/UC-B4-1-1.0	14.8	
		Sand, little SILT (SW-SM) Dark black, loose, dry, very fine to fine grained, poorly graded (0, 80, 20, 0)	G/UC-B4-1-2.0		
			G/UC-B4-1-3.0	10.5	
			G/UC-B4-1-4.0	14.4	
5		**CLAY, little SILT, few SAND (CL)** Dark brown, medium stiff, dry, very fine grained, non-plastic to low plasticity (0, 10, 25, 65)	G/UC-B4-1-5.0	11.2	5
		CLAY, little SILT (CH) Dark black, medium stiff, dry, low to medium plasticity (0, 0, 15, 85)			
			G/UC-B4-1-8.0	6.1	
10			G/UC-B4-1-10.0	5.3	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-C1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular gravel and sand, low plasticity (25, 50, 5, 20)	G/UC-C1-1-1.0	5.7	
		SANDY CLAY, trace GRAVEL and SILT (CL) Light gray/brown, medium stiff, dry, well graded, low plasticity (5, 20, 5, 70)	G/UC-C1-1-2.0	8.6	
			G/UC-C1-1-3.0	6.4	
		CLAYEY SAND, trace SILT (SC) Brown, medium stiff, dry, fine to medium grained, well graded, low plasticity (0, 60, 5, 35)	G/UC-C1-1-4.0	7.6	
5		**CLAY, little SILT, trace SAND (CH)** Dark brown/black, medium stiff, dry, low plasticity (0, 5, 25, 70)	G/UC-C1-1-5.0	2.0	5
		CLAY, little SILT (CH) Dark black, stiff to very stiff, dry, medium plasticity (0, 0, 20, 80)			
			G/UC-C1-1-8.0	2.4	
		CLAY, little SAND, few SILT (CL) Brown/light brown, medium to very stiff, moist, fine grained, low plasticity (0, 15, 10, 75)		3.1	
10			G/UC-C1-1-10.0	5.8	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-C4-1/P-10	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/22/24-5/22/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, some SILT, trace CLAY (SW-SC) Dark black, loose, dry, fine to medium grained, well graded (0, 65, 30, 5)	G/UC-C4-1/P-10-1.0	1.5	
			G/UC-C4-1/P-10-2.0	3.1	
			G/UC-C4-1/P-10-3.0	3.0	
		CONCRETE			
		CLAY, little SILT (CL) Dark brown/black, medium stiff to stiff, dry, low plasticity (0, 0, 25, 75)	G/UC-C4-1/P-10-4.0	3.1	
5			G/UC-C4-1/P-10-5.0	5.4	5
	GROUND WATER LEVEL (Static at 5.55 ft bgs)				
		CLAY, little SILT (CH) Brown, medium stiff, dry, medium to high plasticity (0, 0, 15, 85)	G/UC-C4-1/P-10-8.0	3.5	
10			G/UC-C4-1/P-10-10.0	5.1	10
		CLAY, few SILT (CH) Brown, stiff to very stiff, dry, medium to high plasticity (0, 0, 10, 90)			
				5	
		CLAY, little SILT (CH) Dark black, stiff, dry, medium plasticity (0, 0, 20, 80)			
15					15
				8.2	
		CLAY, few SILT, trace SAND (CL) Brown, medium stiff, dry, medium plasticity (0, 5, 10, 85) at 16.5 ft bgs - becomes slightly moist			
				6.2	
		CLAYEY SAND (SC) Light brown, medium dense, wet, fine to coarse grained, subangular gravel and sand (0, 70, 0, 30)	G/UC-C4-1/P-10-19.0	6.5	
20				6.1	Boring terminated at 20 ft bgs 20

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-H4-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **J.A.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		SAND, little GRAVEL and CLAY, few SILT (SW-SC) Orange brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (25, 45, 10, 20)	G/UC-H4-1-1.0	1.3	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			G/UC-H4-1-2.0	0.4	
		CLAY, little SAND and GRAVEL (CL) Orange brown, stiff (hard rocks), fine to coarse grained, subangular sand and gravel, well graded, low plasticity (25, 25, 10, 40) at 2.5 ft bgs - pieces of green rock content, moist	G/UC-H4-1-3.0	1.0	
			G/UC-H4-1-4.0	1.3	
		at 4.0 ft bgs - becomes soft, wet	G/UC-H4-1-4.75	0.5	Boring terminated at 4.75 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-I1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few SILT, trace CLAY (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 60, 10, 5)	G/UC-I1-1-1.0	1.8	
		SANDY CLAY, few SILT (CL) Brown, soft to medium stiff, dry, low plasticity, no odor (0, 25, 10, 65)	G/UC-I1-1-2.0	3.7	
			G/UC-I1-1-3.0	3.5	
		CLAY, little SILT (CH) Dark brown/black, medium stiff to stiff, dry, medium plasticity, no odor (0, 0, 20, 80)	G/UC-I1-1-4.0	4.8	
5			G/UC-I1-1-5.0	4.8	5
		CLAY, little SILT (CH) Dark black, stiff, dry, medium plasticity, no odor (0, 0, 15, 85)	G/UC-I1-1-8.0	4.7	
		CLAY, little SILT and SAND (CL) Brown, medium stiff, dry, fine to coarse grained, medium plasticity, no odor (0, 20, 15, 65)			
10			G/UC-I1-1-10.0	3.3	Boring terminated at 10 ft bgs 10

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-I2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few SILT, trace CLAY (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 69, 10, 5)	G/UC-I2-1-1.0	6.1	
		SANDY CLAY, few SILT (CL) Brown, soft, dry, low plasticity, no odor (0, 25, 10, 65)	G/UC-I2-1-2.0	6.6	
		CLAY, little SILT (CH) Dark black, stiff, dry, medium plasticity, no odor (0, 0, 15, 85)	G/UC-I2-1-3.0	6.1	
			G/UC-I2-1-4.0	5.1	
5			G/UC-I2-1-5.0	6.7	
			G/UC-I2-1-8.0	6.3	
		CLAY, little SILT (CH) Dark gray, medium stiff to stiff, dry, medium to high plasticity, no odor (0, 0, 20, 80)			
10			G/UC-I2-1-10.0	7.4	Boring terminated at 10 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

ROUX
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Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-I3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few SILT, trace CLAY (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 60, 10, 5)	G/UC-I3-1-1.0	1.1	
		SANDY CLAY, few SILT (CL) Brown/gray, soft, dry, low plasticity, no odor (0, 25, 10, 65)	G/UC-I3-1-2.0	1.8	
		CLAY, little SILT (CH) Dark black, stiff, dry, medium plasticity, no odor (0, 0, 15, 85)	G/UC-I3-1-3.0		
			G/UC-I3-1-4.0	2.1	
5		**CLAYEY SAND, trace SILT (SC)** Light gray, loose to medium dense, moist, fine grained, non-plastic, no odor (0, 60, 5, 35)	G/UC-I3-1-5.0	2.3	5
		CLAY, little SILT (CH) Dark black, medium stiff to stiff, dry, medium plasticity, no odor (0, 0, 15, 85)			
			G/UC-I3-1-8.0	0.7	
10			G/UC-I3-1-10.0	1.0	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

ROUX
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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G/UC-I4-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **J.A.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, little GRAVEL and CLAY, few SILT (SW-SC) Brown, dense, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (25, 40, 5, 20)	G/UC-I4-1-1.0	0.6	
		at 1.5 ft bgs - color changes to brown, moist, less gravel. Some black porous volcanic rock and glass throught	G/UC-I4-1-2.0	0.7	
			G/UC-I4-1-3.0	0.9	
		SANDY CLAY, few SILT, trace GRAVEL (CL) Dark brown, soft, moist, fine to medium grained, subangular sand and gravel, well graded, low to medium plasticity (5, 35, 10, 50)	G/UC-I4-1-4.0	0.4	
5		**SAND, little SILT and CLAY (SW-SM)** Brown, dense, wet, fine to medium grained, subangular sand and gravel, well graded, non-plastic (0, 60, 20, 20)	G/UC-I4-1-5.0	0.7	5
			G/UC-I4-1-8.0	0.2	
		CLAY, little SAND and SILT, trace GRAVEL (CH) Orange brown, soft, moist, fine to medium grained, subangular sand and gravel, well graded, medium to high plasticity (5, 20, 20, 50)			
10			G/UC-I4-1-10.0	0.2	Boring terminated at 10 ft bgs 10

NOTES:

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5150 E. Pacific Coast Highway, Suite 450
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Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-A1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		CLAYEY SAND, little GRAVEL and few SILT (SC) Brown, medium dense, moist, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (15, 45, 10, 30)	G-A1-1-1.0	1.5	
		at 0.7 ft bgs - becomes dry	G-A1-1-2.0	0.5	
		at 1.7 ft bgs - color changes to orange brown			
		at 2.5 ft bgs - increased gravel and fine sand content	G-A1-1-3.0	2.0	
		at 3.0 ft bgs - increase in sand content			
			G-A1-1-4.0	0.7	
5		**SANDY CLAY, little SILT (CL)** Dark brown, medium stiff, dry, fine to medium grained, subangular sand, well graded, medium plasticity (0, 25, 20, 55)	G-A1-1-5.0	0.7	Boring terminated at 5 ft bgs

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-B2-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, little CLAY, GRAVEL and SILT (SW) Dark brown, loose, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic (15, 50, 15, 20)	G-B2-1-1.0	5.5	
		at 1.5 ft bgs - medium dense, feels more compacted, fine to coarse grained	G-B2-1-2.0	3.6	
			G-B2-1-3.0	2.0	
			G-B2-1-4.0	4.3	
5		**CLAY, little SAND, few SILT (CH)** Black, stiff, dry, fine to medium grained, subangular sand, medium plasticity (0, 20, 10, 70)	G-B2-1-5.0		Boring terminated at 5 ft bgs

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-B3-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular gravel, low plasticity (25, 50, 5, 20)	G-B3-1-1.0	10.9	
		CLAY, little SILT, trace SAND (CL) Dark brown/black, soft to medium stiff, dry, low plasticity (0, 5, 15, 80)	G-B3-1-2.0	16	
		CLAYEY SAND, trace SILT (SC) Light brown, loose to medium dense, dry, fine to medium grained, non-plastic (0, 65, 5, 30)	G-B3-1-3.0	3.1	
		CLAY, little SILT (CL) Dark brown/black, medium stiff, dry, low plasticity (0, 0, 20, 80)	G-B3-1-4.0	8.2	
5		at 4.2 ft bgs - 4 inches CONCRETE	G-B3-1-5.0	16.5	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-C2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, low plasticity (30, 45, 5, 25)	G-C2-1-1.0	0.3	
		CLAYEY SAND, trace SILT, trace GRAVEL (SC) Brown/dark brown, soft, dry, fine to medium grained, low plasticity (5, 50, 5, 40)	G-C2-1-2.0	0.0	
			G-C2-1-3.0	3.1	
			G-C2-1-4.0	3.7	
		CLAY, little SILT, trace SAND (CL) Dark brown/black, soft to medium stiff, dry, low plasticity (0, 5, 15, 80)			
5			G-C2-1-5.0	4.1	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-C3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		GRAVELY SAND, few CLAY, trace SILT (SW) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, low plasticity (25, 50, 5, 20)	G-C3-1-1.0	8.0	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		CLAYEY SAND, trace SILT (SC) Light brown/red, loose, dry, fine to medium grained, non-plastic (0, 65, 5, 30)	G-C3-1-2.0	6.7	
		CLAY, little SILT, trace SAND (CL) Dark brown/black, medium stiff, dry, low plasticity (2, 5, 25, 70)	G-C3-1-3.0	10.8	
			G-C3-1-4.0	4.1	
5			G-C3-1-5.0	8.1	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-D1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		GRAVELY SAND, few SILT and CLAY (SW) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (30, 50, 10, 10)	G-D1-1-1.0	0.7	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			G-D1-1-2.0	5.7	
		from 2.2 to 4 ft bgs - gasoline odor	G-D1-1-3.0	8.2	
		SANDY CLAY, little GRAVEL, trace SILT (CL) Black, soft, dry, fine to medium grained, subangular sand and gravel, well graded, lost plasticity (15, 30 5, 50)	G-D1-1-4.0	4.3	
5		at 4.5 ft bgs - color changes to gray green, becomes moist	G-D1-1-5.0	5.4	Boring terminated at 5 ft bgs

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-D2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		SANDY CLAY, little GRAVEL, few SILT (CL) Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (20, 30, 10, 40)	G-D2-1-1.0	5.9	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			G-D2-1-2.0	6.9	
		from surface to 2.5 ft bgs - gasoline odor	G-D2-1-3.0	7.7	
		GRAVELY SAND, few CLAY and SILT (SW) Black, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (30, 50, 10, 10)	G-D2-1-4.0	5.3	
5		**SAND, few CLAY and SILT (SP)** Black with white speckles, very loose, dry, fine to medium grained, subangular sand and gravel, poorly graded, non-plastic (0, 80, 10, 10)	G-D2-1-5.0	5.7	Boring terminated at 5 ft bgs
		SANDY CLAY, little GRAVEL, few SILT (CL) Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (20, 30, 10, 40)			

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-D3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY / LOGGED BY		**OAKLAND, CALIFORNIA**		
J.O. / **J.A.**				
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		CLAYEY SAND, little GRAVEL and SILT (CL) Brown, loose, dry, fine to medium grained sand and gravel, well graded, low plasticity (15, 40, 15, 30)	G-D3-1-1.0	2.1	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		at 1 ft bgs - color changes to green, gasoline odor, increase in sand	G-D3-1-2.0	6.9	bgs = below ground surface. Density estimates not intended for geotechnical purposes.
		CLAY, few SAND and SILT (CH) Black, very stiff, dry, fine to medium grained, subangular sand, well graded, high plasticity (0, 10, 10, 80)	G-D3-1-3.0	9.1	ft bgs = feet below ground surface.
		GRAVELY SAND, few SILT and CLAY (SW) Black, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (30, 50, 10, 10)	G-D3-1-4.0	8.7	
5		bottom 2 inches - fine to medium grained sand, no gravel	G-D3-1-5.0	6.9	Boring terminated at 5 ft bgs
		CLAY, few SAND and SILT (CH) Black, very stiff, dry, fine to medium grained, subangular sand and gravel, well graded, high plasticity (10, 10, 10, 70)			
		SAND, few SILT and CLAY (SP) Black, loose, dry, fine to medium grained, subangular sand, well graded, non-plastic (0, 80, 10, 10)			

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-E1-1/GW-2	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/22/24-5/22/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, little to no plasticity (30, 40, 10, 20)	G-E1-1/GW-2-1.0	8.9	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
			G-E1-1/GW-2-2.0		
		SANDY CLAY (CL) Black, stiff, dry, fine to medium grained, subangular sand, well graded, medium plasticity (0, 30, 0, 70)		7.5	
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Dark brown, loose, dry, fine to coarse grained, subangular sand, well graded, little to no plasticity (35, 40, 10, 15)	G-E1-1/GW-2-4.0	7.1	
			G-E1-1/GW-2-5.0	7.1	
5					5
		SANDY CLAY, trace SILT (CH) Black, very soft, dry, fine to medium grained, subangular sand, well graded, medium plasticity (0, 30, 5, 65)		3.0	First encountered static water level: 8.74 ft bgs
				6.1	Second encountered static water level: 14.05 ft bgs
		at 9 ft bgs - increase in plasticity to medium-high			
10					10
				5.7	
		at 11 ft bgs - color changes to green gray			
		at 11.5 ft bgs - becomes moist, decrease in plasticity			
				8.0	
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Dark brown, loose, moist, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (30, 40, 10, 20)	G-E1-1/GW-2-13.5		
		SANDY CLAY, little SILT (CL) Gray green, soft, moist, (wet first 2 inches), fine to medium grained, subangular sand, well graded, medium plasticity (0, 35, 20, 45)			
15					15
		from 17 to 18 ft bgs - color changes to green gray with gray/brown mottling, becomes stiff with high plasticity			
		at 18 ft bgs - lense of coarse sand and gravel			
		at 18.5 ft bgs - wet interval of 1 inch			
20					20
25					25

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-E1-1/GW-2	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.A.**	**OAKLAND, CALIFORNIA**

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
30		**SANDY CLAY, little SILT (CL)** Gray green, soft, moist, (wet first 2 inches), fine to medium grained, subangular sand, well graded, medium plasticity (0, 35, 20, 45) *(continued)* at 25 ft bgs - color changes to orange brown with green/gray mottling			Boring terminated at 30 ft bgs 30

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-E2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		CLAYEY SAND, little GRAVEL, few SILT (SC) Gray, dense, moist, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (20, 40, 10, 30) from 0.7 to 1.2 ft bgs - layer of large gravel, possible concrete	G-E2-1-1.0	1.8	bgs = below ground surface.
			G-E2-1-2.0	2.3	Density estimates not intended for geotechnical purposes.
		SANDY CLAY, few SILT, trace gravel (CL) Dark gray, soft, dry, fine to medium grained, subangular sand and gravel, well graded, low to medium plasticity (5, 30, 10, 55)	G-E2-1-3.0	2.9	ft bgs = feet below ground surface.
			G-E2-1-4.0	2.7	
5			G-E2-1-5.0	4.8	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-E3-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		SAND, few GRAVEL, SILT and CLAY (SW) Black, loose, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity, gasoline odor and yellow spots (10, 70, 10, 10)	G-E3-1-1.0	5.8	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		CLAY, little SAND, few GRAVEL, trace SILT (CH) Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (10, 25, 5, 70)	G-E3-1-2.0	3.9	
			G-E3-1-3.0	2.8	
			G-E3-1-4.0	1.8	
5		**GRAVELY SAND, few SILT and CLAY (SW)** Brown, loose, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic, large pieces of gravel and rusted nail (30, 50, 10, 10)	G-E3-1-5.0	2.8	Boring terminated at 5 ft bgs

NOTES:

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-F1-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.A.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		SANDY CLAY, little GRAVEL, few SILT (CH) Dark brown, soft, moist, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (15, 35, 10, 40)	G-F1-1-1.0	2.5	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		at 1.5 ft bgs - becomes wet	G-F1-1-2.0	7.7	bgs = below ground surface. Density estimates not intended for geotechnical purposes.
		at 2 ft bgs - decrease in sand and gravel content, increase in plasticity (5, 30, 10, 55)	G-F1-1-3.0	7.2	ft bgs = feet below ground surface.
			G-F1-1-4.0	3.9	
5			G-F1-1-5.0	5.0	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
G-F2-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		SAND, few SILT and CLAY (SW) Dark gray, loose, dry, fine to medium grained, subangular sand, well graded, low plasticity (0, 80, 10, 10)	G-F2-1-1.0	6.2	bgs = below ground surface.
		at 1.5 ft bgs - color changes to brown, fine to coarse grained, dense, moist	G-F2-1-2.0	8.0	Density estimates not intended for geotechnical purposes.
		at 1.7 ft bgs - color changes to black			ft bgs = feet below ground surface.
		at 2.0 ft bgs - gasoline odor	G-F2-1-3.0	4.2	
		CLAY, little SAND, few SILT (CH) Black, soft, moist, fine to medium grained, subangular sand, well graded, medium plasticity, slight odor (0, 20, 10, 70)	G-F2-1-4.0	6.9	
5		at 4.5 ft bgs - becomes stiff, medium to high plasticity	G-F2-1-5.0	6.7	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-F3-1/P-03	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface. Boring terminated at 4.5 ft bgs
		SAND, little SILT (SW-SM)	G-F3-1/P-03-1.0	26.7	
		Dark black, loose, dry, very fine to fine grained, poorly graded (0, 80, 20, 0)	G-F3-1/P-03-2.0	16.7	
		from 1 to 2 ft bgs - slight odor			
			G-F3-1/P-03-3.0	29.6	
			G-F3-1/P-03-4.0	27.6	
		from 4 to 4.5 ft bgs - strong odor	G-F3-1/P-03-5.0	27.2	
		at 4.2 ft bgs - becomes moist			

NOTES:
Refusal at 4.5 ft bgs. Attempted 2 step outs with refusal at 4.5 ft bgs

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-G1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			
		CLAY, little SAND, few GRAVEL and SILT (CH) Brown, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, medium to high plasticity (10, 25, 10, 55)	G-G1-1-1.0	5.1	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		at 2.0 ft bgs - large gravel, black, porous volcanic rock or coal, pieces of black glass	G-G1-1-2.0	8.5	
			G-G1-1-3.0	8.8	
		SANDY CLAY, few SILT, trace GRAVEL (CL) Brown, soft, moist, fine to medium grained, subangular sand and gravel, well graded, low plasticity (5, 35, 10, 55)	G-G1-1-4.0	22.8	
		at 3.5 ft bgs - becomes wet			
5		at 4.0 ft bgs - color changes to black, strong odor	G-G1-1-5.0	33.7	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-G2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Dark brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (30, 35, 10, 25)	G-G2-1-1.0	5.5	
		SANDY CLAY, few SILT (CH) Black, stiff, dry, fine to medium grained, subangular sand, well graded, medium to high plasticity (0, 30, 10, 60)	G-G2-1-2.0	9.4	
		at 1.5 ft bgs - light gasoline odor	G-G2-1-3.0	8.3	
		at 2.5 ft bgs - color changes to brown, saturated, coarse sand			
		CLAYEY SAND, little SAND, few SILT (SC) Brown, dense, saturated, fine to coarse grained, subangular sand and gravel, well graded, low plasticity, stronger gasoline odor (15, 45, 10, 30)	G-G2-1-4.0	6.3	
5		**~~SANDY CLAY, few GRAVEL and SILT (CL)~~** Black, stiff, moist, fine to medium grained, subangular and gravel, low to medium plasticity (10, 25, 10, 55)	G-G2-1-5.0	7.2	Boring terminated at 5 ft bgs

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-G3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE From 0.5 to 0.7 ft bgs - brown			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Black, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (30, 35, 10, 25)	G-G3-1-1.0	5.5	
		SANDY CLAY, few SILT (CL) Black, soft, dry, fine to medium grained, subangular sand, well graded, low plasticity, gasoline odor (0, 30, 10, 60)	G-G3-1-2.0	5.1	
		SAND, little CLAY and SILT (CL) Dark gray, dense, moist, subangular sand, well graded, non-plastic (0, 70, 15, 15)	G-G3-1-3.0	3.2	
		SANDY CLAY, few SILT (CL) Dark gray, soft, moist, fine to medium grained, subangular sand, well graded, low plasticity (0, 30, 10, 60)	G-G3-1-4.0	4.8	
5			G-G3-1-5.0	5.0	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-G4-1/P-12	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)	G-G4-1/P-12-1.0	14.3	
		SAND, little SILT(SW-SM) Dark black, loose, dry, very fine to fine grained, poorly graded (0, 80, 20, 0)	G-G4-1/P-12-2.0	11.2	
			G-G4-1/P-12-3.0	12.1	
		CLAY, little SILT, trace SAND (CL) Dark brown, medium stiff, dry, low plasticity (0, 5, 20, 75)	G-G4-1/P-12-4.0	9.4	
5	▽ GROUND WATER LEVEL (Static at 4.79 ft bgs)		G-G4-1/P-12-5.0	7.8	5
		CLAYEY SAND (SC) Light brown, soft to medium dense, wet, fine grained, poorly graded, non-plastic (0, 80, 0, 20)			
		CLAY, little SILT, trace SAND (CH) Brown/dark brown, medium stiff, dry, medium plasticity (0, 5, 15, 80)			
10					Boring terminated at 10 ft bgs 10

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-H2-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE	G-H2-1-1.0	1.7	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		CLAYEY SAND, little GRAVEL, trace SILT (SC) Dark brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, low platicity (15, 50, 5, 30) at 2 ft bgs - color changes to brown, moist, fine to coarse grained	G-H2-1-2.0	0.9	bgs = below ground surface. Density estimates not intended for geotechnical purposes.
			G-H2-1-3.0	0.6	ft bgs = feet below ground surface.
		GRAVELY SAND (SW) Brown, loose, moist, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 55, 10, 10)	G-H2-1-4.0	0.4	
5		**SANDY CLAY (CL)** Dark gray, soft, moist, fine to medium grained, subangular sand and gravel, well graded, low to medium plasticity (0, 20, 10, 70)	G-H2-1-5.0	0.4	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
G-H3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE	G-H3-1-1.0	0.6	(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		SAND, little GRAVEL and CLAY, few SILT (SW-SC) Brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic (20, 50, 10, 20)	G-H3-1-2.0	1.8	bgs = below ground surface. Density estimates not intended for geotechnical purposes.
		at 1.5 ft bgs - color changes to dark brown, moist			
		SANDY CLAY, few GRAVEL and SILT (CL) Dark brown, soft, moist, fine to medium grained, subangular sand and gravel, low plasticity (10, 30, 10, 50)	G-H3-1-3.0	0.6	ft bgs = feet below ground surface.
		at 3.5 ft bgs - becomes wet	G-H3-1-4.0	2.9	
5		**SAND, little SILT and CLAY (SW-SM)** Gray, dense, wet, fine to medium grained, subangular sand and gravel, well graded, non-plastic (0, 60, 20, 20)	G-H3-1-5.0	4.2	Boring terminated at 5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
GW-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/22/24-5/22/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)			bgs = below ground surface.
		CLAY, little SAND and SILT (CL) Dark black, medium stiff, dry, fine grained, low plasticity (0, 15, 20, 65)		6.2	Density estimates not intended for geotechnical purposes.
					ft bgs = feet below ground surface.
5					5
				6.5	Add: First encountered static water level: 8.22 ft bgs
		CLAY, few SILT (CH) Dark black, stiff to very stiff, dry, medium plasticity (0, 0, 20, 80)			Second encountered static water level: 8.25 ft bgs
				4.2	
10					10
				8.1	
		CLAY, little SAND, few SILT (CH) Dark gray, medium stiff, moist, fine grained, medium to high plasticity (0, 20, 10, 70)	GW-3-1-13.0	5.4	
15					15
		CLAY, few SILT (CH) Dark black, very stiff, dry, medium plasticity (0, 0, 20, 80)		4.9	
				3.1	
		CLAY, some SAND, trace SILT (CH) Brown/gray, soft, wet, fine grained, medium plasticity (0, 20, 5, 75)			
20				3.3	Boring terminated at 20 ft bgs 20

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
GW-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/22/24-5/22/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)			
		CLAY, little SAND and SILT (CL) Dark black, medium stiff, dry, fine grained, low plasticity (0, 15, 20, 65)		4.4	
5					5
		CLAY, few SILT (CH) Dark black, stiff to very stiff, dry, medium plasticity (0, 0, 20, 80)		4.8	First encountered static water level: 9.15 ft bgs Second encountered static water level: 8.10 ft bgs
				8.3	
10					10
				9.3	
		CLAY, few SILT and SAND (CH) Gray, soft to medium stiff, dry, fine grained, medium to high plasticity (0, 10, 10, 80)			
				9.5	
			GW-4-1-13.5		
		at 13.5 ft bgs - becomes moist/wet			
		CLAY, few SILT (CH) Dark black, very stiff, dry, medium plasticity (0, 0, 20, 80)			
15					15
				7.9	
		CLAY, little SAND and few SILT (CH) Gray, soft, moist, fine grained, high plasticity (0, 15, 10, 75)		6.2	
		CLAY, few SILT (CH) Gray, soft to medium stiff, dry, medium to high plasticity (0, 0, 10, 90)			
20					20
				6.5	
		CLAYEY SAND, trace SILT (SC) Light brown, medium dense, moist, fine to coarse grained, non-plastic (0, 60, 5, 35)		5.4	
		CLAY, little SILT (CH) Dark brown, stiff to very stiff, dry, medium plasticity (0, 0, 15, 85)			
25					25

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
GW-4	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CLAY, little SILT (CH) Dark brown, stiff to very stiff, dry, medium plasticity (0, 0, 15, 85) *(continued)*		5.5	
				6.0	
30				5.2	30
		CLAY, little SAND and few SILT (CH) Light brown, stiff, dry, medium plasticity (0, 15, 10, 75)			
35				4.3	Boring terminated at 35 ft bgs 35

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
GW-5	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, few SILT (SW) Dark brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, no plasticity (30, 40, 10, 20)		3.8	
5				2.6	5
		CLAY, little SAND, few SILT (CH) Black, stiff, dry, fine to medium grained, subangular sand, well graded, low plasticity (0, 20, 0, 80)			First encountered static water level: 5.95 ft bgs Second encountered static water level: 7.43 ft bgs
		-Some intervals with fine to coarse grained sand lense of orange brown, brown, and gray at 6.8 ft bgs - lense with some moisture at 7 ft bgs - color changes to light orange brown		4.2	
10		at 9.8 ft bgs - lense with wet sand and then dry		3.7	10
		SANDY CLAY, few SILT, trace GRAVEL (CL) Light orange brown, stiff, moist, fine to coarse grained, subangular sand and gravel, medium plasticity (05, 40, 10, 55)		2.1	
15		**CLAYEY SAND, few SILT and GRAVEL (SC)** Orange brown, soft, moist, fine to coarse grained, subangular sand and gravel, low plasticity (5, 50, 10, 35) **SANDY CLAY (SC)** Orange brown, stiff, moist, fine to coarse grained, subangular sand and gravel, medium plasticity (10, 30, 10, 50) at 16.8 ft bgs - increased plasticity		12.5	15
20		**CLAYEY SAND, few SILT (SC)** Orange brown, dense, moist, fine to medium grained, subangular sand, low plasticity (0, 60, 10, 30)		14	20
		SANDY CLAY (SC) Orange brown, stiff, moist, medium to coarse grained sand (0, 30, 10, 60)			
25				10.1	Boring terminated at 25 ft bgs 25

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
GW-6	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/24/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, few SILT, trace GRAVEL and DIRT (SP) Black, dense, dry, fine to medium grained subangular sand and gravel, poorly graded, non-plastic (5, 80, 5, 10)			
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Orange brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)		26.7	
		SANDY CLAY, trace SILT (CH) Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (0, 30, 5, 65)			
5				30.6	5
					First encountered static water level: 4.89 ft bgs Second encountered static water level: 5.02 ft bgs
				41.5	
		at 8 ft bgs - color changes to gray with orange brown mottling			
10				38.1	10
			GW-6-12.0		
				24.5	
		at 14 ft bgs - increase in fine sand content, moist, 5% gravel			
15				34.5	15
		SAND, little GRAVEL and CLAY, few SILT (SW-SC) Orange brown, loose, wet, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (25, 45, 10, 20)	GW-6-17.5		
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Orange brown, loose, saturated, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)			
20		**SANDY CLAY, trace SILT (CH)** Orange brown, stiff, moist, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (0, 30, 5, 65)		18.6	20
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Orange brown, loose, saturated, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)			Boring terminated at 22.5 ft bgs

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
P-01	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SANDY CLAY, trace GRAVEL and SILT (CH) Black, soft, dry, fine to medium grained, subangular sand and gravel, well graded, medium plasticity (15, 30, 5, 60)			
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Orange brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)		6.5	
5		**SANDY CLAY, trace GRAVEL and SILT (CH)** Black, soft, dry, fine to medium grained, subangular sand and gravel, well graded, high plasticity (15, 30, 5, 60)		6.4	
		at 7 ft bgs - color changes to green with orange/brown mottling		8.5	
		at 8 ft bgs - gasoline odor			
10	▽ GROUND WATER LEVEL (Static at 9.45 ft bgs)			179	
				360.8	
15		at 15 ft bgs - color changes to to gray, increase in sand content, moist		542	
		CLAYEY SAND, little SILT (SC) Gray, dense, wet, fine to medium coarse grained sand, subangular sand, well graded, low plasticity (0, 45, 20, 35)	P-01-16.5		Boring terminated at 17.5 ft bgs
		SANDY CLAY, trace GRAVEL and SILT (CH) Gray, soft, moist to wet, fine to medium grained, subangular sand and gravel, well graded, high plasticity (15, 30, 5, 60)		427	

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
P-02	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SAND, few CLAY, trace SILT and GRAVEL (SP) Black, dense, dry, fine to medium grained, subangular sand and gravel, poorly graded, non-plastic (5, 80, 5, 10)			
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Green, loose, dry, fine to medium grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)			
		CLAYEY SAND, little SILT, trace GRAVEL (SC) Green, dense, moist, fine to medium grained, subangular sand and gravel, poorly graded, low plasticity (5, 60, 15, 20)		3.1	
		SAND, few CLAY, trace SILT and GRAVEL (SP) Black, dense, moist, fine to medium grained, subangular sand and gravel, poorly graded, non-plastic (5, 80, 5, 10)			
5					5
		SANDY CLAY, trace SILT (CH) Black, very soft, moist, fine to medium grained, subangular sand, well graded, medium plasticity (0, 30, 5, 65)		1.8	
	▽ GROUND WATER LEVEL (Static at 6.45 ft bgs)				
		at 7 ft bgs - color changes to orange/brown with green mottling, increase in plasticity		0.8	
10					10
				3.4	
		at 11 ft bgs - increase in sand content and moisture	P-02-12.5		
		GRAVELY SAND, little CLAY, few SILT (SW-SC) Orange brown, loose, saturated, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (35, 40, 10, 15)			
		SANDY CLAY, trace SILT (CH) Black, very soft, moist, fine to medium grained, subangular sand, well graded, medium plasticity (0, 30, 5, 65)			
15					Boring terminated at 15 ft bgs 15

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
P-06	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)			
		SAND, little SILT (SM) Dark black, loose, dry, very fine to fine grained, poorly graded (0, 80, 20, 0)		6.1	
		GROUND WATER LEVEL (Static at 3.55 ft bgs)			
5		**CLAY, little SILT, trace SAND (CL)** Dark brown, medium stiff, dry, low plasticity (0, 5, 20, 75)	P-06-5.0	9.3	5
		CLAYEY SAND (SC) Light brown/ gray, soft, wet, fine grained, poorly graded, non-plastic (0, 80, 0, 20)			
		CLAY, little SILT (CH) Dark brown, stiff, dry, medium plasticity (0, 0, 15, 85)			
10					Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
P-08	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Brown, loose, dry, fine grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)			bgs = below ground surface.
		SAND, little SILT (SM) Dark black, loose, dry, very fine to fine grained, poorly graded (0, 80, 20, 0)		7.1	Density estimates not intended for geotechnical purposes.
	▽ GROUND WATER LEVEL (Static at 3.12 ft bgs)	**CLAY, little SILT (CL)** Dark black, medium stiff, dry, low plasticity (0, 0, 20, 80)			ft bgs = feet below ground surface.
5			P-08-5.0	44.6	5
		CLAYEY SAND (SC) Light brown/gray, loose to soft, wet, fine grained, non-plastic (0, 80, 0, 20)			
10					Boring terminated at 10 ft bgs 10

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
P-11	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.C.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay).
		GRAVELY SAND, trace SILT and CLAY (SW-SC) Dark brown, loose, dry, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (25, 65, 5, 5)		4.2	bgs = below ground surface.
		SANDY CLAY, little SILT (CL) Dark brown, dry, fine to coarse grained, subangular sand and gravel, non-plastic (5, 20, 15, 60)		4.3	Density estimates not intended for geotechnical purposes.
				3.1	ft bgs = feet below ground surface.
				4.6	
5	▽ GROUND WATER LEVEL (Static at 4.75 ft bgs)	**SILTY CLAY, trace SAND (CL)** Dark brown, dry, poorly graded, medium plasticity (0, 5, 35, 60)		4.0	5
		CLAY, little SILT (CH) Dark brown, dry, poorly graded, medium plasticity (0, 0, 20, 80)			
10		**CLAY, little SILT, trace SAND (CH)** Light brown, dry, poorly graded, medium plasticity (0, 5, 15, 80)			10
		CLAYEY SAND (SC) Light reddish brown, wet, fine to medium grained, non-plastic (0, 80, 0, 20)	P-11-12.5	5.1	
		SILTY CLAY, trace SAND (CL) Light brown, stiff, dry, poorly graded, medium plasticity (0, 5, 30, 70)			
15					Boring terminated at 15 ft bgs 15

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-06	**Not Measured**	**Not Measured**

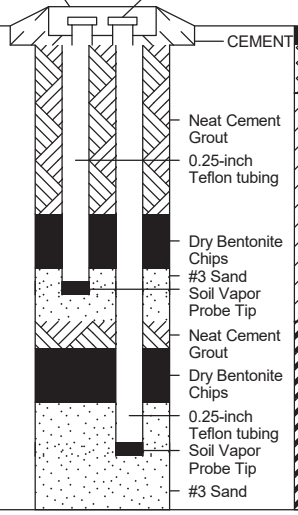
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: GROUND SURFACE TOP OF CASING (Feet)

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, trace SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (30, 50, 5, 15)		8.2	
		CLAY, little SILT, trace SAND (CL) Dark black, medium stiff to stiff, dry, low plasticity, no odor (0, 5, 20, 75)		9.2	
5		**SANDY CLAY, trace SILT (CL)** Dark black, soft, dry, fine grained, low plasticity, slight odor (0, 25, 5, 70)	SVP-06-8/5.0	10.1	5
		CLAY, few SILT (CH) Dark black, soft to medium stiff, dry, medium plasticity, no odor (0, 0, 15, 85)		8.1	Soil vapor probes installed in collocated borings.
				8.0	Boring terminated at 9 ft bgs.

NOTES:
Soil vapor probes SVP-06-5 and SVP-06-8 were installed in co-located borehole

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-10	**Not Measured**	**Not Measured**

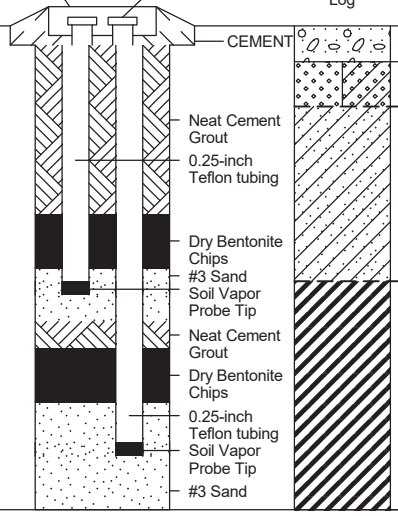
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (30, 50, 10, 10)		3.9	
		CLAYEY SAND, trace SILT (SC) Light brown, loose to soft, dry, fine to medium grained, poorly graded, non-plastic, no odor (0, 60, 5, 35)		4.4	
5		**CLAY, few SILT (CH)** Light gray, medium stiff, dry, medium plasticity (0, 0, 10, 90) at 5 ft bgs - odor	SVP-10-8-5.0	62.7	5
		at 7.75 ft bgs - becomes stiffer		22.1	Soil vapor probes installed in collocated borings.
				8.4	Boring terminated at 9 ft bgs.

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-13	**Not Measured**	**Not Measured**

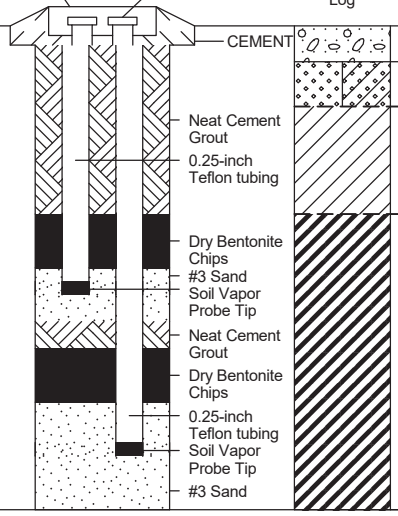
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
	GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (30, 50, 10, 10)		5.1	
	CLAY, little SAND, few SILT (CL) Black/light gray, medium stiff, dry, fine grained, medium plasticity, no odor (0, 20, 10, 70)		7.6	
5	**CLAY, few SILT (CH)** Light gray, medium stiff to stiff, dry, medium to high plasticity, no odor (0, 0, 10, 90)		8.1	5
	at 7.0 ft bgs - becomes very stiff		7.9	Soil vapor probes installed in collocated borings.
			4.3	Boring terminated at 9 ft bgs.

NOTES:

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5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-25	**Not Measured**	**Not Measured**

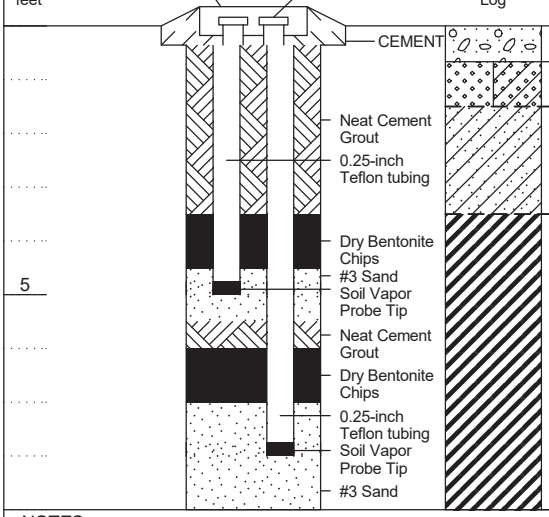
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (30, 50, 10, 10)		7.1	
		CLAYEY SAND, trace SILT (SC) Light brown, loose, dry, fine to medium grained, poorly graded, non-plastic, no odor (0, 60, 5, 35)		8.9	
5		**CLAY, few SILT (CH)** Gray, medium stiff to stiff, dry, medium plasticity, strong odor from 5-7 ft bgs (0, 0, 10, 90)		9.3	5
			SVP-25-8-8.0	11.4	Soil vapor probes installed in collocated borings.
				7.6	Boring terminated at 9 ft bgs.

NOTES:

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Long Beach, California 90804
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BORING LOG

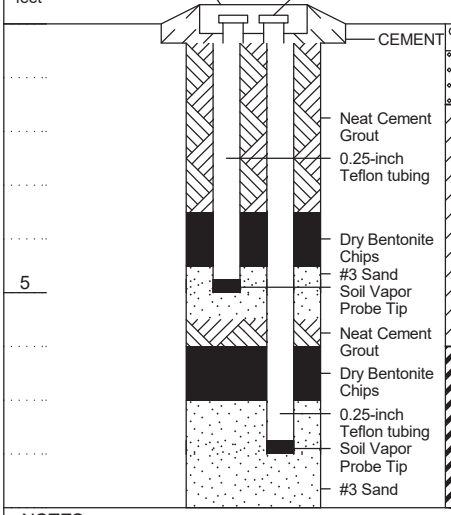
WELL NO.	LATITUDE	LONGITUDE
SVP-32	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (25, 50, 10, 15)		3.9	
		CLAY, little SILT, few SAND (CL) Black, soft to medium stiff, dry, low plasticity, no odor (0, 10, 20, 70)		5.2	
5		**SANDY CLAY, trace SILT (CL)** Dark black, soft, dry, fine grained, low plasticity, no odor (0, 25, 5, 70)		5.3	5
		CLAY, few SILT (CH) Dark black, soft to medium stiff, dry, medium plasticity, no odor (0, 0, 15, 85)		4.9	Soil vapor probes installed in collocated borings.
				4.1	Boring terminated at 9 ft bgs.

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-36	**Not Measured**	**Not Measured**

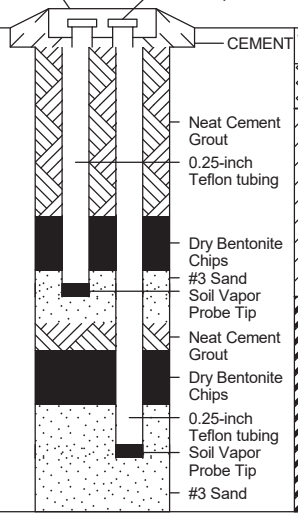
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
Nylaflow/0.25" /			**0.5** ft	**0.25"**	

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown/gray, loose, dry, fine to coarse grained, well graded (30, 50, 10, 10)		4.9	
		CLAY, little SAND, few SILT (CL) Black, light gray, stiff, dry, fine grained, medium plasticity, odor (0, 20, 10, 70)		12.2	
		at 4 ft bgs - odor			
5		**CLAY, few SILT (CH)** Light gray, soft to medium stiff, dry, high plasticity (0, 0, 10, 90) at 6 ft bgs - strong odor		82.1	5
		at 7 ft bgs - becomes moist	SVP-36-8-8.0	258.3	Soil vapor probes installed in collocated borings. Boring terminated at 9 ft bgs.

NOTES:

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BORING LOG

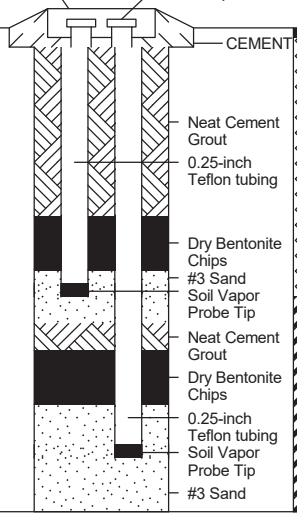
WELL NO.	LATITUDE	LONGITUDE
SVP-41	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.A.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/21/24-5/21/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, few SILT (SW) Dark brown, loose, moist, fine to coarse grained, subangular sand and gravel, well graded, no plasticity (30, 40, 10, 20)			
5		**CLAY, little SAND, few SILT (CH)** Black, stiff, dry, fine to medium grained, subangular sand, well graded, low plasticity (0, 20, 0, 80)			5
					Soil vapor probes installed in collocated borings.
					Boring terminated at 9 ft bgs.

NOTES:

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BORING LOG

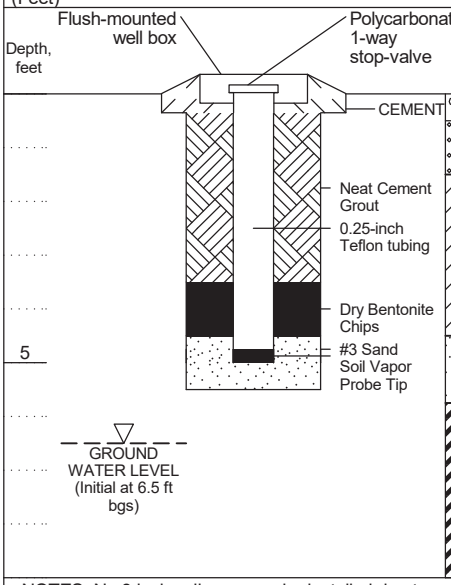
WELL NO.	LATITUDE	LONGITUDE
SVP-45	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/28/24-5/28/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Light brown, loose, dry, fine to coarse grained, well graded (25, 50, 10, 15)		7.9	
		CLAY, little SILT, few SAND (CL) Black/gray, medium stiff, dry, low plasticity, no odor (0, 10, 20, 70)		7.6	
5		**SAND, trace CLAY, trace SILT (SP-SC)** Dark black, loose, slightly moist, fine grained, poorly graded, no odor (0, 80, 10, 10)	SVP-45-8-5.0	11.2	5
		CLAY, few SILT (CH) Dark black/gray, soft to medium stiff, moist, medium plasticity, no odor (0, 0, 15, 85) at 6 ft bgs - becomes wet		8.1	No 8' soil vapor probe installation due to groundwater encountered at 6.5 ft bgs.
				6.2	Boring terminated at 9 ft bgs.

NOTES: No 8 inch soil vapor probe installed due to groundwater at 6.5 bgs

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

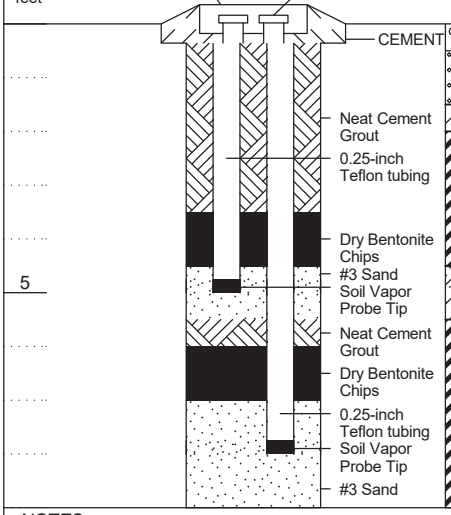
WELL NO.	LATITUDE	LONGITUDE
SVP-52	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **D.B.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded (30, 50, 10, 10)		6.3	
		CLAY, little SAND, few SILT (CL) Light gray, soft, dry, fine grained, low plasticity, no odor (0, 20, 10, 70)		8.0	
		CLAY, few SILT (CH) Light gray/black, medium stiff, dry, medium plasticity, no odor (0, 0, 10, 90)			
5		**CLAYEY SAND, trace SILT (SC)** Black, loose to medium dense, moist, fine grained, no odor (0, 60, 5, 35)		8.2	5
		CLAY, few SILT (CH) Dark gray/black, medium stiff to stiff, dry, medium plasticity, no odor (0, 0, 10, 90)			
				5.1	Soil vapor probes installed in collocated borings.
				5.3	Boring terminated at 9 ft bgs.

NOTES:

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE
SVP-53-5	**Not Measured**	**Not Measured**

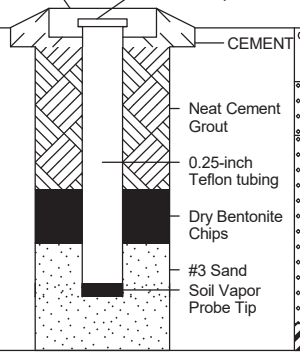
PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.C.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: GROUND SURFACE TOP OF CASING (Feet)

GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, trace SILT, few CLAY (SW-SC) Light brown, loose, moist, fine to coarse grained, subangular sand and gravel, well graded, non-plastic (25, 55, 5, 10)		5.3	
				6.2	
		GRAVELY SAND, with CLAY (SW) Brown/black with red mottling, loose, dry, fine to coarse grained, subangular sand and gravel, non-plastic (25, 65, 0, 10)	SVP-53-5-4.0	6.0	
				10.2	
5					5
				8.7	Boring terminated at 6.0 ft bgs.
		CLAY, trace SILT (CH) Black, medium stiff, moist, subangular sand and gravel, poorly graded, plastic (0, 0, 5, 95)		8.4	

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

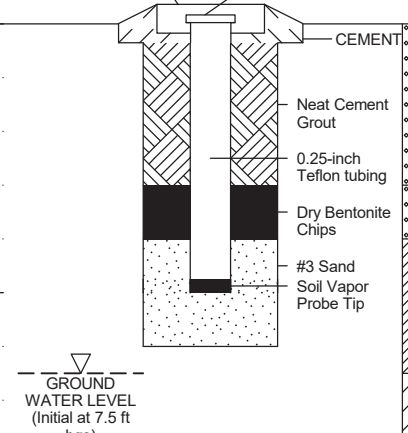
WELL NO.	LATITUDE	LONGITUDE
SVP-57	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.C.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/24/24-5/24/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		GRAVELY SAND, trace SILT (SW) Reddish brown, very loose, dense, subangular sand and gravel, well graded, non-plastic (40, 55, 5, 0)			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, trace fine SILT and CLAY (SW-SC) Black, medium dense, dry, subangular sand and gravel, well graded, non-plastic (35, 55, 5, 5)			
5		**GRAVELY CLAY with SAND (CL-ML)** Black, medium stiff, dense, subangular sand and gravel, well graded, non-plastic (30, 20, 0, 50)			5
		SANDY CLAY (CL) Black, medium stiff, moist to wet, subangular sand and gravel, non-plastic (0, 35, 0, 65) from 7.5 to 9 ft bgs - becomes wet			No 8' soil vapor probe installation due to groundwater encountered at 7.5 ft bgs.
					Boring terminated at 9 ft bgs

NOTES: No 8 inch soil vapor probe installed due to groundwater at 7.5 bgs

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BORING LOG

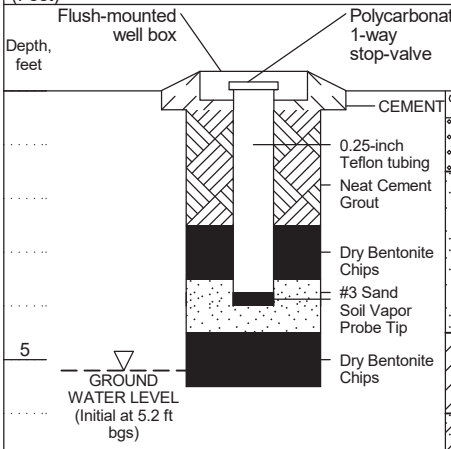
WELL NO.	LATITUDE	LONGITUDE
SVP-61	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.C.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded, no odor (30, 50, 10, 10)		2.8	
		SAND, little SILT (SP-SM) Dark black, loose, dry, very fine to fine grained, poorly graded, (0, 80, 20, 0)		11.2	
5		**SANDY CLAY, trace SILT (CL)** Black/light gray, loose to medium dense, moist, fine grained, poorly sorted, medium plasticity (0, 35, 5, 60) at 5.2 ft bgs - becomes wet		4.8	5
		CLAYEY SAND (SC) Light gray, medium dense, wet, fine grained, poorly graded (0, 70, 0, 30)			No 8' soil vapor probe installation due to groundwater encountered at 5.2 ft bgs.
					Boring terminated at 9 ft bgs.

NOTES: No 8 inch soil vapor probe installed due to groundwater at 5.2 bgs

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

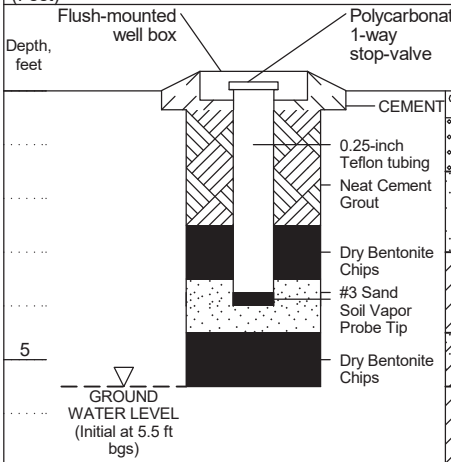
WELL NO.	LATITUDE	LONGITUDE
SVP-62	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET**
APPROVED BY: **J.O.** / LOGGED BY: **J.C.**	**OAKLAND, CALIFORNIA**
DRILLING CONTRACTOR/DRILLER: **Cascade Drilling**	

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/29/24-5/29/24**

CASING MAT./DIA.: **Nylaflow/0.25" /** | SCREEN: TYPE MAT. TOTAL LENGTH **0.5** ft DIA. **0.25"** SLOT SIZE

ELEVATION OF: (Feet) GROUND SURFACE TOP OF CASING | GRAVEL PACK SIZES: **#3 sand**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, few CLAY, few SILT (SW-SC) Brown, loose, dry, fine to coarse grained, well graded, no odor (30, 50, 10, 10)		8.8	
		SAND, little SILT (SP-SM) Black, loose, dry, very fine to fine grained, poorly graded, no odor (0, 80, 20, 0)		8.7	
		CLAY, little SILT (CL) Dark black, medium stiff, dry, low plasticity, slight odor (0, 0, 20, 80)			
5		**CLAYEY SAND (SC)** Light brown/gray, loose to medium dense, moist, fine grained, poorly graded (0, 80, 0, 20)		5.3	5
		CLAY, little SILT (CL) Black, medium stiff, wet, low plasticity, slight odor (0, 0, 20, 80)			No 8' soil vapor probe installation due to groundwater encountered at 5.5 ft bgs.
		CLAYEY SAND (SC) Light brown/gray, loose to medium dense, wet, fine grained, poorly graded, non-plastic, no odor (0, 80, 0, 20)			Boring terminated at 9 ft bgs

NOTES: No 8 inch soil vapor probe installed due to groundwater at 5.5 bgs

ROUX
5150 E. Pacific Coast Highway, Suite 450
Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE
UC-A2-1	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1793.0030S000 / DUKE REALTY FOUNDRY LP	**AB&I - 7825 SAN LEANDRO STREET OAKLAND, CALIFORNIA**

APPROVED BY	LOGGED BY
J.O.	**J.A.**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling

DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Encountered**	**Neat Cement Grout**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little SILT (SW-SC) Light gray, very loose, dry, fine to medium grained subangular sand and gravel, well graded (35, 40, 25, 0)	UC-A2-1- 1.0	2.9	
		at 1.7 ft bgs - some clay	UC-A2-1-2.0	3.7	
		CLAYEY SAND, little GRAVEL, few SILT (SC) Dark brown, medium dense, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (20, 40, 10, 30)	UC-A2-1-3.0	2.6	
		at 2.1 ft bgs - becomes soft			
		CLAY, little SAND (CH) Black, soft, dry, fine to medium grained, subangular sand, poorly graded, medium to high plasticity (0, 20, 0, 80)	UC-A2-1-4.0	4.6	
5			UC-A2-1-5.0	2.1	5
			UC-A2-1-8.0	3.6	
		SANDY CLAY, little GRAVEL and SILT (CL) Orange brown, medium stiff, dry, fine to coarse grained, subangular sand and gravel, well graded, low plasticity (15, 35, 15, 45)			
10			UC-A2-1-10.0	4.1	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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Long Beach, California 90804
Telephone: (310) 879 - 4900

BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
UC-A3-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/20/24-5/20/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SILTY GRAVEL, few SAND (GM) Light gray, very loose, dry, fine to medium grained, subangular sand and gravel, well graded (60, 10, 30, 0)	UC-A3-1-1.0	2.6	
		at 1.0 ft bgs - color change to brown	UC-A3-1-2.0	4.8	
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Gray, medium dense, moist, medium to coarse grained, subangular sand and gravel, well graded, low plasticity (30, 50, 5, 15)	UC-A3-1-3.0	4.4	
			UC-A3-1-4.0	4.6	
5					5
				2.1	
		at 5.4 ft bgs - sitcky feeling, similar to bentonite			
		CLAY, little SAND (CH) Black, very stiff, dry, fine to medium grained, subangular sand, poorly graded, medium to high plasticity (0, 20, 0, 80)			
			UC-A3-1-8.0	3.4	
10		at 9.5 ft bgs - becomes dense, moist sand	UC-A3-1-10.0	3.5	Boring terminated at 10 ft bgs 10

NOTES: Drillers felt a void from about 2 to 3 feet, able to push down without force from the hammer

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BORING LOG

WELL NO.	LATITUDE	LONGITUDE		
UC-B4-2	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**D.B.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/23/24-5/23/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		GRAVELY SAND, little CLAY, trace SILT (SW-SC) Light brown, loose, dry, fine grained, subangular sand and gravel, non-plastic (25, 50, 5, 20)	UC-B4-2-1.0	14.9	
		SAND, little SILT (SP-SM) Dark black, loose, dry, very fine to fine grained, poorly graded, slight odor (0, 80, 20, 0)	UC-B4-2-2.0	15.7	
			UC-B4-2-3.0	22.3	
		CLAY, little SILT (CL) Dark brown/black, medium stiff to stiff, dry, very fine grained with few sand, non-plastic to low plasticity (0, 10, 25, 65)	UC-B4-2-4.0	13.2	
5			UC-B4-2-5.0	16.2	5
		CLAY, little SILT (CL) Dark brown/black, medium stiff, dry, low to medium plasticity (0, 0, 15, 85)	UC-B4-2-8.0	6.4	
10			UC-B4-2-10.0	6.1	Boring terminated at 10 ft bgs 10

NOTES:

BORING/FEET 1793.0030S000 BORING LOGS - MGRWORKING.GPJ ROUX.GDT 9/6/24

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BORING LOG

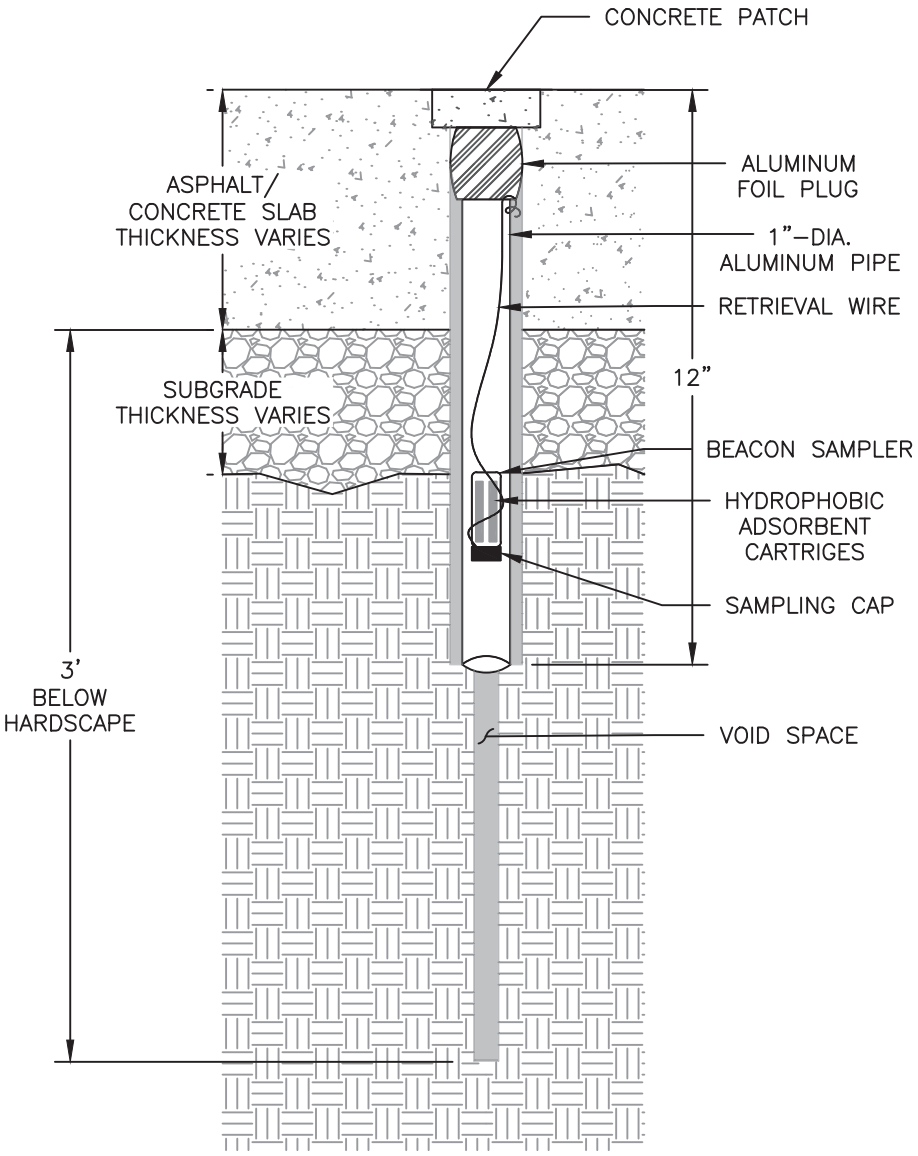
WELL NO.	LATITUDE	LONGITUDE		
UC-H1-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1793.0030S000 / DUKE REALTY FOUNDRY LP		**AB&I - 7825 SAN LEANDRO STREET**		
APPROVED BY	LOGGED BY	**OAKLAND, CALIFORNIA**		
J.O.	**J.A.**			
DRILLING CONTRACTOR/DRILLER				
Cascade Drilling				
DRILL BIT TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
DPT	**2.25-inches**	**Geoprobe 6011**	**Acetate Liner**	**5/30/24-5/30/24**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Encountered**	**Neat Cement Grout**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			(X, X, X, X) corresponds to (% Gravel, % Sand, % Silt, % Clay). bgs = below ground surface. Density estimates not intended for geotechnical purposes. ft bgs = feet below ground surface.
		SANDY CLAY, little GRAVEL, few SILT (CH) Black, soft, dry, fine to medium grained, subangular sand and gravel, well graded, medium to high plasticity (15, 30, 10, 45)	UC-H1-1-1.0	2.6	
		at 2 ft bgs - gas odor	UC-H1-1-2.0	22.3	
		from 2.9 to 3.0 ft bgs - large pieces of gravel content	UC-H1-1-3.0	1.7	
		SAND, little CLAY, few SILT, trace GRAVEL (SW-SC) Brown, dense, dry, fine to medium grained, subangular sand and gravel, well graded, low plasticity (5, 60, 10, 25)	UC-H1-1-4.0	3	
5		**CLAY, little SAND, few SILT, trace GRAVEL (CH)** Black, stiff, dry, fine to medium grained, subangular sand and gravel, well graded, medium to high plasticity (5, 25, 10, 60)	UC-H1-1-5.0	3	
			UC-H1-1-8.0	0.8	
		at 9 ft bgs - color changes to gray with orange mottling			
10			UC-H1-1-10.0	0.5	Boring terminated at 10 ft bgs

NOTES:

APPENDIX G

Passive Soil Vapor Sampler Construction Detail



Title:

PASSIVE SOIL VAPOR SAMPLER CONSTRUCTION DETAIL

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: H.R.	Date: 04OCT2023	FIGURE
Prepared by: E.T.	Scale: AS SHOWN	G-5
Project Mgr: H.R.	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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APPENDIX H

Laboratory Analytical Reports & Chain-of-Custody Records

DATA VALIDATION REPORT

Date:	September 16, 2024
Project Name:	American Brass and Iron (AB&I) Foundry
Laboratory:	Beacon Environmental
Lab Job Number:	7787
Sample Media:	Passive Soil Vapor
Samples:	All sample IDs in the report

Data review was performed for the data package generated by Beacon Environmental for samples collected at American Brass and Iron (AB&I) Foundry at 7825 San Leandro Street in Oakland, CA in April 2024.

The data validation was done in accordance with Department of Defense (DOD)[1][2] United States Environmental Protection Agency (USEPA)[3] [4] validation documents and included the following items:

- Data deliverable completeness
- Laboratory case narratives
- Chain of custody documentation
- Holding times
- Limit of quantification
- Control Samples
    - Blank spiked and trip blanks
    - Method Blanks
    - Field duplicate samples

The items above that have issues potentially affecting data usability are discussed in this report.

Data Deliverable Completeness

Complete deliverable data packages were provided by the laboratory, which included reporting forms necessary to validate the reported analytical results. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative. The laboratory submitted all required deliverables. Sample results and related quality control data were received as data sheet (e.g., excel). Electronic data were verified against the laboratory report; no errors were found.

Laboratory Case Narratives

The laboratory case narratives included in the report detail how the issue of high concentrations was addressed. Specifically, the narratives explain the corrective actions taken, including the appropriate

[1] USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS*. 11/09/2022.
[2] *USDOD, Environmental Data Quality Workgroup. Data Validation Guidelines Module 4: Data Validation Procedure for Organic Analysis by GC*
[3] USEPA. *National Functional Guidelines for Inorganic Superfund Method Data Review.* EPA 542-R-20-006. November, 2020.
[4] USEPA. *National Functional Guidelines for Organic Superfund Method Data Review.* EPA 540-R-20-005.

dilution steps for real samples and considerations for the limit of quantification (LOQ). All necessary adjustments were accounted for to ensure accurate results. The narratives also confirmed that all samples were delivered to the laboratory at the correct temperature, in the proper container, and with the appropriate preservatives.

Chain of Custody Documentation

Sample identification (ID) numbers listed on the chain-of-custody record are consistent with the sample ID reported in the Analytical laboratory reports.

Sample Receipt/Holding Times

All samples were analyzed within the holding times for the requested analytical methods.

Limits of Quantitation

All limits of quantitation (LOQs) are below the project environmental screening levels and all analytes are detectable at concentrations lower than the screening level.

Quality Control Samples

The method blanks had no contamination. The relative percent difference (RPD) for lab control sample (LCS) and duplicate (LCSD) was within the recommended limit. The spike recovery rates of all tested samples were within the recommended limit; however, there were some analytes with high spike recovery rates due to matrix interferences but should be accepted because the associated field samples had no detected concentrations.

The table below shows the RPDs for the field primary sample and its respective duplicate collected from sample location PSG-10A. The RPD values presented below indicate that the variability of benzene in passive soil vapor was higher than 20%. Because the concentrations were higher than the LOQ but lower than five times the LOQ and the absolute difference between the primary and duplicate samples is less than the LOQ, the limits for RPDs do not apply based on EPA guidelines[5].

Analyte	PSG-10A	DUP-01	RPD (%)	LOQ
Benzene	3.46	2.79	21.4	2.19

Notes:
All concentrations in micrograms per cubic meter
% = percent
LOQ = Limit of quantitation
RPD = Relative percent difference

The table below shows the PRDs for the field primary and its respective duplicate collected from sample location PSG-62A. The PRD values presented below indicate that the variability of select compounds in passive soil vapor was higher than 20%. Concentrations of benzene, trichloroethene, tetrachloroethene, toluene, p & m-xylene, and o-xylene have an RPD greater than 20%, their concentrations are greater than five times the LOQ, and their absolute differences between primary and duplicate samples are greater than the LOQ. For these reasons, these results should be flagged as estimated (J). Concentrations of cis-1,2-dichloroethene, ethylbenzene, 1,3,5-trimethylbenzene, and total petroleum hydrocarbons C4-C9 in passive soil vapor exceed 20%, however, because the concentrations were higher than the LOQ but lower than five times the LOQ and the absolute difference between the primary and duplicate samples is less than the LOQ, the limits for RPDs do not apply based on EPA guidelines.

[5] USEPA. *National Functional Guidelines for Organic Superfund Method Data Review.* EPA 540-R-20-005.

Analyte	PSG-62A	DUP-02	RPD (%)	LOQ
Benzene	18.4	5.29	111	2.23
cis-1,2-Dichloroethene	1.6	<0.89	57	0.89
TCE	92.1	53.9	52.3	1.43
Toluene	16.8	4.56	115	2.95
PCE	54.6	21.8	85.9	1.15
Ethylbenzene	1.98	<1.39	35	1.39
p & m-Xylene	5.12	2.23	78.6	1.34
o-Xylene	4.18	1.57	90.8	1.34
1,3,5-Trimethylbenzene	5.25	4.2	22.2	1.42
TPH C4-C9	763	<400	62.4	400

Notes:
Yellow highlight = RPD and LOQ values exceed acceptable limits. Values should be considered estimates.
All concentrations in micrograms per cubic meter
% = percent
LOQ = Limit of quantitation
PCE = Tetrachloroethene
RPD = Relative percent difference
TCE = Trichloroethene
TPH = Total petroleum hydrocarbons

Overall Assessment

Based on high RPDs in samples PSG-62A and DUP-02, concentrations of benzene, benzene, trichloroethene, tetrachloroethene, toluene, p & m-xylene, and o-xylene should be qualified as estimates (J) for these samples.

There were no other issues identified that would require additional qualifiers for the data.

If you have any questions regarding this data validation report, please contact Michael Friedman at 415-967-6000.

Regards,

Michael Friedman, PG
Senior Geologist II

Beacon Environmental
526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 240216R01

Laboratory Work Order: 0007787

Project Description:
Former AB&I Foundry
Oakland, CA

Client PO No.: 1793.0030

Prepared for:
Josh Osborne
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607

Ryan W. Schneider
Senior Project Manager

June 14, 2024

All data meet requirements as specified in the Beacon Environmental Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with ∉ are not included in Beacon's scope of accreditation and all samples were analyzed within a 24-hour tune window. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

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526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007787-01	Trip-1	06/06/2024	EPA 8260C	Air
Sampler Type:	Beacon Passive Sampler			
0007787-02	PSG-10A	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-03	DUP-01	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-04	PSG-10B	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-05	PSG-10C	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-06	PSG-10D	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-07	PSG-25A	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-08	PSG-25B	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-09	PSG-25C	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-10	PSG-25D	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-11	PSG-41A	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-12	PSG-41B	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-13	PSG-41C	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-14	PSG-41D	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-15	PSG-62A	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-16	DUP-02	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-17	PSG-62B	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-18	PSG-62C	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007787-19	PSG-62D	06/06/2024	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Project Completeness

Samples Received: 19
Samples Analyzed: 19

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Case Narrative

U.S. EPA Method 8260C

All samples were analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260C, with laboratory results provided in nanograms (ng) and micrograms per cubic meter ($\mu g/m^3$). Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were under BEACON's Quality Assurance Project Plan.

Passive Soil-Gas Survey Notes

If sample locations are covered with or near the edge of an impervious surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are higher than if the surfacing was not present. Therefore, the sample location conditions should be considered when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times).

Reporting Limits

The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. Beacon performed dilution analysis when results exceeded the upper calibration limit, bringing all reported results within the calibration range. The project method quantitation limit (MQL) is the limit of quantitation (LOQ) as noted in the data tables. Beacon determined uptake rates for a suite of compounds with the Beacon sampler for sampling in air. Beacon calculated the uptake rates for the remaining compounds using Graham's Law of Diffusion. The reported data includes LOQ limits.

Project Details

Samples were received in proper condition and laboratory control parameters were met unless otherwise noted below. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with ∉ are not included in Beacon's scope of accreditation and samples were analyzed within a 24-hour tune window.

End of Case Narrative

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Analytical Results

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-02 — **PSG-10A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	32		3.744	25	C24060720.D
Trichloroethene	79-01-6	16		4.228	10	C24060720.D
Tetrachloroethene	127-18-4	169		5.742	10	C24060720.D

Lab Sample ID 0007787-03 — **DUP-01** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	39		3.738	25	C24060721.D
Trichloroethene	79-01-6	17		4.228	10	C24060721.D
Tetrachloroethene	127-18-4	145		5.742	10	C24060721.D

Lab Sample ID 0007787-04 — **PSG-10B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	28		3.735	25	C24060722.D
Trichloroethene	79-01-6	21		4.222	10	C24060722.D
Tetrachloroethene	127-18-4	128		5.742	10	C24060722.D
p & m-Xylene	179601-23-1	85		6.649	25	C24060722.D
o-Xylene	95-47-6	39		6.938	25	C24060722.D

Lab Sample ID 0007787-05 — **PSG-10C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Trichloroethene	79-01-6	54		4.224	10	C24060723.D
Tetrachloroethene	127-18-4	915		5.741	10	C24060723.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-06 — **PSG-10D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Trichloroethene	79-01-6	49		4.224	10	C24060724.D
Tetrachloroethene	127-18-4	191		5.741	10	C24060724.D
p & m-Xylene	179601-23-1	43		6.649	25	C24060724.D

Lab Sample ID 0007787-07 — **PSG-25A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	162		3.738	25	C24060725.D
Toluene	108-88-3	169		5.302	25	C24060725.D
Ethylbenzene	100-41-4	28		6.549	25	C24060725.D
p & m-Xylene	179601-23-1	106		6.649	25	C24060725.D
o-Xylene	95-47-6	54		6.938	25	C24060725.D
∉TPH C4-C9		24,400		4.94	5,000	C24060725.D

Lab Sample ID 0007787-08 — **PSG-25B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	281		3.741	25	C24060726.D
Toluene	108-88-3	304		5.305	25	C24060726.D
Tetrachloroethene	127-18-4	16		5.741	10	C24060726.D
Ethylbenzene	100-41-4	37		6.552	25	C24060726.D
p & m-Xylene	179601-23-1	85		6.649	25	C24060726.D
o-Xylene	95-47-6	47		6.941	25	C24060726.D
∉TPH C4-C9		131,000		4.94	5,000	C24060726.D
∉TPH C10-C15		98,800		8.339	5,000	C24060726.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-09 — **PSG-25C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	97		3.738	25	C24060727.D
Toluene	108-88-3	79		5.302	25	C24060727.D
Tetrachloroethene	127-18-4	91		5.742	10	C24060727.D
p & m-Xylene	179601-23-1	114		6.649	25	C24060727.D
o-Xylene	95-47-6	54		6.938	25	C24060727.D
1,3,5-Trimethylbenzene	108-67-8	31		7.642	25	C24060727.D
1,2,4-Trimethylbenzene	95-63-6	104		7.896	25	C24060727.D
Naphthalene	91-20-3	80		9.583	25	C24060727.D
2-Methylnaphthalene	91-57-6	35		10.27	25	C24060727.D

Lab Sample ID 0007787-10 — **PSG-25D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	88		3.738	25	C24060728.D
Trichloroethene	79-01-6	17		4.225	10	C24060728.D
Toluene	108-88-3	59		5.302	25	C24060728.D
Tetrachloroethene	127-18-4	173		5.742	10	C24060728.D
p & m-Xylene	179601-23-1	63		6.649	25	C24060728.D
o-Xylene	95-47-6	44		6.935	25	C24060728.D
≠TPH C4-C9		30,200		4.94	5,000	C24060728.D
≠TPH C10-C15		15,500		8.339	5,000	C24060728.D

Lab Sample ID 0007787-11 — **PSG-41A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	71		3.738	25	C24060729.D

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555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-12

PSG-41B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	67		2.164	10	C24060730.D
trans-1,2-Dichloroethene	156-60-5	55		2.566	10	C24060730.D
cis-1,2-Dichloroethene	156-59-2	289		3.166	10	C24060730.D
Benzene	71-43-2	30		3.741	25	C24060730.D
Trichloroethene	79-01-6	9,750		4.225	10	C24060730.D
Tetrachloroethene	127-18-4	162		5.742	10	C24060730.D

Lab Sample ID 0007787-13

PSG-41C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	25		2.164	10	C24060731.D
trans-1,2-Dichloroethene	156-60-5	30		2.569	10	C24060731.D
cis-1,2-Dichloroethene	156-59-2	188		3.166	10	C24060731.D
Benzene	71-43-2	30		3.738	25	C24060731.D
Trichloroethene	79-01-6	4,820		4.225	10	C24060731.D

Lab Sample ID 0007787-14

PSG-41D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	130		2.164	10	C24060732.D
trans-1,2-Dichloroethene	156-60-5	67		2.569	10	C24060732.D
cis-1,2-Dichloroethene	156-59-2	367		3.166	10	C24060732.D
Benzene	71-43-2	51		3.738	25	C24060732.D
Trichloroethene	79-01-6	37,600	D	4.224	191	C24061005.D
Tetrachloroethene	127-18-4	14		5.742	10	C24060732.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-15 — **PSG-62A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
cis-1,2-Dichloroethene	156-59-2	18		3.163	10	C24060733.D
Benzene	71-43-2	206		3.741	25	C24060733.D
Trichloroethene	79-01-6	644		4.225	10	C24060733.D
Toluene	108-88-3	142		5.302	25	C24060733.D
Tetrachloroethene	127-18-4	474		5.742	10	C24060733.D
Ethylbenzene	100-41-4	36		6.552	25	C24060733.D
p & m-Xylene	179601-23-1	96		6.649	25	C24060733.D
o-Xylene	95-47-6	78		6.938	25	C24060733.D
1,3,5-Trimethylbenzene	108-67-8	92		7.642	25	C24060733.D
1,2,4-Trimethylbenzene	95-63-6	167		7.896	25	C24060733.D
1,4-Dichlorobenzene	106-46-7	28		8.147	10	C24060733.D
1,2-Dichlorobenzene	95-50-1	62		8.383	10	C24060733.D
Naphthalene	91-20-3	17,800	D	9.583	8,550	C24061010.D
2-Methylnaphthalene	91-57-6	13,400	D	10.273	476	C24061006.D
∉TPH C4-C9		9,540		4.94	5,000	C24060733.D
∉TPH C10-C15		23,600		8.339	5,000	C24060733.D

Lab Sample ID 0007787-16 — **DUP-02** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	59		3.738	25	C24060734.D
Trichloroethene	79-01-6	377		4.225	10	C24060734.D
Toluene	108-88-3	39		5.302	25	C24060734.D
Tetrachloroethene	127-18-4	189		5.742	10	C24060734.D
p & m-Xylene	179601-23-1	42		6.649	25	C24060734.D
o-Xylene	95-47-6	29		6.938	25	C24060734.D
1,3,5-Trimethylbenzene	108-67-8	74		7.642	25	C24060734.D
1,2,4-Trimethylbenzene	95-63-6	144		7.896	25	C24060734.D
1,4-Dichlorobenzene	106-46-7	26		8.147	10	C24060734.D
1,2-Dichlorobenzene	95-50-1	53		8.38	10	C24060734.D
Naphthalene	91-20-3	20,500	D	9.582	8,550	C24061011.D
2-Methylnaphthalene	91-57-6	15,500	D	10.274	476	C24061007.D
∉TPH C10-C15		24,300		8.339	5,000	C24060734.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Mass

Lab Sample ID 0007787-17 — **PSG-62B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	22		2.161	10	C24060735.D
trans-1,2-Dichloroethene	156-60-5	167		2.566	10	C24060735.D
cis-1,2-Dichloroethene	156-59-2	299		3.166	10	C24060735.D
Benzene	71-43-2	32		3.738	25	C24060735.D
Trichloroethene	79-01-6	2,410		4.225	10	C24060735.D
1,4-Dioxane	123-91-1	14		4.479	10	C24060735.D
Tetrachloroethene	127-18-4	32		5.742	10	C24060735.D
p & m-Xylene	179601-23-1	42		6.649	25	C24060735.D
Naphthalene	91-20-3	279		9.583	25	C24060735.D
2-Methylnaphthalene	91-57-6	119		10.27	25	C24060735.D
℄TPH C4-C9		8,470		4.94	5,000	C24060735.D

Lab Sample ID 0007787-18 — **PSG-62C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
cis-1,2-Dichloroethene	156-59-2	22		3.163	10	C24060736.D
Benzene	71-43-2	53		3.741	25	C24060736.D
Trichloroethene	79-01-6	1,040		4.225	10	C24060736.D
1,4-Dioxane	123-91-1	13		4.479	10	C24060736.D
Toluene	108-88-3	33		5.299	25	C24060736.D
Tetrachloroethene	127-18-4	24		5.742	10	C24060736.D
Naphthalene	91-20-3	121		9.583	25	C24060736.D
2-Methylnaphthalene	91-57-6	40		10.274	25	C24060736.D

Lab Sample ID 0007787-19 — **PSG-62D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	118		2.164	10	C24060737.D
trans-1,2-Dichloroethene	156-60-5	118		2.566	10	C24060737.D
cis-1,2-Dichloroethene	156-59-2	523		3.166	10	C24060737.D
Benzene	71-43-2	95		3.738	25	C24060737.D
Trichloroethene	79-01-6	45,000	D	4.225	191	C24061008.D
Toluene	108-88-3	48		5.302	25	C24060737.D
Tetrachloroethene	127-18-4	2,610		5.741	10	C24060737.D

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Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-02 — **PSG-10A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	2.79		3.744	2.19	C24060720.D
Trichloroethene	79-01-6	2.22		4.228	1.41	C24060720.D
Tetrachloroethene	127-18-4	19.1		5.742	1.13	C24060720.D

Lab Sample ID 0007787-03 — **DUP-01** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	3.46		3.738	2.19	C24060721.D
Trichloroethene	79-01-6	2.40		4.228	1.41	C24060721.D
Tetrachloroethene	127-18-4	16.5		5.742	1.13	C24060721.D

Lab Sample ID 0007787-04 — **PSG-10B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	2.43		3.735	2.21	C24060722.D
Trichloroethene	79-01-6	2.95		4.222	1.42	C24060722.D
Tetrachloroethene	127-18-4	14.6		5.742	1.14	C24060722.D
p & m-Xylene	179601-23-1	4.53		6.649	1.33	C24060722.D
o-Xylene	95-47-6	2.08		6.938	1.33	C24060722.D

Lab Sample ID 0007787-05 — **PSG-10C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Trichloroethene	79-01-6	7.58		4.224	1.40	C24060723.D
Tetrachloroethene	127-18-4	103		5.741	1.13	C24060723.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
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Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-06 — **PSG-10D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Trichloroethene	79-01-6	6.90		4.224	1.42	C24060724.D
Tetrachloroethene	127-18-4	21.8		5.741	1.14	C24060724.D
p & m-Xylene	179601-23-1	2.26		6.649	1.33	C24060724.D

Lab Sample ID 0007787-07 — **PSG-25A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	14.3		3.738	2.22	C24060725.D
Toluene	108-88-3	19.8		5.302	2.94	C24060725.D
Ethylbenzene	100-41-4	1.57		6.549	1.38	C24060725.D
p & m-Xylene	179601-23-1	5.67		6.649	1.34	C24060725.D
o-Xylene	95-47-6	2.90		6.938	1.34	C24060725.D
∉TPH C4-C9		1,940		4.94	398	C24060725.D

Lab Sample ID 0007787-08 — **PSG-25B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	25.0		3.741	2.22	C24060726.D
Toluene	108-88-3	35.7		5.305	2.94	C24060726.D
Tetrachloroethene	127-18-4	1.88		5.741	1.15	C24060726.D
Ethylbenzene	100-41-4	2.07		6.552	1.38	C24060726.D
p & m-Xylene	179601-23-1	4.52		6.649	1.34	C24060726.D
o-Xylene	95-47-6	2.50		6.941	1.34	C24060726.D
∉TPH C4-C9		10,400		4.94	398	C24060726.D
∉TPH C10-C15		6,730		8.339	341	C24060726.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-09 — **PSG-25C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	8.57		3.738	2.21	C24060727.D
Toluene	108-88-3	9.23		5.302	2.93	C24060727.D
Tetrachloroethene	127-18-4	10.4		5.742	1.15	C24060727.D
p & m-Xylene	179601-23-1	6.06		6.649	1.33	C24060727.D
o-Xylene	95-47-6	2.90		6.938	1.33	C24060727.D
1,3,5-Trimethylbenzene	108-67-8	1.77		7.642	1.41	C24060727.D
1,2,4-Trimethylbenzene	95-63-6	5.86		7.896	1.41	C24060727.D
Naphthalene	91-20-3	4.71		9.583	1.47	C24060727.D
2-Methylnaphthalene	91-57-6	2.17		10.27	1.54	C24060727.D

Lab Sample ID 0007787-10 — **PSG-25D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	7.75		3.738	2.21	C24060728.D
Trichloroethene	79-01-6	2.47		4.225	1.42	C24060728.D
Toluene	108-88-3	6.86		5.302	2.93	C24060728.D
Tetrachloroethene	127-18-4	19.8		5.742	1.14	C24060728.D
p & m-Xylene	179601-23-1	3.35		6.649	1.33	C24060728.D
o-Xylene	95-47-6	2.37		6.935	1.33	C24060728.D
℄TPH C4-C9		2,400		4.94	397	C24060728.D
℄TPH C10-C15		1,060		8.339	340	C24060728.D

Lab Sample ID 0007787-11 — **PSG-41A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	6.23		3.738	2.18	C24060729.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-12 — **PSG-41B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	9.41		2.164	1.40	C24060730.D
trans-1,2-Dichloroethene	156-60-5	5.74		2.566	1.05	C24060730.D
cis-1,2-Dichloroethene	156-59-2	25.2		3.166	0.87	C24060730.D
Benzene	71-43-2	2.62		3.741	2.18	C24060730.D
Trichloroethene	79-01-6	1,370		4.225	1.40	C24060730.D
Tetrachloroethene	127-18-4	18.3		5.742	1.13	C24060730.D

Lab Sample ID 0007787-13 — **PSG-41C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	3.50		2.164	1.40	C24060731.D
trans-1,2-Dichloroethene	156-60-5	3.19		2.569	1.05	C24060731.D
cis-1,2-Dichloroethene	156-59-2	16.5		3.166	0.87	C24060731.D
Benzene	71-43-2	2.61		3.738	2.19	C24060731.D
Trichloroethene	79-01-6	677		4.225	1.40	C24060731.D

Lab Sample ID 0007787-14 — **PSG-41D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	18.2		2.164	1.41	C24060732.D
trans-1,2-Dichloroethene	156-60-5	7.02		2.569	1.05	C24060732.D
cis-1,2-Dichloroethene	156-59-2	32.1		3.166	0.88	C24060732.D
Benzene	71-43-2	4.48		3.738	2.19	C24060732.D
Trichloroethene	79-01-6	5,280	D	4.224	26.8	C24061005.D
Tetrachloroethene	127-18-4	1.54		5.742	1.13	C24060732.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-15 — **PSG-62A** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
cis-1,2-Dichloroethene	156-59-2	1.60		3.163	0.89	C24060733.D
Benzene	71-43-2	18.4		3.741	2.23	C24060733.D
Trichloroethene	79-01-6	92.1		4.225	1.43	C24060733.D
Toluene	108-88-3	16.8		5.302	2.95	C24060733.D
Tetrachloroethene	127-18-4	54.6		5.742	1.15	C24060733.D
Ethylbenzene	100-41-4	1.98		6.552	1.39	C24060733.D
p & m-Xylene	179601-23-1	5.12		6.649	1.34	C24060733.D
o-Xylene	95-47-6	4.18		6.938	1.34	C24060733.D
1,3,5-Trimethylbenzene	108-67-8	5.25		7.642	1.42	C24060733.D
1,2,4-Trimethylbenzene	95-63-6	9.50		7.896	1.42	C24060733.D
1,4-Dichlorobenzene	106-46-7	1.79		8.147	0.63	C24060733.D
1,2-Dichlorobenzene	95-50-1	3.93		8.383	0.63	C24060733.D
Naphthalene	91-20-3	1,050	D	9.583	505	C24061010.D
2-Methylnaphthalene	91-57-6	832	D	10.273	29.6	C24061006.D
∉TPH C4-C9		763		4.94	400	C24060733.D
∉TPH C10-C15		1,610		8.339	342	C24060733.D

Lab Sample ID 0007787-16 — **DUP-02** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	5.29		3.738	2.23	C24060734.D
Trichloroethene	79-01-6	53.9		4.225	1.43	C24060734.D
Toluene	108-88-3	4.56		5.302	2.95	C24060734.D
Tetrachloroethene	127-18-4	21.8		5.742	1.15	C24060734.D
p & m-Xylene	179601-23-1	2.23		6.649	1.34	C24060734.D
o-Xylene	95-47-6	1.57		6.938	1.34	C24060734.D
1,3,5-Trimethylbenzene	108-67-8	4.20		7.642	1.42	C24060734.D
1,2,4-Trimethylbenzene	95-63-6	8.21		7.896	1.42	C24060734.D
1,4-Dichlorobenzene	106-46-7	1.64		8.147	0.63	C24060734.D
1,2-Dichlorobenzene	95-50-1	3.34		8.38	0.63	C24060734.D
Naphthalene	91-20-3	1,210	D	9.582	505	C24061011.D
2-Methylnaphthalene	91-57-6	964	D	10.274	29.6	C24061007.D
∉TPH C10-C15		1,660		8.339	342	C24060734.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Summary of Compound Detections- Concentration

Lab Sample ID 0007787-17 — **PSG-62B** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	3.16		2.161	1.43	C24060735.D
trans-1,2-Dichloroethene	156-60-5	17.9		2.566	1.07	C24060735.D
cis-1,2-Dichloroethene	156-59-2	26.6		3.166	0.89	C24060735.D
Benzene	71-43-2	2.87		3.738	2.23	C24060735.D
Trichloroethene	79-01-6	344		4.225	1.43	C24060735.D
1,4-Dioxane	123-91-1	1.56		4.479	1.15	C24060735.D
Tetrachloroethene	127-18-4	3.71		5.742	1.15	C24060735.D
p & m-Xylene	179601-23-1	2.27		6.649	1.34	C24060735.D
Naphthalene	91-20-3	16.5		9.583	1.48	C24060735.D
2-Methylnaphthalene	91-57-6	7.40		10.27	1.55	C24060735.D
℄TPH C4-C9		678		4.94	400	C24060735.D

Lab Sample ID 0007787-18 — **PSG-62C** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
cis-1,2-Dichloroethene	156-59-2	1.97		3.163	0.89	C24060736.D
Benzene	71-43-2	4.69		3.741	2.23	C24060736.D
Trichloroethene	79-01-6	149		4.225	1.43	C24060736.D
1,4-Dioxane	123-91-1	1.46		4.479	1.15	C24060736.D
Toluene	108-88-3	3.94		5.299	2.95	C24060736.D
Tetrachloroethene	127-18-4	2.80		5.742	1.15	C24060736.D
Naphthalene	91-20-3	7.13		9.583	1.48	C24060736.D
2-Methylnaphthalene	91-57-6	2.52		10.274	1.55	C24060736.D

Lab Sample ID 0007787-19 — **PSG-62D** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	16.9		2.164	1.43	C24060737.D
trans-1,2-Dichloroethene	156-60-5	12.6		2.566	1.07	C24060737.D
cis-1,2-Dichloroethene	156-59-2	46.6		3.166	0.89	C24060737.D
Benzene	71-43-2	8.47		3.738	2.23	C24060737.D
Trichloroethene	79-01-6	6,440	D	4.225	27.3	C24061008.D
Toluene	108-88-3	5.70		5.302	2.95	C24060737.D
Tetrachloroethene	127-18-4	301		5.741	1.15	C24060737.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
1,1-Dichloroethene	5	10	130
trans-1,2-Dichloroethene	5	10	167
cis-1,2-Dichloroethene	7	10	523
Benzene	14	25	281
Trichloroethene	12	10	45,000
1,4-Dioxane	2	10	14
Toluene	7	25	304
Tetrachloroethene	13	10	2,610
Ethylbenzene	3	25	37
p & m-Xylene	8	25	114
o-Xylene	6	25	78
1,3,5-Trimethylbenzene	2	25	92
1,2,4-Trimethylbenzene	2	25	167
1,4-Dichlorobenzene	1	10	28
1,2-Dichlorobenzene	1	10	62
Naphthalene	4	25	17,800
2-Methylnaphthalene	4	25	13,400
TPH C4-C9	5	5,000	131,000
TPH C10-C15	3	5,000	98,800

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Data Summary Table- Concentration

Compound	Frequency	LOQ (µg/m³)	Max Value (µg/m³)
1,1-Dichloroethene	5	1.40	18.2
trans-1,2-Dichloroethene	5	1.05	17.9
cis-1,2-Dichloroethene	7	0.870	46.6
Benzene	14	2.18	25.0
Trichloroethene	12	1.40	6,440
1,4-Dioxane	2	1.15	1.56
Toluene	7	2.93	35.7
Tetrachloroethene	13	1.13	301
Ethylbenzene	3	1.38	2.07
p & m-Xylene	8	1.33	6.06
o-Xylene	6	1.33	4.18
1,3,5-Trimethylbenzene	2	1.41	5.25
1,2,4-Trimethylbenzene	2	1.41	9.50
1,4-Dichlorobenzene	1	0.630	1.79
1,2-Dichlorobenzene	1	0.630	3.93
Naphthalene	4	1.47	1,050
2-Methylnaphthalene	4	1.54	832
TPH C4-C9	5	397	10,400
TPH C10-C15	3	340	6,730

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Detailed Analytical Results

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Detailed Analytical Results- Mass

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526 Underwood Lane
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-01

Trip-1

Air

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/07/2024 23:33	C24060719.D
1,1-Dichloroethene	75-35-4	<10		10	06/07/2024 23:33	C24060719.D
Methylene Chloride	75-09-2	<10		10	06/07/2024 23:33	C24060719.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/07/2024 23:33	C24060719.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/07/2024 23:33	C24060719.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/07/2024 23:33	C24060719.D
1,1-Dichloroethane	75-34-3	<10		10	06/07/2024 23:33	C24060719.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/07/2024 23:33	C24060719.D
Chloroform	67-66-3	<10		10	06/07/2024 23:33	C24060719.D
1,2-Dichloroethane	107-06-2	<10		10	06/07/2024 23:33	C24060719.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/07/2024 23:33	C24060719.D
Carbon Tetrachloride	56-23-5	<10		10	06/07/2024 23:33	C24060719.D
Benzene	71-43-2	<25		25	06/07/2024 23:33	C24060719.D
Trichloroethene	79-01-6	<10		10	06/07/2024 23:33	C24060719.D
1,4-Dioxane	123-91-1	<10		10	06/07/2024 23:33	C24060719.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/07/2024 23:33	C24060719.D
Toluene	108-88-3	<25		25	06/07/2024 23:33	C24060719.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/07/2024 23:33	C24060719.D
Tetrachloroethene	127-18-4	<10		10	06/07/2024 23:33	C24060719.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/07/2024 23:33	C24060719.D
Chlorobenzene	108-90-7	<10		10	06/07/2024 23:33	C24060719.D
Ethylbenzene	100-41-4	<25		25	06/07/2024 23:33	C24060719.D
p & m-Xylene	179601-23-1	<25		25	06/07/2024 23:33	C24060719.D
o-Xylene	95-47-6	<25		25	06/07/2024 23:33	C24060719.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/07/2024 23:33	C24060719.D
Isopropylbenzene	98-82-8	<25		25	06/07/2024 23:33	C24060719.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/07/2024 23:33	C24060719.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/07/2024 23:33	C24060719.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/07/2024 23:33	C24060719.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/07/2024 23:33	C24060719.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/07/2024 23:33	C24060719.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/07/2024 23:33	C24060719.D
Naphthalene	91-20-3	<25		25	06/07/2024 23:33	C24060719.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/07/2024 23:33	C24060719.D
2-Methylnaphthalene	91-57-6	<25		25	06/07/2024 23:33	C24060719.D
∉ TPH C4-C9		<5,000		5,000	06/07/2024 23:33	C24060719.D
∉ TPH C10-C15		<5,000		5,000	06/07/2024 23:33	C24060719.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*120%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*
Surrogate: Toluene-d8	2037-26-5	*90.4%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-02

PSG-10A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 00:04	C24060720.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 00:04	C24060720.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 00:04	C24060720.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 00:04	C24060720.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 00:04	C24060720.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 00:04	C24060720.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 00:04	C24060720.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 00:04	C24060720.D
Chloroform	67-66-3	<10		10	06/08/2024 00:04	C24060720.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 00:04	C24060720.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 00:04	C24060720.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 00:04	C24060720.D
Benzene	71-43-2	**32**		25	06/08/2024 00:04	C24060720.D
Trichloroethene	79-01-6	**16**		10	06/08/2024 00:04	C24060720.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 00:04	C24060720.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 00:04	C24060720.D
Toluene	108-88-3	<25		25	06/08/2024 00:04	C24060720.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 00:04	C24060720.D
Tetrachloroethene	127-18-4	**169**		10	06/08/2024 00:04	C24060720.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 00:04	C24060720.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 00:04	C24060720.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 00:04	C24060720.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 00:04	C24060720.D
o-Xylene	95-47-6	<25		25	06/08/2024 00:04	C24060720.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 00:04	C24060720.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 00:04	C24060720.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 00:04	C24060720.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 00:04	C24060720.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 00:04	C24060720.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 00:04	C24060720.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 00:04	C24060720.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 00:04	C24060720.D
Naphthalene	91-20-3	<25		25	06/08/2024 00:04	C24060720.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 00:04	C24060720.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 00:04	C24060720.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 00:04	C24060720.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 00:04	C24060720.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*103%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*
Surrogate: Toluene-d8	2037-26-5	*94.6%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-03

DUP-01

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 00:36	C24060721.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 00:36	C24060721.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 00:36	C24060721.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 00:36	C24060721.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 00:36	C24060721.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 00:36	C24060721.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 00:36	C24060721.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 00:36	C24060721.D
Chloroform	67-66-3	<10		10	06/08/2024 00:36	C24060721.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 00:36	C24060721.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 00:36	C24060721.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 00:36	C24060721.D
Benzene	71-43-2	**39**		25	06/08/2024 00:36	C24060721.D
Trichloroethene	79-01-6	**17**		10	06/08/2024 00:36	C24060721.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 00:36	C24060721.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 00:36	C24060721.D
Toluene	108-88-3	<25		25	06/08/2024 00:36	C24060721.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 00:36	C24060721.D
Tetrachloroethene	127-18-4	**145**		10	06/08/2024 00:36	C24060721.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 00:36	C24060721.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 00:36	C24060721.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 00:36	C24060721.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 00:36	C24060721.D
o-Xylene	95-47-6	<25		25	06/08/2024 00:36	C24060721.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 00:36	C24060721.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 00:36	C24060721.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 00:36	C24060721.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 00:36	C24060721.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 00:36	C24060721.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 00:36	C24060721.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 00:36	C24060721.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 00:36	C24060721.D
Naphthalene	91-20-3	<25		25	06/08/2024 00:36	C24060721.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 00:36	C24060721.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 00:36	C24060721.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 00:36	C24060721.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 00:36	C24060721.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*99.0%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*
Surrogate: Toluene-d8	2037-26-5	*92.0%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*
Surrogate: Bromofluorobenzene	460-00-4	*113%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-04

PSG-10B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 01:09	C24060722.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 01:09	C24060722.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 01:09	C24060722.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 01:09	C24060722.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 01:09	C24060722.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 01:09	C24060722.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 01:09	C24060722.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 01:09	C24060722.D
Chloroform	67-66-3	<10		10	06/08/2024 01:09	C24060722.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 01:09	C24060722.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 01:09	C24060722.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 01:09	C24060722.D
Benzene	71-43-2	**28**		25	06/08/2024 01:09	C24060722.D
Trichloroethene	79-01-6	**21**		10	06/08/2024 01:09	C24060722.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 01:09	C24060722.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 01:09	C24060722.D
Toluene	108-88-3	<25		25	06/08/2024 01:09	C24060722.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 01:09	C24060722.D
Tetrachloroethene	127-18-4	**128**		10	06/08/2024 01:09	C24060722.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 01:09	C24060722.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 01:09	C24060722.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 01:09	C24060722.D
p & m-Xylene	179601-23-1	**85**		25	06/08/2024 01:09	C24060722.D
o-Xylene	95-47-6	**39**		25	06/08/2024 01:09	C24060722.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 01:09	C24060722.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 01:09	C24060722.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 01:09	C24060722.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 01:09	C24060722.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 01:09	C24060722.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 01:09	C24060722.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 01:09	C24060722.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 01:09	C24060722.D
Naphthalene	91-20-3	<25		25	06/08/2024 01:09	C24060722.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 01:09	C24060722.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 01:09	C24060722.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 01:09	C24060722.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 01:09	C24060722.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*99.1%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*
Surrogate: Toluene-d8	2037-26-5	*120%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*
Surrogate: Bromofluorobenzene	460-00-4	*119%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*

526 Underwood Lane
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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-05

PSG-10C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 01:41	C24060723.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 01:41	C24060723.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 01:41	C24060723.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 01:41	C24060723.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 01:41	C24060723.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 01:41	C24060723.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 01:41	C24060723.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 01:41	C24060723.D
Chloroform	67-66-3	<10		10	06/08/2024 01:41	C24060723.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 01:41	C24060723.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 01:41	C24060723.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 01:41	C24060723.D
Benzene	71-43-2	<25		25	06/08/2024 01:41	C24060723.D
Trichloroethene	79-01-6	**54**		10	06/08/2024 01:41	C24060723.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 01:41	C24060723.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 01:41	C24060723.D
Toluene	108-88-3	<25		25	06/08/2024 01:41	C24060723.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 01:41	C24060723.D
Tetrachloroethene	127-18-4	**915**		10	06/08/2024 01:41	C24060723.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 01:41	C24060723.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 01:41	C24060723.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 01:41	C24060723.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 01:41	C24060723.D
o-Xylene	95-47-6	<25		25	06/08/2024 01:41	C24060723.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 01:41	C24060723.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 01:41	C24060723.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 01:41	C24060723.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 01:41	C24060723.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 01:41	C24060723.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 01:41	C24060723.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 01:41	C24060723.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 01:41	C24060723.D
Naphthalene	91-20-3	<25		25	06/08/2024 01:41	C24060723.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 01:41	C24060723.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 01:41	C24060723.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 01:41	C24060723.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 01:41	C24060723.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*102%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*
Surrogate: Toluene-d8	2037-26-5	*93.2%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*
Surrogate: Bromofluorobenzene	460-00-4	*110%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-06

PSG-10D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 02:15	C24060724.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 02:15	C24060724.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 02:15	C24060724.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 02:15	C24060724.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 02:15	C24060724.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 02:15	C24060724.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 02:15	C24060724.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 02:15	C24060724.D
Chloroform	67-66-3	<10		10	06/08/2024 02:15	C24060724.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 02:15	C24060724.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 02:15	C24060724.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 02:15	C24060724.D
Benzene	71-43-2	<25		25	06/08/2024 02:15	C24060724.D
Trichloroethene	79-01-6	**49**		10	06/08/2024 02:15	C24060724.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 02:15	C24060724.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 02:15	C24060724.D
Toluene	108-88-3	<25		25	06/08/2024 02:15	C24060724.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 02:15	C24060724.D
Tetrachloroethene	127-18-4	**191**		10	06/08/2024 02:15	C24060724.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 02:15	C24060724.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 02:15	C24060724.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 02:15	C24060724.D
p & m-Xylene	179601-23-1	**43**		25	06/08/2024 02:15	C24060724.D
o-Xylene	95-47-6	<25		25	06/08/2024 02:15	C24060724.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 02:15	C24060724.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 02:15	C24060724.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 02:15	C24060724.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 02:15	C24060724.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 02:15	C24060724.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 02:15	C24060724.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 02:15	C24060724.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 02:15	C24060724.D
Naphthalene	91-20-3	<25		25	06/08/2024 02:15	C24060724.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 02:15	C24060724.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 02:15	C24060724.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 02:15	C24060724.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 02:15	C24060724.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.6%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*
Surrogate: Toluene-d8	2037-26-5	*108%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-07

PSG-25A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 02:47	C24060725.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 02:47	C24060725.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 02:47	C24060725.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 02:47	C24060725.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 02:47	C24060725.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 02:47	C24060725.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 02:47	C24060725.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 02:47	C24060725.D
Chloroform	67-66-3	<10		10	06/08/2024 02:47	C24060725.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 02:47	C24060725.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 02:47	C24060725.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 02:47	C24060725.D
Benzene	71-43-2	**162**		25	06/08/2024 02:47	C24060725.D
Trichloroethene	79-01-6	<10		10	06/08/2024 02:47	C24060725.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 02:47	C24060725.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 02:47	C24060725.D
Toluene	108-88-3	**169**		25	06/08/2024 02:47	C24060725.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 02:47	C24060725.D
Tetrachloroethene	127-18-4	<10		10	06/08/2024 02:47	C24060725.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 02:47	C24060725.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 02:47	C24060725.D
Ethylbenzene	100-41-4	**28**		25	06/08/2024 02:47	C24060725.D
p & m-Xylene	179601-23-1	**106**		25	06/08/2024 02:47	C24060725.D
o-Xylene	95-47-6	**54**		25	06/08/2024 02:47	C24060725.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 02:47	C24060725.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 02:47	C24060725.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 02:47	C24060725.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 02:47	C24060725.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 02:47	C24060725.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 02:47	C24060725.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 02:47	C24060725.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 02:47	C24060725.D
Naphthalene	91-20-3	<25		25	06/08/2024 02:47	C24060725.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 02:47	C24060725.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 02:47	C24060725.D
∉ **TPH C4-C9**		**24,400**		5,000	06/08/2024 02:47	C24060725.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 02:47	C24060725.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*115%*	*70-130*		*06/08/2024 02:47*	*C24060725.D*
Surrogate: Toluene-d8	2037-26-5	*194%*	*70-130*	*S4*	*06/08/2024 02:47*	*C24060725.D*
Surrogate: Bromofluorobenzene	460-00-4	*118%*	*70-130*		*06/08/2024 02:47*	*C24060725.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-08

PSG-25B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 03:20	C24060726.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 03:20	C24060726.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 03:20	C24060726.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 03:20	C24060726.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 03:20	C24060726.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 03:20	C24060726.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 03:20	C24060726.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 03:20	C24060726.D
Chloroform	67-66-3	<10		10	06/08/2024 03:20	C24060726.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 03:20	C24060726.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 03:20	C24060726.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 03:20	C24060726.D
Benzene	71-43-2	**281**		25	06/08/2024 03:20	C24060726.D
Trichloroethene	79-01-6	<10		10	06/08/2024 03:20	C24060726.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 03:20	C24060726.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 03:20	C24060726.D
Toluene	108-88-3	**304**		25	06/08/2024 03:20	C24060726.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 03:20	C24060726.D
Tetrachloroethene	127-18-4	**16**		10	06/08/2024 03:20	C24060726.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 03:20	C24060726.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 03:20	C24060726.D
Ethylbenzene	100-41-4	**37**		25	06/08/2024 03:20	C24060726.D
p & m-Xylene	179601-23-1	**85**		25	06/08/2024 03:20	C24060726.D
o-Xylene	95-47-6	**47**		25	06/08/2024 03:20	C24060726.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 03:20	C24060726.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 03:20	C24060726.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 03:20	C24060726.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 03:20	C24060726.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 03:20	C24060726.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 03:20	C24060726.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 03:20	C24060726.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 03:20	C24060726.D
Naphthalene	91-20-3	<25		25	06/08/2024 03:20	C24060726.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 03:20	C24060726.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 03:20	C24060726.D
∉ **TPH C4-C9**		**131,000**		5,000	06/08/2024 03:20	C24060726.D
∉ **TPH C10-C15**		**98,800**		5,000	06/08/2024 03:20	C24060726.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.5%*	*70-130*		*06/08/2024 03:20*	*C24060726.D*
Surrogate: Toluene-d8	2037-26-5	*584%*	*70-130*	*S4*	*06/08/2024 03:20*	*C24060726.D*
Surrogate: Bromofluorobenzene	460-00-4	*148%*	*70-130*	*S4*	*06/08/2024 03:20*	*C24060726.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-09

PSG-25C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 03:52	C24060727.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 03:52	C24060727.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 03:52	C24060727.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 03:52	C24060727.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 03:52	C24060727.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 03:52	C24060727.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 03:52	C24060727.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 03:52	C24060727.D
Chloroform	67-66-3	<10		10	06/08/2024 03:52	C24060727.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 03:52	C24060727.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 03:52	C24060727.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 03:52	C24060727.D
Benzene	71-43-2	**97**		25	06/08/2024 03:52	C24060727.D
Trichloroethene	79-01-6	<10		10	06/08/2024 03:52	C24060727.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 03:52	C24060727.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 03:52	C24060727.D
Toluene	108-88-3	**79**		25	06/08/2024 03:52	C24060727.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 03:52	C24060727.D
Tetrachloroethene	127-18-4	**91**		10	06/08/2024 03:52	C24060727.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 03:52	C24060727.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 03:52	C24060727.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 03:52	C24060727.D
p & m-Xylene	179601-23-1	**114**		25	06/08/2024 03:52	C24060727.D
o-Xylene	95-47-6	**54**		25	06/08/2024 03:52	C24060727.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 03:52	C24060727.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 03:52	C24060727.D
1,3,5-Trimethylbenzene	108-67-8	**31**		25	06/08/2024 03:52	C24060727.D
1,2,4-Trimethylbenzene	95-63-6	**104**		25	06/08/2024 03:52	C24060727.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 03:52	C24060727.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 03:52	C24060727.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 03:52	C24060727.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 03:52	C24060727.D
Naphthalene	91-20-3	**80**		25	06/08/2024 03:52	C24060727.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 03:52	C24060727.D
2-Methylnaphthalene	91-57-6	**35**		25	06/08/2024 03:52	C24060727.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 03:52	C24060727.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 03:52	C24060727.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*
Surrogate: Toluene-d8	2037-26-5	*97.7%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*
Surrogate: Bromofluorobenzene	460-00-4	*123%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-10

PSG-25D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 04:24	C24060728.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 04:24	C24060728.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 04:24	C24060728.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 04:24	C24060728.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 04:24	C24060728.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 04:24	C24060728.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 04:24	C24060728.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 04:24	C24060728.D
Chloroform	67-66-3	<10		10	06/08/2024 04:24	C24060728.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 04:24	C24060728.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 04:24	C24060728.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 04:24	C24060728.D
Benzene	71-43-2	**88**		25	06/08/2024 04:24	C24060728.D
Trichloroethene	79-01-6	**17**		10	06/08/2024 04:24	C24060728.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 04:24	C24060728.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 04:24	C24060728.D
Toluene	108-88-3	**59**		25	06/08/2024 04:24	C24060728.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 04:24	C24060728.D
Tetrachloroethene	127-18-4	**173**		10	06/08/2024 04:24	C24060728.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 04:24	C24060728.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 04:24	C24060728.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 04:24	C24060728.D
p & m-Xylene	179601-23-1	**63**		25	06/08/2024 04:24	C24060728.D
o-Xylene	95-47-6	**44**		25	06/08/2024 04:24	C24060728.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 04:24	C24060728.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 04:24	C24060728.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 04:24	C24060728.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 04:24	C24060728.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 04:24	C24060728.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 04:24	C24060728.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 04:24	C24060728.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 04:24	C24060728.D
Naphthalene	91-20-3	<25		25	06/08/2024 04:24	C24060728.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 04:24	C24060728.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 04:24	C24060728.D
∉ **TPH C4-C9**		**30,200**		5,000	06/08/2024 04:24	C24060728.D
∉ **TPH C10-C15**		**15,500**		5,000	06/08/2024 04:24	C24060728.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.4%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*
Surrogate: Toluene-d8	2037-26-5	*106%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*
Surrogate: Bromofluorobenzene	460-00-4	*123%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-11

PSG-41A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 04:58	C24060729.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 04:58	C24060729.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 04:58	C24060729.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 04:58	C24060729.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 04:58	C24060729.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 04:58	C24060729.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 04:58	C24060729.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 04:58	C24060729.D
Chloroform	67-66-3	<10		10	06/08/2024 04:58	C24060729.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 04:58	C24060729.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 04:58	C24060729.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 04:58	C24060729.D
Benzene	71-43-2	**71**		25	06/08/2024 04:58	C24060729.D
Trichloroethene	79-01-6	<10		10	06/08/2024 04:58	C24060729.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 04:58	C24060729.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 04:58	C24060729.D
Toluene	108-88-3	<25		25	06/08/2024 04:58	C24060729.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 04:58	C24060729.D
Tetrachloroethene	127-18-4	<10		10	06/08/2024 04:58	C24060729.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 04:58	C24060729.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 04:58	C24060729.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 04:58	C24060729.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 04:58	C24060729.D
o-Xylene	95-47-6	<25		25	06/08/2024 04:58	C24060729.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 04:58	C24060729.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 04:58	C24060729.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 04:58	C24060729.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 04:58	C24060729.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 04:58	C24060729.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 04:58	C24060729.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 04:58	C24060729.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 04:58	C24060729.D
Naphthalene	91-20-3	<25		25	06/08/2024 04:58	C24060729.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 04:58	C24060729.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 04:58	C24060729.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 04:58	C24060729.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 04:58	C24060729.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.9%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*
Surrogate: Bromofluorobenzene	460-00-4	*121%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-12

PSG-41B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 05:30	C24060730.D
1,1-Dichloroethene	75-35-4	**67**		10	06/08/2024 05:30	C24060730.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 05:30	C24060730.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 05:30	C24060730.D
trans-1,2-Dichloroethene	156-60-5	**55**		10	06/08/2024 05:30	C24060730.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 05:30	C24060730.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 05:30	C24060730.D
cis-1,2-Dichloroethene	156-59-2	**289**		10	06/08/2024 05:30	C24060730.D
Chloroform	67-66-3	<10		10	06/08/2024 05:30	C24060730.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 05:30	C24060730.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 05:30	C24060730.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 05:30	C24060730.D
Benzene	71-43-2	**30**		25	06/08/2024 05:30	C24060730.D
Trichloroethene	79-01-6	**9,750**		10	06/08/2024 05:30	C24060730.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 05:30	C24060730.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 05:30	C24060730.D
Toluene	108-88-3	<25		25	06/08/2024 05:30	C24060730.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 05:30	C24060730.D
Tetrachloroethene	127-18-4	**162**		10	06/08/2024 05:30	C24060730.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 05:30	C24060730.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 05:30	C24060730.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 05:30	C24060730.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 05:30	C24060730.D
o-Xylene	95-47-6	<25		25	06/08/2024 05:30	C24060730.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 05:30	C24060730.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 05:30	C24060730.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 05:30	C24060730.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 05:30	C24060730.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 05:30	C24060730.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 05:30	C24060730.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 05:30	C24060730.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 05:30	C24060730.D
Naphthalene	91-20-3	<25		25	06/08/2024 05:30	C24060730.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 05:30	C24060730.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 05:30	C24060730.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 05:30	C24060730.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 05:30	C24060730.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*84.6%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*
Surrogate: Toluene-d8	2037-26-5	*97.0%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-13

PSG-41C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 06:03	C24060731.D
1,1-Dichloroethene	75-35-4	**25**		10	06/08/2024 06:03	C24060731.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 06:03	C24060731.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 06:03	C24060731.D
trans-1,2-Dichloroethene	156-60-5	**30**		10	06/08/2024 06:03	C24060731.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 06:03	C24060731.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 06:03	C24060731.D
cis-1,2-Dichloroethene	156-59-2	**188**		10	06/08/2024 06:03	C24060731.D
Chloroform	67-66-3	<10		10	06/08/2024 06:03	C24060731.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 06:03	C24060731.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 06:03	C24060731.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 06:03	C24060731.D
Benzene	71-43-2	**30**		25	06/08/2024 06:03	C24060731.D
Trichloroethene	79-01-6	**4,820**		10	06/08/2024 06:03	C24060731.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 06:03	C24060731.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 06:03	C24060731.D
Toluene	108-88-3	<25		25	06/08/2024 06:03	C24060731.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 06:03	C24060731.D
Tetrachloroethene	127-18-4	<10		10	06/08/2024 06:03	C24060731.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 06:03	C24060731.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 06:03	C24060731.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 06:03	C24060731.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 06:03	C24060731.D
o-Xylene	95-47-6	<25		25	06/08/2024 06:03	C24060731.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 06:03	C24060731.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 06:03	C24060731.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 06:03	C24060731.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 06:03	C24060731.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 06:03	C24060731.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 06:03	C24060731.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 06:03	C24060731.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 06:03	C24060731.D
Naphthalene	91-20-3	<25		25	06/08/2024 06:03	C24060731.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 06:03	C24060731.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 06:03	C24060731.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 06:03	C24060731.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 06:03	C24060731.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.0%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*
Surrogate: Toluene-d8	2037-26-5	*94.4%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-14

PSG-41D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 06:35	C24060732.D
1,1-Dichloroethene	75-35-4	**130**		10	06/08/2024 06:35	C24060732.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 06:35	C24060732.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 06:35	C24060732.D
trans-1,2-Dichloroethene	156-60-5	**67**		10	06/08/2024 06:35	C24060732.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 06:35	C24060732.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 06:35	C24060732.D
cis-1,2-Dichloroethene	156-59-2	**367**		10	06/08/2024 06:35	C24060732.D
Chloroform	67-66-3	<10		10	06/08/2024 06:35	C24060732.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 06:35	C24060732.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 06:35	C24060732.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 06:35	C24060732.D
Benzene	71-43-2	**51**		25	06/08/2024 06:35	C24060732.D
Trichloroethene	79-01-6	**37,600**	D	191	06/10/2024 15:49	C24061005.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 06:35	C24060732.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 06:35	C24060732.D
Toluene	108-88-3	<25		25	06/08/2024 06:35	C24060732.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 06:35	C24060732.D
Tetrachloroethene	127-18-4	**14**		10	06/08/2024 06:35	C24060732.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 06:35	C24060732.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 06:35	C24060732.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 06:35	C24060732.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 06:35	C24060732.D
o-Xylene	95-47-6	<25		25	06/08/2024 06:35	C24060732.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 06:35	C24060732.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 06:35	C24060732.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 06:35	C24060732.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 06:35	C24060732.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 06:35	C24060732.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 06:35	C24060732.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 06:35	C24060732.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 06:35	C24060732.D
Naphthalene	91-20-3	<25		25	06/08/2024 06:35	C24060732.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 06:35	C24060732.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 06:35	C24060732.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 06:35	C24060732.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 06:35	C24060732.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*103%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.2%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*
Surrogate: Toluene-d8	2037-26-5	*95.0%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-15

PSG-62A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 07:07	C24060733.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 07:07	C24060733.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 07:07	C24060733.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 07:07	C24060733.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 07:07	C24060733.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 07:07	C24060733.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 07:07	C24060733.D
cis-1,2-Dichloroethene	156-59-2	**18**		10	06/08/2024 07:07	C24060733.D
Chloroform	67-66-3	<10		10	06/08/2024 07:07	C24060733.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 07:07	C24060733.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 07:07	C24060733.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 07:07	C24060733.D
Benzene	71-43-2	**206**		25	06/08/2024 07:07	C24060733.D
Trichloroethene	79-01-6	**644**		10	06/08/2024 07:07	C24060733.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 07:07	C24060733.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 07:07	C24060733.D
Toluene	108-88-3	**142**		25	06/08/2024 07:07	C24060733.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 07:07	C24060733.D
Tetrachloroethene	127-18-4	**474**		10	06/08/2024 07:07	C24060733.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 07:07	C24060733.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 07:07	C24060733.D
Ethylbenzene	100-41-4	**36**		25	06/08/2024 07:07	C24060733.D
p & m-Xylene	179601-23-1	**96**		25	06/08/2024 07:07	C24060733.D
o-Xylene	95-47-6	**78**		25	06/08/2024 07:07	C24060733.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 07:07	C24060733.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 07:07	C24060733.D
1,3,5-Trimethylbenzene	108-67-8	**92**		25	06/08/2024 07:07	C24060733.D
1,2,4-Trimethylbenzene	95-63-6	**167**		25	06/08/2024 07:07	C24060733.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 07:07	C24060733.D
1,4-Dichlorobenzene	106-46-7	**28**		10	06/08/2024 07:07	C24060733.D
1,2-Dichlorobenzene	95-50-1	**62**		10	06/08/2024 07:07	C24060733.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 07:07	C24060733.D
Naphthalene	91-20-3	**17,800**	D	8,550	06/10/2024 18:33	C24061010.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 07:07	C24060733.D
2-Methylnaphthalene	91-57-6	**13,400**	D	476	06/10/2024 16:20	C24061006.D
∉ **TPH C4-C9**		**9,540**		5,000	06/08/2024 07:07	C24060733.D
∉ **TPH C10-C15**		**23,600**		5,000	06/08/2024 07:07	C24060733.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*78.6%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*
Surrogate: Toluene-d8	2037-26-5	*94.8%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: Bromofluorobenzene	460-00-4	*110%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*

526 Underwood Lane
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-15

PSG-62A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-16

DUP-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 07:41	C24060734.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 07:41	C24060734.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 07:41	C24060734.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 07:41	C24060734.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 07:41	C24060734.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 07:41	C24060734.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 07:41	C24060734.D
cis-1,2-Dichloroethene	156-59-2	<10		10	06/08/2024 07:41	C24060734.D
Chloroform	67-66-3	<10		10	06/08/2024 07:41	C24060734.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 07:41	C24060734.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 07:41	C24060734.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 07:41	C24060734.D
Benzene	71-43-2	**59**		25	06/08/2024 07:41	C24060734.D
Trichloroethene	79-01-6	**377**		10	06/08/2024 07:41	C24060734.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 07:41	C24060734.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 07:41	C24060734.D
Toluene	108-88-3	**39**		25	06/08/2024 07:41	C24060734.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 07:41	C24060734.D
Tetrachloroethene	127-18-4	**189**		10	06/08/2024 07:41	C24060734.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 07:41	C24060734.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 07:41	C24060734.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 07:41	C24060734.D
p & m-Xylene	179601-23-1	**42**		25	06/08/2024 07:41	C24060734.D
o-Xylene	95-47-6	**29**		25	06/08/2024 07:41	C24060734.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 07:41	C24060734.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 07:41	C24060734.D
1,3,5-Trimethylbenzene	108-67-8	**74**		25	06/08/2024 07:41	C24060734.D
1,2,4-Trimethylbenzene	95-63-6	**144**		25	06/08/2024 07:41	C24060734.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 07:41	C24060734.D
1,4-Dichlorobenzene	106-46-7	**26**		10	06/08/2024 07:41	C24060734.D
1,2-Dichlorobenzene	95-50-1	**53**		10	06/08/2024 07:41	C24060734.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 07:41	C24060734.D
Naphthalene	91-20-3	**20,500**	D	8,550	06/10/2024 19:05	C24061011.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 07:41	C24060734.D
2-Methylnaphthalene	91-57-6	**15,500**	D	476	06/10/2024 16:52	C24061007.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 07:41	C24060734.D
∉ **TPH C10-C15**		**24,300**		5,000	06/08/2024 07:41	C24060734.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.2%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*
Surrogate: Toluene-d8	2037-26-5	*91.3%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*
Surrogate: Bromofluorobenzene	460-00-4	*114%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*
Surrogate: Bromofluorobenzene	460-00-4	*126%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-16

DUP-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-17

PSG-62B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 08:13	C24060735.D
1,1-Dichloroethene	75-35-4	**22**		10	06/08/2024 08:13	C24060735.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 08:13	C24060735.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 08:13	C24060735.D
trans-1,2-Dichloroethene	156-60-5	**167**		10	06/08/2024 08:13	C24060735.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 08:13	C24060735.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 08:13	C24060735.D
cis-1,2-Dichloroethene	156-59-2	**299**		10	06/08/2024 08:13	C24060735.D
Chloroform	67-66-3	<10		10	06/08/2024 08:13	C24060735.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 08:13	C24060735.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 08:13	C24060735.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 08:13	C24060735.D
Benzene	71-43-2	**32**		25	06/08/2024 08:13	C24060735.D
Trichloroethene	79-01-6	**2,410**		10	06/08/2024 08:13	C24060735.D
1,4-Dioxane	123-91-1	**14**		10	06/08/2024 08:13	C24060735.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 08:13	C24060735.D
Toluene	108-88-3	<25		25	06/08/2024 08:13	C24060735.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 08:13	C24060735.D
Tetrachloroethene	127-18-4	**32**		10	06/08/2024 08:13	C24060735.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 08:13	C24060735.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 08:13	C24060735.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 08:13	C24060735.D
p & m-Xylene	179601-23-1	**42**		25	06/08/2024 08:13	C24060735.D
o-Xylene	95-47-6	<25		25	06/08/2024 08:13	C24060735.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 08:13	C24060735.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 08:13	C24060735.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 08:13	C24060735.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 08:13	C24060735.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 08:13	C24060735.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 08:13	C24060735.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 08:13	C24060735.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 08:13	C24060735.D
Naphthalene	91-20-3	**279**		25	06/08/2024 08:13	C24060735.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 08:13	C24060735.D
2-Methylnaphthalene	91-57-6	**119**		25	06/08/2024 08:13	C24060735.D
∉ **TPH C4-C9**		**8,470**		5,000	06/08/2024 08:13	C24060735.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 08:13	C24060735.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.0%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*
Surrogate: Toluene-d8	2037-26-5	*95.1%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*
Surrogate: Bromofluorobenzene	460-00-4	*126%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-18

PSG-62C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 08:46	C24060736.D
1,1-Dichloroethene	75-35-4	<10		10	06/08/2024 08:46	C24060736.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 08:46	C24060736.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 08:46	C24060736.D
trans-1,2-Dichloroethene	156-60-5	<10		10	06/08/2024 08:46	C24060736.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 08:46	C24060736.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 08:46	C24060736.D
cis-1,2-Dichloroethene	156-59-2	**22**		10	06/08/2024 08:46	C24060736.D
Chloroform	67-66-3	<10		10	06/08/2024 08:46	C24060736.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 08:46	C24060736.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 08:46	C24060736.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 08:46	C24060736.D
Benzene	71-43-2	**53**		25	06/08/2024 08:46	C24060736.D
Trichloroethene	79-01-6	**1,040**		10	06/08/2024 08:46	C24060736.D
1,4-Dioxane	123-91-1	**13**		10	06/08/2024 08:46	C24060736.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 08:46	C24060736.D
Toluene	108-88-3	**33**		25	06/08/2024 08:46	C24060736.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 08:46	C24060736.D
Tetrachloroethene	127-18-4	**24**		10	06/08/2024 08:46	C24060736.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 08:46	C24060736.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 08:46	C24060736.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 08:46	C24060736.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 08:46	C24060736.D
o-Xylene	95-47-6	<25		25	06/08/2024 08:46	C24060736.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 08:46	C24060736.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 08:46	C24060736.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 08:46	C24060736.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 08:46	C24060736.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 08:46	C24060736.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 08:46	C24060736.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 08:46	C24060736.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 08:46	C24060736.D
Naphthalene	91-20-3	**121**		25	06/08/2024 08:46	C24060736.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 08:46	C24060736.D
2-Methylnaphthalene	91-57-6	**40**		25	06/08/2024 08:46	C24060736.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 08:46	C24060736.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 08:46	C24060736.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.3%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*
Surrogate: Toluene-d8	2037-26-5	*100%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-19

PSG-62D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	06/08/2024 09:18	C24060737.D
1,1-Dichloroethene	75-35-4	**118**		10	06/08/2024 09:18	C24060737.D
Methylene Chloride	75-09-2	<10		10	06/08/2024 09:18	C24060737.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	06/08/2024 09:18	C24060737.D
trans-1,2-Dichloroethene	156-60-5	**118**		10	06/08/2024 09:18	C24060737.D
Methyl-t-butyl ether	1634-04-4	<25		25	06/08/2024 09:18	C24060737.D
1,1-Dichloroethane	75-34-3	<10		10	06/08/2024 09:18	C24060737.D
cis-1,2-Dichloroethene	156-59-2	**523**		10	06/08/2024 09:18	C24060737.D
Chloroform	67-66-3	<10		10	06/08/2024 09:18	C24060737.D
1,2-Dichloroethane	107-06-2	<10		10	06/08/2024 09:18	C24060737.D
1,1,1-Trichloroethane	71-55-6	<10		10	06/08/2024 09:18	C24060737.D
Carbon Tetrachloride	56-23-5	<10		10	06/08/2024 09:18	C24060737.D
Benzene	71-43-2	**95**		25	06/08/2024 09:18	C24060737.D
Trichloroethene	79-01-6	**45,000**	D	191	06/10/2024 17:24	C24061008.D
1,4-Dioxane	123-91-1	<10		10	06/08/2024 09:18	C24060737.D
1,1,2-Trichloroethane	79-00-5	<10		10	06/08/2024 09:18	C24060737.D
Toluene	108-88-3	**48**		25	06/08/2024 09:18	C24060737.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	06/08/2024 09:18	C24060737.D
Tetrachloroethene	127-18-4	**2,610**		10	06/08/2024 09:18	C24060737.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	06/08/2024 09:18	C24060737.D
Chlorobenzene	108-90-7	<10		10	06/08/2024 09:18	C24060737.D
Ethylbenzene	100-41-4	<25		25	06/08/2024 09:18	C24060737.D
p & m-Xylene	179601-23-1	<25		25	06/08/2024 09:18	C24060737.D
o-Xylene	95-47-6	<25		25	06/08/2024 09:18	C24060737.D
1,2,3-Trichloropropane	96-18-4	<10		10	06/08/2024 09:18	C24060737.D
Isopropylbenzene	98-82-8	<25		25	06/08/2024 09:18	C24060737.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	06/08/2024 09:18	C24060737.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	06/08/2024 09:18	C24060737.D
1,3-Dichlorobenzene	541-73-1	<10		10	06/08/2024 09:18	C24060737.D
1,4-Dichlorobenzene	106-46-7	<10		10	06/08/2024 09:18	C24060737.D
1,2-Dichlorobenzene	95-50-1	<10		10	06/08/2024 09:18	C24060737.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	06/08/2024 09:18	C24060737.D
Naphthalene	91-20-3	<25		25	06/08/2024 09:18	C24060737.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	06/08/2024 09:18	C24060737.D
2-Methylnaphthalene	91-57-6	<25		25	06/08/2024 09:18	C24060737.D
∉ TPH C4-C9		<5,000		5,000	06/08/2024 09:18	C24060737.D
∉ TPH C10-C15		<5,000		5,000	06/08/2024 09:18	C24060737.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.5%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*
Surrogate: Toluene-d8	2037-26-5	*95.9%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*

526 Underwood Lane
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1.410.838.8780

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Detailed Analytical Results- Concentration

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-01

Trip-1

Air

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/07/2024 23:33	C24060719.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	06/07/2024 23:33	C24060719.D
Methylene Chloride	75-09-2	<1.32		1.32	06/07/2024 23:33	C24060719.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/07/2024 23:33	C24060719.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	06/07/2024 23:33	C24060719.D
Methyl-t-butyl ether	1634-04-4	<2.31		2.31	06/07/2024 23:33	C24060719.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	06/07/2024 23:33	C24060719.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	06/07/2024 23:33	C24060719.D
Chloroform	67-66-3	<1.32		1.32	06/07/2024 23:33	C24060719.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/07/2024 23:33	C24060719.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/07/2024 23:33	C24060719.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/07/2024 23:33	C24060719.D
Benzene	71-43-2	<2.18		2.18	06/07/2024 23:33	C24060719.D
Trichloroethene	79-01-6	<1.40		1.40	06/07/2024 23:33	C24060719.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/07/2024 23:33	C24060719.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	06/07/2024 23:33	C24060719.D
Toluene	108-88-3	<2.89		2.89	06/07/2024 23:33	C24060719.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/07/2024 23:33	C24060719.D
Tetrachloroethene	127-18-4	<1.13		1.13	06/07/2024 23:33	C24060719.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/07/2024 23:33	C24060719.D
Chlorobenzene	108-90-7	<0.54		0.54	06/07/2024 23:33	C24060719.D
Ethylbenzene	100-41-4	<1.36		1.36	06/07/2024 23:33	C24060719.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/07/2024 23:33	C24060719.D
o-Xylene	95-47-6	<1.32		1.32	06/07/2024 23:33	C24060719.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/07/2024 23:33	C24060719.D
Isopropylbenzene	98-82-8	<1.39		1.39	06/07/2024 23:33	C24060719.D
1,3,5-Trimethylbenzene	108-67-8	<1.39		1.39	06/07/2024 23:33	C24060719.D
1,2,4-Trimethylbenzene	95-63-6	<1.39		1.39	06/07/2024 23:33	C24060719.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/07/2024 23:33	C24060719.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/07/2024 23:33	C24060719.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/07/2024 23:33	C24060719.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/07/2024 23:33	C24060719.D
Naphthalene	91-20-3	<1.45		1.45	06/07/2024 23:33	C24060719.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/07/2024 23:33	C24060719.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	06/07/2024 23:33	C24060719.D
∉ TPH C4-C9		<392		392	06/07/2024 23:33	C24060719.D
∉ TPH C10-C15		<335		335	06/07/2024 23:33	C24060719.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*120%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*
Surrogate: Toluene-d8	2037-26-5	*90.4%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*06/07/2024 23:33*	*C24060719.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-02

PSG-10A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 00:04	C24060720.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	06/08/2024 00:04	C24060720.D
Methylene Chloride	75-09-2	<1.33		1.33	06/08/2024 00:04	C24060720.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 00:04	C24060720.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	06/08/2024 00:04	C24060720.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	06/08/2024 00:04	C24060720.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 00:04	C24060720.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	06/08/2024 00:04	C24060720.D
Chloroform	67-66-3	<1.33		1.33	06/08/2024 00:04	C24060720.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 00:04	C24060720.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 00:04	C24060720.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 00:04	C24060720.D
Benzene	71-43-2	**2.79**		2.19	06/08/2024 00:04	C24060720.D
Trichloroethene	79-01-6	**2.22**		1.41	06/08/2024 00:04	C24060720.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 00:04	C24060720.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	06/08/2024 00:04	C24060720.D
Toluene	108-88-3	<2.91		2.91	06/08/2024 00:04	C24060720.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 00:04	C24060720.D
Tetrachloroethene	127-18-4	**19.1**		1.13	06/08/2024 00:04	C24060720.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 00:04	C24060720.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 00:04	C24060720.D
Ethylbenzene	100-41-4	<1.37		1.37	06/08/2024 00:04	C24060720.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 00:04	C24060720.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 00:04	C24060720.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 00:04	C24060720.D
Isopropylbenzene	98-82-8	<1.40		1.40	06/08/2024 00:04	C24060720.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	06/08/2024 00:04	C24060720.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	06/08/2024 00:04	C24060720.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 00:04	C24060720.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 00:04	C24060720.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 00:04	C24060720.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 00:04	C24060720.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 00:04	C24060720.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 00:04	C24060720.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	06/08/2024 00:04	C24060720.D
∉ TPH C4-C9		<394		394	06/08/2024 00:04	C24060720.D
∉ TPH C10-C15		<337		337	06/08/2024 00:04	C24060720.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*103%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*
Surrogate: Toluene-d8	2037-26-5	*94.6%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*06/08/2024 00:04*	*C24060720.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-03

DUP-01

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 00:36	C24060721.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	06/08/2024 00:36	C24060721.D
Methylene Chloride	75-09-2	<1.33		1.33	06/08/2024 00:36	C24060721.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 00:36	C24060721.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	06/08/2024 00:36	C24060721.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	06/08/2024 00:36	C24060721.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 00:36	C24060721.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	06/08/2024 00:36	C24060721.D
Chloroform	67-66-3	<1.33		1.33	06/08/2024 00:36	C24060721.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 00:36	C24060721.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 00:36	C24060721.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 00:36	C24060721.D
Benzene	71-43-2	**3.46**		2.19	06/08/2024 00:36	C24060721.D
Trichloroethene	79-01-6	**2.40**		1.41	06/08/2024 00:36	C24060721.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 00:36	C24060721.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	06/08/2024 00:36	C24060721.D
Toluene	108-88-3	<2.91		2.91	06/08/2024 00:36	C24060721.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 00:36	C24060721.D
Tetrachloroethene	127-18-4	**16.5**		1.13	06/08/2024 00:36	C24060721.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 00:36	C24060721.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 00:36	C24060721.D
Ethylbenzene	100-41-4	<1.37		1.37	06/08/2024 00:36	C24060721.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 00:36	C24060721.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 00:36	C24060721.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 00:36	C24060721.D
Isopropylbenzene	98-82-8	<1.40		1.40	06/08/2024 00:36	C24060721.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	06/08/2024 00:36	C24060721.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	06/08/2024 00:36	C24060721.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 00:36	C24060721.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 00:36	C24060721.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 00:36	C24060721.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 00:36	C24060721.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 00:36	C24060721.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 00:36	C24060721.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	06/08/2024 00:36	C24060721.D
∉ TPH C4-C9		<394		394	06/08/2024 00:36	C24060721.D
∉ TPH C10-C15		<337		337	06/08/2024 00:36	C24060721.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*99.0%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*
Surrogate: Toluene-d8	2037-26-5	*92.0%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*
Surrogate: Bromofluorobenzene	460-00-4	*113%*	*70-130*		*06/08/2024 00:36*	*C24060721.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-04

PSG-10B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 01:09	C24060722.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 01:09	C24060722.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 01:09	C24060722.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 01:09	C24060722.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	06/08/2024 01:09	C24060722.D
Methyl-t-butyl ether	1634-04-4	<2.34		2.34	06/08/2024 01:09	C24060722.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 01:09	C24060722.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	06/08/2024 01:09	C24060722.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 01:09	C24060722.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 01:09	C24060722.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 01:09	C24060722.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 01:09	C24060722.D
Benzene	71-43-2	**2.43**		2.21	06/08/2024 01:09	C24060722.D
Trichloroethene	79-01-6	**2.95**		1.42	06/08/2024 01:09	C24060722.D
1,4-Dioxane	123-91-1	<1.14		1.14	06/08/2024 01:09	C24060722.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 01:09	C24060722.D
Toluene	108-88-3	<2.92		2.92	06/08/2024 01:09	C24060722.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 01:09	C24060722.D
Tetrachloroethene	127-18-4	**14.6**		1.14	06/08/2024 01:09	C24060722.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	06/08/2024 01:09	C24060722.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 01:09	C24060722.D
Ethylbenzene	100-41-4	<1.38		1.38	06/08/2024 01:09	C24060722.D
p & m-Xylene	179601-23-1	**4.53**		1.33	06/08/2024 01:09	C24060722.D
o-Xylene	95-47-6	**2.08**		1.33	06/08/2024 01:09	C24060722.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 01:09	C24060722.D
Isopropylbenzene	98-82-8	<1.41		1.41	06/08/2024 01:09	C24060722.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	06/08/2024 01:09	C24060722.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	06/08/2024 01:09	C24060722.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 01:09	C24060722.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 01:09	C24060722.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 01:09	C24060722.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	06/08/2024 01:09	C24060722.D
Naphthalene	91-20-3	<1.46		1.46	06/08/2024 01:09	C24060722.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	06/08/2024 01:09	C24060722.D
2-Methylnaphthalene	91-57-6	<1.54		1.54	06/08/2024 01:09	C24060722.D
∉ TPH C4-C9		<396		396	06/08/2024 01:09	C24060722.D
∉ TPH C10-C15		<339		339	06/08/2024 01:09	C24060722.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*99.1%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*
Surrogate: Toluene-d8	2037-26-5	*120%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*
Surrogate: Bromofluorobenzene	460-00-4	*119%*	*70-130*		*06/08/2024 01:09*	*C24060722.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-05

PSG-10C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 01:41	C24060723.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	06/08/2024 01:41	C24060723.D
Methylene Chloride	75-09-2	<1.32		1.32	06/08/2024 01:41	C24060723.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 01:41	C24060723.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	06/08/2024 01:41	C24060723.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	06/08/2024 01:41	C24060723.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 01:41	C24060723.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	06/08/2024 01:41	C24060723.D
Chloroform	67-66-3	<1.32		1.32	06/08/2024 01:41	C24060723.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 01:41	C24060723.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 01:41	C24060723.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 01:41	C24060723.D
Benzene	71-43-2	<2.19		2.19	06/08/2024 01:41	C24060723.D
Trichloroethene	79-01-6	**7.58**		1.40	06/08/2024 01:41	C24060723.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 01:41	C24060723.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	06/08/2024 01:41	C24060723.D
Toluene	108-88-3	<2.90		2.90	06/08/2024 01:41	C24060723.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/08/2024 01:41	C24060723.D
Tetrachloroethene	127-18-4	**103**		1.13	06/08/2024 01:41	C24060723.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 01:41	C24060723.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 01:41	C24060723.D
Ethylbenzene	100-41-4	<1.36		1.36	06/08/2024 01:41	C24060723.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 01:41	C24060723.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 01:41	C24060723.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 01:41	C24060723.D
Isopropylbenzene	98-82-8	<1.40		1.40	06/08/2024 01:41	C24060723.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	06/08/2024 01:41	C24060723.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	06/08/2024 01:41	C24060723.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 01:41	C24060723.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 01:41	C24060723.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 01:41	C24060723.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 01:41	C24060723.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 01:41	C24060723.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 01:41	C24060723.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	06/08/2024 01:41	C24060723.D
∉ TPH C4-C9		<393		393	06/08/2024 01:41	C24060723.D
∉ TPH C10-C15		<336		336	06/08/2024 01:41	C24060723.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*102%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*
Surrogate: Toluene-d8	2037-26-5	*93.2%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*
Surrogate: Bromofluorobenzene	460-00-4	*110%*	*70-130*		*06/08/2024 01:41*	*C24060723.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-06

PSG-10D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 02:15	C24060724.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 02:15	C24060724.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 02:15	C24060724.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 02:15	C24060724.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	06/08/2024 02:15	C24060724.D
Methyl-t-butyl ether	1634-04-4	<2.34		2.34	06/08/2024 02:15	C24060724.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 02:15	C24060724.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	06/08/2024 02:15	C24060724.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 02:15	C24060724.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 02:15	C24060724.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 02:15	C24060724.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 02:15	C24060724.D
Benzene	71-43-2	<2.21		2.21	06/08/2024 02:15	C24060724.D
Trichloroethene	79-01-6	**6.90**		1.42	06/08/2024 02:15	C24060724.D
1,4-Dioxane	123-91-1	<1.14		1.14	06/08/2024 02:15	C24060724.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 02:15	C24060724.D
Toluene	108-88-3	<2.92		2.92	06/08/2024 02:15	C24060724.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 02:15	C24060724.D
Tetrachloroethene	127-18-4	**21.8**		1.14	06/08/2024 02:15	C24060724.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	06/08/2024 02:15	C24060724.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 02:15	C24060724.D
Ethylbenzene	100-41-4	<1.38		1.38	06/08/2024 02:15	C24060724.D
p & m-Xylene	179601-23-1	**2.26**		1.33	06/08/2024 02:15	C24060724.D
o-Xylene	95-47-6	<1.33		1.33	06/08/2024 02:15	C24060724.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 02:15	C24060724.D
Isopropylbenzene	98-82-8	<1.41		1.41	06/08/2024 02:15	C24060724.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	06/08/2024 02:15	C24060724.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	06/08/2024 02:15	C24060724.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 02:15	C24060724.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 02:15	C24060724.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 02:15	C24060724.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	06/08/2024 02:15	C24060724.D
Naphthalene	91-20-3	<1.46		1.46	06/08/2024 02:15	C24060724.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	06/08/2024 02:15	C24060724.D
2-Methylnaphthalene	91-57-6	<1.54		1.54	06/08/2024 02:15	C24060724.D
∉ TPH C4-C9		<396		396	06/08/2024 02:15	C24060724.D
∉ TPH C10-C15		<339		339	06/08/2024 02:15	C24060724.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.6%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*
Surrogate: Toluene-d8	2037-26-5	*108%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*06/08/2024 02:15*	*C24060724.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-07

PSG-25A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 02:47	C24060725.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 02:47	C24060725.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 02:47	C24060725.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 02:47	C24060725.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 02:47	C24060725.D
Methyl-t-butyl ether	1634-04-4	<2.35		2.35	06/08/2024 02:47	C24060725.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 02:47	C24060725.D
cis-1,2-Dichloroethene	156-59-2	<0.89		0.89	06/08/2024 02:47	C24060725.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 02:47	C24060725.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 02:47	C24060725.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 02:47	C24060725.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 02:47	C24060725.D
Benzene	71-43-2	**14.3**		2.22	06/08/2024 02:47	C24060725.D
Trichloroethene	79-01-6	<1.42		1.42	06/08/2024 02:47	C24060725.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 02:47	C24060725.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 02:47	C24060725.D
Toluene	108-88-3	**19.8**		2.94	06/08/2024 02:47	C24060725.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 02:47	C24060725.D
Tetrachloroethene	127-18-4	<1.15		1.15	06/08/2024 02:47	C24060725.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 02:47	C24060725.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 02:47	C24060725.D
Ethylbenzene	100-41-4	**1.57**		1.38	06/08/2024 02:47	C24060725.D
p & m-Xylene	179601-23-1	**5.67**		1.34	06/08/2024 02:47	C24060725.D
o-Xylene	95-47-6	**2.90**		1.34	06/08/2024 02:47	C24060725.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 02:47	C24060725.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 02:47	C24060725.D
1,3,5-Trimethylbenzene	108-67-8	<1.42		1.42	06/08/2024 02:47	C24060725.D
1,2,4-Trimethylbenzene	95-63-6	<1.42		1.42	06/08/2024 02:47	C24060725.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 02:47	C24060725.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 02:47	C24060725.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 02:47	C24060725.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 02:47	C24060725.D
Naphthalene	91-20-3	<1.47		1.47	06/08/2024 02:47	C24060725.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 02:47	C24060725.D
2-Methylnaphthalene	91-57-6	<1.55		1.55	06/08/2024 02:47	C24060725.D
∉ **TPH C4-C9**		**1,940**		398	06/08/2024 02:47	C24060725.D
∉ TPH C10-C15		<341		341	06/08/2024 02:47	C24060725.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*115%*	*70-130*		*06/08/2024 02:47*	*C24060725.D*
Surrogate: Toluene-d8	2037-26-5	*194%*	*70-130*	*S4*	*06/08/2024 02:47*	*C24060725.D*
Surrogate: Bromofluorobenzene	460-00-4	*118%*	*70-130*		*06/08/2024 02:47*	*C24060725.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-08

PSG-25B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 03:20	C24060726.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 03:20	C24060726.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 03:20	C24060726.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 03:20	C24060726.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 03:20	C24060726.D
Methyl-t-butyl ether	1634-04-4	<2.35		2.35	06/08/2024 03:20	C24060726.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 03:20	C24060726.D
cis-1,2-Dichloroethene	156-59-2	<0.89		0.89	06/08/2024 03:20	C24060726.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 03:20	C24060726.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 03:20	C24060726.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 03:20	C24060726.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 03:20	C24060726.D
Benzene	71-43-2	**25.0**		2.22	06/08/2024 03:20	C24060726.D
Trichloroethene	79-01-6	<1.42		1.42	06/08/2024 03:20	C24060726.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 03:20	C24060726.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 03:20	C24060726.D
Toluene	108-88-3	**35.7**		2.94	06/08/2024 03:20	C24060726.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 03:20	C24060726.D
Tetrachloroethene	127-18-4	**1.88**		1.15	06/08/2024 03:20	C24060726.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 03:20	C24060726.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 03:20	C24060726.D
Ethylbenzene	100-41-4	**2.07**		1.38	06/08/2024 03:20	C24060726.D
p & m-Xylene	179601-23-1	**4.52**		1.34	06/08/2024 03:20	C24060726.D
o-Xylene	95-47-6	**2.50**		1.34	06/08/2024 03:20	C24060726.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 03:20	C24060726.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 03:20	C24060726.D
1,3,5-Trimethylbenzene	108-67-8	<1.42		1.42	06/08/2024 03:20	C24060726.D
1,2,4-Trimethylbenzene	95-63-6	<1.42		1.42	06/08/2024 03:20	C24060726.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 03:20	C24060726.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 03:20	C24060726.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 03:20	C24060726.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	06/08/2024 03:20	C24060726.D
Naphthalene	91-20-3	<1.47		1.47	06/08/2024 03:20	C24060726.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	06/08/2024 03:20	C24060726.D
2-Methylnaphthalene	91-57-6	<1.55		1.55	06/08/2024 03:20	C24060726.D
∉ **TPH C4-C9**		**10,400**		398	06/08/2024 03:20	C24060726.D
∉ **TPH C10-C15**		**6,730**		341	06/08/2024 03:20	C24060726.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.5%*	*70-130*		*06/08/2024 03:20*	*C24060726.D*
Surrogate: Toluene-d8	2037-26-5	*584%*	*70-130*	*S4*	*06/08/2024 03:20*	*C24060726.D*
Surrogate: Bromofluorobenzene	460-00-4	*148%*	*70-130*	*S4*	*06/08/2024 03:20*	*C24060726.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-09

PSG-25C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 03:52	C24060727.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 03:52	C24060727.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 03:52	C24060727.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 03:52	C24060727.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 03:52	C24060727.D
Methyl-t-butyl ether	1634-04-4	<2.35		2.35	06/08/2024 03:52	C24060727.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 03:52	C24060727.D
cis-1,2-Dichloroethene	156-59-2	<0.89		0.89	06/08/2024 03:52	C24060727.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 03:52	C24060727.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 03:52	C24060727.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 03:52	C24060727.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 03:52	C24060727.D
Benzene	71-43-2	**8.57**		2.21	06/08/2024 03:52	C24060727.D
Trichloroethene	79-01-6	<1.42		1.42	06/08/2024 03:52	C24060727.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 03:52	C24060727.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 03:52	C24060727.D
Toluene	108-88-3	**9.23**		2.93	06/08/2024 03:52	C24060727.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 03:52	C24060727.D
Tetrachloroethene	127-18-4	**10.4**		1.15	06/08/2024 03:52	C24060727.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 03:52	C24060727.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 03:52	C24060727.D
Ethylbenzene	100-41-4	<1.38		1.38	06/08/2024 03:52	C24060727.D
p & m-Xylene	179601-23-1	**6.06**		1.33	06/08/2024 03:52	C24060727.D
o-Xylene	95-47-6	**2.90**		1.33	06/08/2024 03:52	C24060727.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 03:52	C24060727.D
Isopropylbenzene	98-82-8	<1.41		1.41	06/08/2024 03:52	C24060727.D
1,3,5-Trimethylbenzene	108-67-8	**1.77**		1.41	06/08/2024 03:52	C24060727.D
1,2,4-Trimethylbenzene	95-63-6	**5.86**		1.41	06/08/2024 03:52	C24060727.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 03:52	C24060727.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 03:52	C24060727.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 03:52	C24060727.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	06/08/2024 03:52	C24060727.D
Naphthalene	91-20-3	**4.71**		1.47	06/08/2024 03:52	C24060727.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	06/08/2024 03:52	C24060727.D
2-Methylnaphthalene	91-57-6	**2.17**		1.54	06/08/2024 03:52	C24060727.D
∉ TPH C4-C9		<398		398	06/08/2024 03:52	C24060727.D
∉ TPH C10-C15		<340		340	06/08/2024 03:52	C24060727.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*
Surrogate: Toluene-d8	2037-26-5	*97.7%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*
Surrogate: Bromofluorobenzene	460-00-4	*123%*	*70-130*		*06/08/2024 03:52*	*C24060727.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-10

PSG-25D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 04:24	C24060728.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	06/08/2024 04:24	C24060728.D
Methylene Chloride	75-09-2	<1.34		1.34	06/08/2024 04:24	C24060728.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 04:24	C24060728.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 04:24	C24060728.D
Methyl-t-butyl ether	1634-04-4	<2.35		2.35	06/08/2024 04:24	C24060728.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 04:24	C24060728.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	06/08/2024 04:24	C24060728.D
Chloroform	67-66-3	<1.34		1.34	06/08/2024 04:24	C24060728.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 04:24	C24060728.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 04:24	C24060728.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	06/08/2024 04:24	C24060728.D
Benzene	71-43-2	**7.75**		2.21	06/08/2024 04:24	C24060728.D
Trichloroethene	79-01-6	**2.47**		1.42	06/08/2024 04:24	C24060728.D
1,4-Dioxane	123-91-1	<1.14		1.14	06/08/2024 04:24	C24060728.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	06/08/2024 04:24	C24060728.D
Toluene	108-88-3	**6.86**		2.93	06/08/2024 04:24	C24060728.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 04:24	C24060728.D
Tetrachloroethene	127-18-4	**19.8**		1.14	06/08/2024 04:24	C24060728.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	06/08/2024 04:24	C24060728.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 04:24	C24060728.D
Ethylbenzene	100-41-4	<1.38		1.38	06/08/2024 04:24	C24060728.D
p & m-Xylene	179601-23-1	**3.35**		1.33	06/08/2024 04:24	C24060728.D
o-Xylene	95-47-6	**2.37**		1.33	06/08/2024 04:24	C24060728.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 04:24	C24060728.D
Isopropylbenzene	98-82-8	<1.41		1.41	06/08/2024 04:24	C24060728.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	06/08/2024 04:24	C24060728.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	06/08/2024 04:24	C24060728.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 04:24	C24060728.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 04:24	C24060728.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 04:24	C24060728.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	06/08/2024 04:24	C24060728.D
Naphthalene	91-20-3	<1.47		1.47	06/08/2024 04:24	C24060728.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	06/08/2024 04:24	C24060728.D
2-Methylnaphthalene	91-57-6	<1.54		1.54	06/08/2024 04:24	C24060728.D
∉ **TPH C4-C9**		**2,400**		397	06/08/2024 04:24	C24060728.D
∉ **TPH C10-C15**		**1,060**		340	06/08/2024 04:24	C24060728.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.4%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*
Surrogate: Toluene-d8	2037-26-5	*106%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*
Surrogate: Bromofluorobenzene	460-00-4	*123%*	*70-130*		*06/08/2024 04:24*	*C24060728.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-11

PSG-41A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 04:58	C24060729.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	06/08/2024 04:58	C24060729.D
Methylene Chloride	75-09-2	<1.32		1.32	06/08/2024 04:58	C24060729.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 04:58	C24060729.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	06/08/2024 04:58	C24060729.D
Methyl-t-butyl ether	1634-04-4	<2.31		2.31	06/08/2024 04:58	C24060729.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	06/08/2024 04:58	C24060729.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	06/08/2024 04:58	C24060729.D
Chloroform	67-66-3	<1.32		1.32	06/08/2024 04:58	C24060729.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 04:58	C24060729.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 04:58	C24060729.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 04:58	C24060729.D
Benzene	71-43-2	**6.23**		2.18	06/08/2024 04:58	C24060729.D
Trichloroethene	79-01-6	<1.40		1.40	06/08/2024 04:58	C24060729.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 04:58	C24060729.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	06/08/2024 04:58	C24060729.D
Toluene	108-88-3	<2.89		2.89	06/08/2024 04:58	C24060729.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/08/2024 04:58	C24060729.D
Tetrachloroethene	127-18-4	<1.13		1.13	06/08/2024 04:58	C24060729.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 04:58	C24060729.D
Chlorobenzene	108-90-7	<0.54		0.54	06/08/2024 04:58	C24060729.D
Ethylbenzene	100-41-4	<1.36		1.36	06/08/2024 04:58	C24060729.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 04:58	C24060729.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 04:58	C24060729.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 04:58	C24060729.D
Isopropylbenzene	98-82-8	<1.39		1.39	06/08/2024 04:58	C24060729.D
1,3,5-Trimethylbenzene	108-67-8	<1.39		1.39	06/08/2024 04:58	C24060729.D
1,2,4-Trimethylbenzene	95-63-6	<1.39		1.39	06/08/2024 04:58	C24060729.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 04:58	C24060729.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 04:58	C24060729.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 04:58	C24060729.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 04:58	C24060729.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 04:58	C24060729.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 04:58	C24060729.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	06/08/2024 04:58	C24060729.D
∉ TPH C4-C9		<392		392	06/08/2024 04:58	C24060729.D
∉ TPH C10-C15		<335		335	06/08/2024 04:58	C24060729.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.9%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*
Surrogate: Bromofluorobenzene	460-00-4	*121%*	*70-130*		*06/08/2024 04:58*	*C24060729.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-12

PSG-41B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 05:30	C24060730.D
1,1-Dichloroethene	75-35-4	**9.41**		1.40	06/08/2024 05:30	C24060730.D
Methylene Chloride	75-09-2	<1.32		1.32	06/08/2024 05:30	C24060730.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 05:30	C24060730.D
trans-1,2-Dichloroethene	156-60-5	**5.74**		1.05	06/08/2024 05:30	C24060730.D
Methyl-t-butyl ether	1634-04-4	<2.31		2.31	06/08/2024 05:30	C24060730.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	06/08/2024 05:30	C24060730.D
cis-1,2-Dichloroethene	156-59-2	**25.2**		0.87	06/08/2024 05:30	C24060730.D
Chloroform	67-66-3	<1.32		1.32	06/08/2024 05:30	C24060730.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 05:30	C24060730.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 05:30	C24060730.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 05:30	C24060730.D
Benzene	71-43-2	**2.62**		2.18	06/08/2024 05:30	C24060730.D
Trichloroethene	79-01-6	**1,370**		1.40	06/08/2024 05:30	C24060730.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 05:30	C24060730.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	06/08/2024 05:30	C24060730.D
Toluene	108-88-3	<2.89		2.89	06/08/2024 05:30	C24060730.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/08/2024 05:30	C24060730.D
Tetrachloroethene	127-18-4	**18.3**		1.13	06/08/2024 05:30	C24060730.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 05:30	C24060730.D
Chlorobenzene	108-90-7	<0.54		0.54	06/08/2024 05:30	C24060730.D
Ethylbenzene	100-41-4	<1.36		1.36	06/08/2024 05:30	C24060730.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 05:30	C24060730.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 05:30	C24060730.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 05:30	C24060730.D
Isopropylbenzene	98-82-8	<1.39		1.39	06/08/2024 05:30	C24060730.D
1,3,5-Trimethylbenzene	108-67-8	<1.39		1.39	06/08/2024 05:30	C24060730.D
1,2,4-Trimethylbenzene	95-63-6	<1.39		1.39	06/08/2024 05:30	C24060730.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 05:30	C24060730.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 05:30	C24060730.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 05:30	C24060730.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 05:30	C24060730.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 05:30	C24060730.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 05:30	C24060730.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	06/08/2024 05:30	C24060730.D
∉ TPH C4-C9		<392		392	06/08/2024 05:30	C24060730.D
∉ TPH C10-C15		<335		335	06/08/2024 05:30	C24060730.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*84.6%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*
Surrogate: Toluene-d8	2037-26-5	*97.0%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*06/08/2024 05:30*	*C24060730.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-13

PSG-41C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 06:03	C24060731.D
1,1-Dichloroethene	75-35-4	**3.50**		1.40	06/08/2024 06:03	C24060731.D
Methylene Chloride	75-09-2	<1.32		1.32	06/08/2024 06:03	C24060731.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 06:03	C24060731.D
trans-1,2-Dichloroethene	156-60-5	**3.19**		1.05	06/08/2024 06:03	C24060731.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	06/08/2024 06:03	C24060731.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 06:03	C24060731.D
cis-1,2-Dichloroethene	156-59-2	**16.5**		0.87	06/08/2024 06:03	C24060731.D
Chloroform	67-66-3	<1.32		1.32	06/08/2024 06:03	C24060731.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 06:03	C24060731.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 06:03	C24060731.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 06:03	C24060731.D
Benzene	71-43-2	**2.61**		2.19	06/08/2024 06:03	C24060731.D
Trichloroethene	79-01-6	**677**		1.40	06/08/2024 06:03	C24060731.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 06:03	C24060731.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	06/08/2024 06:03	C24060731.D
Toluene	108-88-3	<2.90		2.90	06/08/2024 06:03	C24060731.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/08/2024 06:03	C24060731.D
Tetrachloroethene	127-18-4	<1.13		1.13	06/08/2024 06:03	C24060731.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 06:03	C24060731.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 06:03	C24060731.D
Ethylbenzene	100-41-4	<1.36		1.36	06/08/2024 06:03	C24060731.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 06:03	C24060731.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 06:03	C24060731.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 06:03	C24060731.D
Isopropylbenzene	98-82-8	<1.40		1.40	06/08/2024 06:03	C24060731.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	06/08/2024 06:03	C24060731.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	06/08/2024 06:03	C24060731.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 06:03	C24060731.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 06:03	C24060731.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 06:03	C24060731.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 06:03	C24060731.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 06:03	C24060731.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 06:03	C24060731.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	06/08/2024 06:03	C24060731.D
∉ TPH C4-C9		<393		393	06/08/2024 06:03	C24060731.D
∉ TPH C10-C15		<336		336	06/08/2024 06:03	C24060731.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.0%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*
Surrogate: Toluene-d8	2037-26-5	*94.4%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*06/08/2024 06:03*	*C24060731.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-14

PSG-41D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	06/08/2024 06:35	C24060732.D
1,1-Dichloroethene	75-35-4	**18.2**		1.41	06/08/2024 06:35	C24060732.D
Methylene Chloride	75-09-2	<1.33		1.33	06/08/2024 06:35	C24060732.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	06/08/2024 06:35	C24060732.D
trans-1,2-Dichloroethene	156-60-5	**7.02**		1.05	06/08/2024 06:35	C24060732.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	06/08/2024 06:35	C24060732.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	06/08/2024 06:35	C24060732.D
cis-1,2-Dichloroethene	156-59-2	**32.1**		0.88	06/08/2024 06:35	C24060732.D
Chloroform	67-66-3	<1.33		1.33	06/08/2024 06:35	C24060732.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	06/08/2024 06:35	C24060732.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	06/08/2024 06:35	C24060732.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	06/08/2024 06:35	C24060732.D
Benzene	71-43-2	**4.48**		2.19	06/08/2024 06:35	C24060732.D
Trichloroethene	79-01-6	**5,280**	D	26.8	06/10/2024 15:49	C24061005.D
1,4-Dioxane	123-91-1	<1.13		1.13	06/08/2024 06:35	C24060732.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	06/08/2024 06:35	C24060732.D
Toluene	108-88-3	<2.90		2.90	06/08/2024 06:35	C24060732.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	06/08/2024 06:35	C24060732.D
Tetrachloroethene	127-18-4	**1.54**		1.13	06/08/2024 06:35	C24060732.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	06/08/2024 06:35	C24060732.D
Chlorobenzene	108-90-7	<0.55		0.55	06/08/2024 06:35	C24060732.D
Ethylbenzene	100-41-4	<1.36		1.36	06/08/2024 06:35	C24060732.D
p & m-Xylene	179601-23-1	<1.32		1.32	06/08/2024 06:35	C24060732.D
o-Xylene	95-47-6	<1.32		1.32	06/08/2024 06:35	C24060732.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	06/08/2024 06:35	C24060732.D
Isopropylbenzene	98-82-8	<1.40		1.40	06/08/2024 06:35	C24060732.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	06/08/2024 06:35	C24060732.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	06/08/2024 06:35	C24060732.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	06/08/2024 06:35	C24060732.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	06/08/2024 06:35	C24060732.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	06/08/2024 06:35	C24060732.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	06/08/2024 06:35	C24060732.D
Naphthalene	91-20-3	<1.45		1.45	06/08/2024 06:35	C24060732.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	06/08/2024 06:35	C24060732.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	06/08/2024 06:35	C24060732.D
∉ TPH C4-C9		<393		393	06/08/2024 06:35	C24060732.D
∉ TPH C10-C15		<336		336	06/08/2024 06:35	C24060732.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.2%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*103%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*
Surrogate: Toluene-d8	2037-26-5	*95.0%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 06:35*	*C24060732.D*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*06/10/2024 15:49*	*C24061005.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-15

PSG-62A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 07:07	C24060733.D
1,1-Dichloroethene	75-35-4	<1.43		1.43	06/08/2024 07:07	C24060733.D
Methylene Chloride	75-09-2	<1.35		1.35	06/08/2024 07:07	C24060733.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 07:07	C24060733.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 07:07	C24060733.D
Methyl-t-butyl ether	1634-04-4	<2.36		2.36	06/08/2024 07:07	C24060733.D
1,1-Dichloroethane	75-34-3	<0.56		0.56	06/08/2024 07:07	C24060733.D
cis-1,2-Dichloroethene	156-59-2	**1.60**		0.89	06/08/2024 07:07	C24060733.D
Chloroform	67-66-3	<1.35		1.35	06/08/2024 07:07	C24060733.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 07:07	C24060733.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 07:07	C24060733.D
Carbon Tetrachloride	56-23-5	<1.10		1.10	06/08/2024 07:07	C24060733.D
Benzene	71-43-2	**18.4**		2.23	06/08/2024 07:07	C24060733.D
Trichloroethene	79-01-6	**92.1**		1.43	06/08/2024 07:07	C24060733.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 07:07	C24060733.D
1,1,2-Trichloroethane	79-00-5	<1.43		1.43	06/08/2024 07:07	C24060733.D
Toluene	108-88-3	**16.8**		2.95	06/08/2024 07:07	C24060733.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 07:07	C24060733.D
Tetrachloroethene	127-18-4	**54.6**		1.15	06/08/2024 07:07	C24060733.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 07:07	C24060733.D
Chlorobenzene	108-90-7	<0.56		0.56	06/08/2024 07:07	C24060733.D
Ethylbenzene	100-41-4	**1.98**		1.39	06/08/2024 07:07	C24060733.D
p & m-Xylene	179601-23-1	**5.12**		1.34	06/08/2024 07:07	C24060733.D
o-Xylene	95-47-6	**4.18**		1.34	06/08/2024 07:07	C24060733.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 07:07	C24060733.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 07:07	C24060733.D
1,3,5-Trimethylbenzene	108-67-8	**5.25**		1.42	06/08/2024 07:07	C24060733.D
1,2,4-Trimethylbenzene	95-63-6	**9.50**		1.42	06/08/2024 07:07	C24060733.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 07:07	C24060733.D
1,4-Dichlorobenzene	106-46-7	**1.79**		0.63	06/08/2024 07:07	C24060733.D
1,2-Dichlorobenzene	95-50-1	**3.93**		0.63	06/08/2024 07:07	C24060733.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 07:07	C24060733.D
Naphthalene	91-20-3	**1,050**	D	505	06/10/2024 18:33	C24061010.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 07:07	C24060733.D
2-Methylnaphthalene	91-57-6	**832**	D	29.6	06/10/2024 16:20	C24061006.D
∉ **TPH C4-C9**		**763**		400	06/08/2024 07:07	C24060733.D
∉ **TPH C10-C15**		**1,610**		342	06/08/2024 07:07	C24060733.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*78.6%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*
Surrogate: Toluene-d8	2037-26-5	*94.8%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*06/10/2024 18:33*	*C24061010.D*
Surrogate: Bromofluorobenzene	460-00-4	*110%*	*70-130*		*06/10/2024 16:20*	*C24061006.D*

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-15

PSG-62A

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 07:07*	*C24060733.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-16

DUP-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 07:41	C24060734.D
1,1-Dichloroethene	75-35-4	<1.43		1.43	06/08/2024 07:41	C24060734.D
Methylene Chloride	75-09-2	<1.35		1.35	06/08/2024 07:41	C24060734.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 07:41	C24060734.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 07:41	C24060734.D
Methyl-t-butyl ether	1634-04-4	<2.36		2.36	06/08/2024 07:41	C24060734.D
1,1-Dichloroethane	75-34-3	<0.56		0.56	06/08/2024 07:41	C24060734.D
cis-1,2-Dichloroethene	156-59-2	<0.89		0.89	06/08/2024 07:41	C24060734.D
Chloroform	67-66-3	<1.35		1.35	06/08/2024 07:41	C24060734.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 07:41	C24060734.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 07:41	C24060734.D
Carbon Tetrachloride	56-23-5	<1.10		1.10	06/08/2024 07:41	C24060734.D
Benzene	71-43-2	**5.29**		2.23	06/08/2024 07:41	C24060734.D
Trichloroethene	79-01-6	**53.9**		1.43	06/08/2024 07:41	C24060734.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 07:41	C24060734.D
1,1,2-Trichloroethane	79-00-5	<1.43		1.43	06/08/2024 07:41	C24060734.D
Toluene	108-88-3	**4.56**		2.95	06/08/2024 07:41	C24060734.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	06/08/2024 07:41	C24060734.D
Tetrachloroethene	127-18-4	**21.8**		1.15	06/08/2024 07:41	C24060734.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 07:41	C24060734.D
Chlorobenzene	108-90-7	<0.56		0.56	06/08/2024 07:41	C24060734.D
Ethylbenzene	100-41-4	<1.39		1.39	06/08/2024 07:41	C24060734.D
p & m-Xylene	179601-23-1	**2.23**		1.34	06/08/2024 07:41	C24060734.D
o-Xylene	95-47-6	**1.57**		1.34	06/08/2024 07:41	C24060734.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 07:41	C24060734.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 07:41	C24060734.D
1,3,5-Trimethylbenzene	108-67-8	**4.20**		1.42	06/08/2024 07:41	C24060734.D
1,2,4-Trimethylbenzene	95-63-6	**8.21**		1.42	06/08/2024 07:41	C24060734.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 07:41	C24060734.D
1,4-Dichlorobenzene	106-46-7	**1.64**		0.63	06/08/2024 07:41	C24060734.D
1,2-Dichlorobenzene	95-50-1	**3.34**		0.63	06/08/2024 07:41	C24060734.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 07:41	C24060734.D
Naphthalene	91-20-3	**1,210**	D	505	06/10/2024 19:05	C24061011.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 07:41	C24060734.D
2-Methylnaphthalene	91-57-6	**964**	D	29.6	06/10/2024 16:52	C24061007.D
∉ TPH C4-C9		<400		400	06/08/2024 07:41	C24060734.D
∉ **TPH C10-C15**		**1,660**		342	06/08/2024 07:41	C24060734.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.2%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*
Surrogate: Toluene-d8	2037-26-5	*91.3%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*
Surrogate: Bromofluorobenzene	460-00-4	*126%*	*70-130*		*06/08/2024 07:41*	*C24060734.D*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*06/10/2024 19:05*	*C24061011.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-16

DUP-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: Bromofluorobenzene	460-00-4	*114%*	*70-130*		*06/10/2024 16:52*	*C24061007.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-17

PSG-62B

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 08:13	C24060735.D
1,1-Dichloroethene	75-35-4	**3.16**		1.43	06/08/2024 08:13	C24060735.D
Methylene Chloride	75-09-2	<1.35		1.35	06/08/2024 08:13	C24060735.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 08:13	C24060735.D
trans-1,2-Dichloroethene	156-60-5	**17.9**		1.07	06/08/2024 08:13	C24060735.D
Methyl-t-butyl ether	1634-04-4	<2.36		2.36	06/08/2024 08:13	C24060735.D
1,1-Dichloroethane	75-34-3	<0.56		0.56	06/08/2024 08:13	C24060735.D
cis-1,2-Dichloroethene	156-59-2	**26.6**		0.89	06/08/2024 08:13	C24060735.D
Chloroform	67-66-3	<1.35		1.35	06/08/2024 08:13	C24060735.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 08:13	C24060735.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 08:13	C24060735.D
Carbon Tetrachloride	56-23-5	<1.10		1.10	06/08/2024 08:13	C24060735.D
Benzene	71-43-2	**2.87**		2.23	06/08/2024 08:13	C24060735.D
Trichloroethene	79-01-6	**344**		1.43	06/08/2024 08:13	C24060735.D
1,4-Dioxane	123-91-1	**1.56**		1.15	06/08/2024 08:13	C24060735.D
1,1,2-Trichloroethane	79-00-5	<1.43		1.43	06/08/2024 08:13	C24060735.D
Toluene	108-88-3	<2.95		2.95	06/08/2024 08:13	C24060735.D
1,2-Dibromoethane (EDB)	106-93-4	<0.61		0.61	06/08/2024 08:13	C24060735.D
Tetrachloroethene	127-18-4	**3.71**		1.15	06/08/2024 08:13	C24060735.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 08:13	C24060735.D
Chlorobenzene	108-90-7	<0.56		0.56	06/08/2024 08:13	C24060735.D
Ethylbenzene	100-41-4	<1.39		1.39	06/08/2024 08:13	C24060735.D
p & m-Xylene	179601-23-1	**2.27**		1.34	06/08/2024 08:13	C24060735.D
o-Xylene	95-47-6	<1.34		1.34	06/08/2024 08:13	C24060735.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 08:13	C24060735.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 08:13	C24060735.D
1,3,5-Trimethylbenzene	108-67-8	<1.42		1.42	06/08/2024 08:13	C24060735.D
1,2,4-Trimethylbenzene	95-63-6	<1.42		1.42	06/08/2024 08:13	C24060735.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 08:13	C24060735.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 08:13	C24060735.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 08:13	C24060735.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 08:13	C24060735.D
Naphthalene	91-20-3	**16.5**		1.48	06/08/2024 08:13	C24060735.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 08:13	C24060735.D
2-Methylnaphthalene	91-57-6	**7.40**		1.55	06/08/2024 08:13	C24060735.D
∉ **TPH C4-C9**		**678**		400	06/08/2024 08:13	C24060735.D
∉ TPH C10-C15		<342		342	06/08/2024 08:13	C24060735.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.0%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*
Surrogate: Toluene-d8	2037-26-5	*95.1%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*
Surrogate: Bromofluorobenzene	460-00-4	*126%*	*70-130*		*06/08/2024 08:13*	*C24060735.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-18

PSG-62C

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 08:46	C24060736.D
1,1-Dichloroethene	75-35-4	<1.43		1.43	06/08/2024 08:46	C24060736.D
Methylene Chloride	75-09-2	<1.35		1.35	06/08/2024 08:46	C24060736.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 08:46	C24060736.D
trans-1,2-Dichloroethene	156-60-5	<1.07		1.07	06/08/2024 08:46	C24060736.D
Methyl-t-butyl ether	1634-04-4	<2.36		2.36	06/08/2024 08:46	C24060736.D
1,1-Dichloroethane	75-34-3	<0.56		0.56	06/08/2024 08:46	C24060736.D
cis-1,2-Dichloroethene	156-59-2	**1.97**		0.89	06/08/2024 08:46	C24060736.D
Chloroform	67-66-3	<1.35		1.35	06/08/2024 08:46	C24060736.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 08:46	C24060736.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 08:46	C24060736.D
Carbon Tetrachloride	56-23-5	<1.10		1.10	06/08/2024 08:46	C24060736.D
Benzene	71-43-2	**4.69**		2.23	06/08/2024 08:46	C24060736.D
Trichloroethene	79-01-6	**149**		1.43	06/08/2024 08:46	C24060736.D
1,4-Dioxane	123-91-1	**1.46**		1.15	06/08/2024 08:46	C24060736.D
1,1,2-Trichloroethane	79-00-5	<1.43		1.43	06/08/2024 08:46	C24060736.D
Toluene	108-88-3	**3.94**		2.95	06/08/2024 08:46	C24060736.D
1,2-Dibromoethane (EDB)	106-93-4	<0.61		0.61	06/08/2024 08:46	C24060736.D
Tetrachloroethene	127-18-4	**2.80**		1.15	06/08/2024 08:46	C24060736.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 08:46	C24060736.D
Chlorobenzene	108-90-7	<0.56		0.56	06/08/2024 08:46	C24060736.D
Ethylbenzene	100-41-4	<1.39		1.39	06/08/2024 08:46	C24060736.D
p & m-Xylene	179601-23-1	<1.34		1.34	06/08/2024 08:46	C24060736.D
o-Xylene	95-47-6	<1.34		1.34	06/08/2024 08:46	C24060736.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 08:46	C24060736.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 08:46	C24060736.D
1,3,5-Trimethylbenzene	108-67-8	<1.42		1.42	06/08/2024 08:46	C24060736.D
1,2,4-Trimethylbenzene	95-63-6	<1.42		1.42	06/08/2024 08:46	C24060736.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 08:46	C24060736.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 08:46	C24060736.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 08:46	C24060736.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 08:46	C24060736.D
Naphthalene	91-20-3	**7.13**		1.48	06/08/2024 08:46	C24060736.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 08:46	C24060736.D
2-Methylnaphthalene	91-57-6	**2.52**		1.55	06/08/2024 08:46	C24060736.D
∉ TPH C4-C9		<400		400	06/08/2024 08:46	C24060736.D
∉ TPH C10-C15		<342		342	06/08/2024 08:46	C24060736.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.3%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*
Surrogate: Toluene-d8	2037-26-5	*100%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 08:46*	*C24060736.D*

BEACON ENVIRONMENTAL

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Lab Sample ID: 0007787-19

PSG-62D

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	06/08/2024 09:18	C24060737.D
1,1-Dichloroethene	75-35-4	**16.9**		1.43	06/08/2024 09:18	C24060737.D
Methylene Chloride	75-09-2	<1.35		1.35	06/08/2024 09:18	C24060737.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53		0.53	06/08/2024 09:18	C24060737.D
trans-1,2-Dichloroethene	156-60-5	**12.6**		1.07	06/08/2024 09:18	C24060737.D
Methyl-t-butyl ether	1634-04-4	<2.36		2.36	06/08/2024 09:18	C24060737.D
1,1-Dichloroethane	75-34-3	<0.56		0.56	06/08/2024 09:18	C24060737.D
cis-1,2-Dichloroethene	156-59-2	**46.6**		0.89	06/08/2024 09:18	C24060737.D
Chloroform	67-66-3	<1.35		1.35	06/08/2024 09:18	C24060737.D
1,2-Dichloroethane	107-06-2	<0.84		0.84	06/08/2024 09:18	C24060737.D
1,1,1-Trichloroethane	71-55-6	<0.45		0.45	06/08/2024 09:18	C24060737.D
Carbon Tetrachloride	56-23-5	<1.10		1.10	06/08/2024 09:18	C24060737.D
Benzene	71-43-2	**8.47**		2.23	06/08/2024 09:18	C24060737.D
Trichloroethene	79-01-6	**6,440**	D	27.3	06/10/2024 17:24	C24061008.D
1,4-Dioxane	123-91-1	<1.15		1.15	06/08/2024 09:18	C24060737.D
1,1,2-Trichloroethane	79-00-5	<1.43		1.43	06/08/2024 09:18	C24060737.D
Toluene	108-88-3	**5.70**		2.95	06/08/2024 09:18	C24060737.D
1,2-Dibromoethane (EDB)	106-93-4	<0.61		0.61	06/08/2024 09:18	C24060737.D
Tetrachloroethene	127-18-4	**301**		1.15	06/08/2024 09:18	C24060737.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.15		1.15	06/08/2024 09:18	C24060737.D
Chlorobenzene	108-90-7	<0.56		0.56	06/08/2024 09:18	C24060737.D
Ethylbenzene	100-41-4	<1.39		1.39	06/08/2024 09:18	C24060737.D
p & m-Xylene	179601-23-1	<1.34		1.34	06/08/2024 09:18	C24060737.D
o-Xylene	95-47-6	<1.34		1.34	06/08/2024 09:18	C24060737.D
1,2,3-Trichloropropane	96-18-4	<0.63		0.63	06/08/2024 09:18	C24060737.D
Isopropylbenzene	98-82-8	<1.42		1.42	06/08/2024 09:18	C24060737.D
1,3,5-Trimethylbenzene	108-67-8	<1.42		1.42	06/08/2024 09:18	C24060737.D
1,2,4-Trimethylbenzene	95-63-6	<1.42		1.42	06/08/2024 09:18	C24060737.D
1,3-Dichlorobenzene	541-73-1	<0.63		0.63	06/08/2024 09:18	C24060737.D
1,4-Dichlorobenzene	106-46-7	<0.63		0.63	06/08/2024 09:18	C24060737.D
1,2-Dichlorobenzene	95-50-1	<0.63		0.63	06/08/2024 09:18	C24060737.D
1,2,4-Trichlorobenzene	120-82-1	<1.21		1.21	06/08/2024 09:18	C24060737.D
Naphthalene	91-20-3	<1.48		1.48	06/08/2024 09:18	C24060737.D
1,2,3-Trichlorobenzene	87-61-6	<1.21		1.21	06/08/2024 09:18	C24060737.D
2-Methylnaphthalene	91-57-6	<1.55		1.55	06/08/2024 09:18	C24060737.D
∉ TPH C4-C9		<400		400	06/08/2024 09:18	C24060737.D
∉ TPH C10-C15		<342		342	06/08/2024 09:18	C24060737.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.5%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*
Surrogate: Toluene-d8	2037-26-5	*95.9%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*
Surrogate: Bromofluorobenzene	460-00-4	*120%*	*70-130*		*06/08/2024 09:18*	*C24060737.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*06/10/2024 17:24*	*C24061008.D*

526 Underwood Lane
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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

QC Information/Summary

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24D057 - Instrument: C System - File ID: Ca24041626.D

B24D057-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	48.5	10	ng	50.0		97.0	70-130			
1,1-Dichloroethene	46.2	10	ng	50.0		92.4	70-130			
Methylene Chloride	48.6	10	ng	50.0		97.2	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	50.9	10	ng	50.0		102	70-130			
trans-1,2-Dichloroethene	49.0	10	ng	50.0		98.0	70-130			
Methyl-t-butyl ether	44.6	25	ng	50.0		89.1	70-130			
1,1-Dichloroethane	48.9	10	ng	50.0		97.7	70-130			
cis-1,2-Dichloroethene	49.3	10	ng	50.0		98.5	70-130			
Chloroform	51.1	10	ng	50.0		102	70-130			
1,2-Dichloroethane	49.8	10	ng	50.0		99.5	70-130			
1,1,1-Trichloroethane	49.6	10	ng	50.0		99.2	70-130			
Carbon Tetrachloride	52.6	10	ng	50.0		105	70-130			
Benzene	54.0	25	ng	50.0		108	70-130			
Trichloroethene	51.2	10	ng	50.0		102	70-130			
1,4-Dioxane	48.7	10	ng	50.0		97.4	70-130			
1,1,2-Trichloroethane	51.6	10	ng	50.0		103	70-130			
Toluene	57.0	25	ng	50.0		114	70-130			
1,2-Dibromoethane (EDB)	51.3	5	ng	50.0		103	70-130			
Tetrachloroethene	53.5	10	ng	50.0		107	70-130			
1,1,1,2-Tetrachloroethane	52.0	10	ng	50.0		104	70-130			
Chlorobenzene	49.7	10	ng	50.0		99.4	70-130			
Ethylbenzene	54.7	25	ng	50.0		109	70-130			
p & m-Xylene	55.5	25	ng	50.0		111	70-130			
o-Xylene	55.8	25	ng	50.0		112	70-130			
1,2,3-Trichloropropane	52.6	10	ng	50.0		105	70-130			
Isopropylbenzene	51.2	25	ng	50.0		102	70-130			
1,3,5-Trimethylbenzene	50.9	25	ng	50.0		102	70-130			
1,2,4-Trimethylbenzene	50.1	25	ng	50.0		100	70-130			
1,3-Dichlorobenzene	50.1	10	ng	50.0		100	70-130			
1,4-Dichlorobenzene	48.8	10	ng	50.0		97.7	70-130			
1,2-Dichlorobenzene	51.1	10	ng	50.0		102	70-130			
1,2,4-Trichlorobenzene	51.9	10	ng	50.0		104	70-130			
Naphthalene	55.2	25	ng	50.0		110	70-130			
1,2,3-Trichlorobenzene	54.9	10	ng	50.0		110	70-130			
2-Methylnaphthalene	51.5	25	ng	50.0		103	70-130			
Surrogate: 1,2-DCA-d4	*49.8*		*ng*	50.0		*99.7*	*70-130*			
Surrogate: Toluene-d8	*52.1*		*ng*	50.0		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*53.6*		*ng*	50.0		*107*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24D057 - Instrument: C System - File ID: Ca24041627.D

B24D057-ICB1 (Lab Blank/Initial Calibration Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<2.5	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Toluene-d8	*107*		*ng*	100		*107*	*70-130*			
Surrogate: Bromofluorobenzene	*105*		*ng*	100		*105*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F027 - Batch: 24F0024 - Instrument: C System - File ID: C24060702.D

24F0024-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	45.5	10	ng	50.0		91.1	80-120			
1,1-Dichloroethene	47.8	10	ng	50.0		95.7	80-120			
Methylene Chloride	56.9	10	ng	50.0		114	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	58.1	10	ng	50.0		116	80-120			
trans-1,2-Dichloroethene	51.2	10	ng	50.0		102	80-120			
Methyl-t-butyl ether	40.2	25	ng	50.0		80.4	80-120			
1,1-Dichloroethane	50.9	10	ng	50.0		102	80-120			
cis-1,2-Dichloroethene	51.7	10	ng	50.0		103	80-120			
Chloroform	57.9	10	ng	50.0		116	80-120			
1,2-Dichloroethane	53.5	10	ng	50.0		107	80-120			
1,1,1-Trichloroethane	50.0	10	ng	50.0		99.9	80-120			
Carbon Tetrachloride	57.7	10	ng	50.0		115	80-120			
Benzene	51.5	25	ng	50.0		103	80-120			
Trichloroethene	52.9	10	ng	50.0		106	80-120			
1,4-Dioxane	44.2	10	ng	50.0		88.3	80-120			
1,1,2-Trichloroethane	54.5	10	ng	50.0		109	80-120			
Toluene	50.9	25	ng	50.0		102	80-120			
1,2-Dibromoethane (EDB)	53.6	5	ng	50.0		107	80-120			
Tetrachloroethene	54.9	10	ng	50.0		110	80-120			
1,1,1,2-Tetrachloroethane	56.5	10	ng	50.0		113	80-120			
Chlorobenzene	50.8	10	ng	50.0		102	80-120			
Ethylbenzene	46.3	25	ng	50.0		92.6	80-120			
p & m-Xylene	45.2	25	ng	50.0		90.5	80-120			
o-Xylene	45.3	25	ng	50.0		90.5	80-120			
1,2,3-Trichloropropane	53.3	10	ng	50.0		107	80-120			
Isopropylbenzene	41.7	25	ng	50.0		83.4	80-120			
1,3,5-Trimethylbenzene	45.0	25	ng	50.0		90.0	80-120			
1,2,4-Trimethylbenzene	44.3	25	ng	50.0		88.6	80-120			
1,3-Dichlorobenzene	59.5	10	ng	50.0		119	80-120			
1,4-Dichlorobenzene	59.5	10	ng	50.0		119	80-120			
1,2-Dichlorobenzene	59.1	10	ng	50.0		118	80-120			
1,2,4-Trichlorobenzene	56.2	10	ng	50.0		112	80-120			
Naphthalene	42.9	25	ng	50.0		85.9	80-120			
1,2,3-Trichlorobenzene	57.7	10	ng	50.0		115	80-120			
2-Methylnaphthalene	41.0	25	ng	50.0		81.9	80-120			
Surrogate: 1,2-DCA-d4	*58.0*		*ng*	50.0		*116*	*70-130*			
Surrogate: Toluene-d8	*49.6*		*ng*	50.0		*99.2*	*70-130*			
Surrogate: Bromofluorobenzene	*57.7*		*ng*	50.0		*115*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B24F027 - Batch: 24F0024 - Instrument: C System - File ID: C24060703.D

24F0024-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.572	0.572	µg/m³							U
1,1-Dichloroethene	<1.40	1.40	µg/m³							U
Methylene Chloride	<1.32	1.32	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.520	0.520	µg/m³							U
trans-1,2-Dichloroethene	<1.05	1.05	µg/m³							U
Methyl-t-butyl ether	<2.31	2.31	µg/m³							U
1,1-Dichloroethane	<0.545	0.545	µg/m³							U
cis-1,2-Dichloroethene	<0.873	0.873	µg/m³							U
Chloroform	<1.32	1.32	µg/m³							U
1,2-Dichloroethane	<0.827	0.827	µg/m³							U
1,1,1-Trichloroethane	<0.441	0.441	µg/m³							U
Carbon Tetrachloride	<1.08	1.08	µg/m³							U
Benzene	<2.18	2.18	µg/m³							U
Trichloroethene	<1.40	1.40	µg/m³							U
1,4-Dioxane	<1.13	1.13	µg/m³							U
1,1,2-Trichloroethane	<1.40	1.40	µg/m³							U
Toluene	<2.89	2.89	µg/m³							U
1,2-Dibromoethane (EDB)	<0.594	0.594	µg/m³							U
Tetrachloroethene	<1.13	1.13	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.13	1.13	µg/m³							U
Chlorobenzene	<0.545	0.545	µg/m³							U
Ethylbenzene	<1.36	1.36	µg/m³							U
p & m-Xylene	<1.32	1.32	µg/m³							U
o-Xylene	<1.32	1.32	µg/m³							U
1,2,3-Trichloropropane	<0.617	0.617	µg/m³							U
Isopropylbenzene	<1.39	1.39	µg/m³							U
1,3,5-Trimethylbenzene	<1.39	1.39	µg/m³							U
1,2,4-Trimethylbenzene	<1.39	1.39	µg/m³							U
1,3-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,4-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,2-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,2,4-Trichlorobenzene	<1.19	1.19	µg/m³							U
Naphthalene	<1.45	1.45	µg/m³							U
1,2,3-Trichlorobenzene	<1.19	1.19	µg/m³							U
2-Methylnaphthalene	<1.52	1.52	µg/m³							U
Surrogate: 1,2-DCA-d4	*117*		*ng*	100		*117*	*70-130*			
Surrogate: Toluene-d8	*101*		*ng*	100		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*105*		*ng*	100		*105*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F027 - Batch: 24F0024 - Instrument: C System - File ID: C24060703.D

24F0024-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<3	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*117*		*ng*	100		*117*	*70-130*			
Surrogate: Toluene-d8	*101*		*ng*	100		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*105*		*ng*	100		*105*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F027 - Instrument: C System - File ID: C24060704.D

B24F027-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	50.9	10	ng	50.0		102	70-130			
1,1-Dichloroethene	50.2	10	ng	50.0		100	70-130			
Methylene Chloride	57.6	10	ng	50.0		115	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	63.1	10	ng	50.0		126	70-130			
trans-1,2-Dichloroethene	55.0	10	ng	50.0		110	70-130			
Methyl-t-butyl ether	40.3	25	ng	50.0		80.5	70-130			
1,1-Dichloroethane	52.6	10	ng	50.0		105	70-130			
cis-1,2-Dichloroethene	52.5	10	ng	50.0		105	70-130			
Chloroform	58.5	10	ng	50.0		117	70-130			
1,2-Dichloroethane	54.5	10	ng	50.0		109	70-130			
1,1,1-Trichloroethane	51.8	10	ng	50.0		104	70-130			
Carbon Tetrachloride	58.9	10	ng	50.0		118	70-130			
Benzene	52.3	25	ng	50.0		105	70-130			
Trichloroethene	54.3	10	ng	50.0		109	70-130			
1,4-Dioxane	42.6	10	ng	50.0		85.3	70-130			
1,1,2-Trichloroethane	54.0	10	ng	50.0		108	70-130			
Toluene	52.4	25	ng	50.0		105	70-130			
1,2-Dibromoethane (EDB)	54.0	5	ng	50.0		108	70-130			
Tetrachloroethene	57.1	10	ng	50.0		114	70-130			
1,1,1,2-Tetrachloroethane	56.1	10	ng	50.0		112	70-130			
Chlorobenzene	51.4	10	ng	50.0		103	70-130			
Ethylbenzene	46.6	25	ng	50.0		93.1	70-130			
p & m-Xylene	45.8	25	ng	50.0		91.5	70-130			
o-Xylene	44.8	25	ng	50.0		89.6	70-130			
1,2,3-Trichloropropane	51.8	10	ng	50.0		104	70-130			
Isopropylbenzene	41.8	25	ng	50.0		83.5	70-130			
1,3,5-Trimethylbenzene	45.1	25	ng	50.0		90.1	70-130			
1,2,4-Trimethylbenzene	45.7	25	ng	50.0		91.3	70-130			
1,3-Dichlorobenzene	58.5	10	ng	50.0		117	70-130			
1,4-Dichlorobenzene	58.9	10	ng	50.0		118	70-130			
1,2-Dichlorobenzene	57.7	10	ng	50.0		115	70-130			
1,2,4-Trichlorobenzene	56.2	10	ng	50.0		112	70-130			
Naphthalene	41.2	25	ng	50.0		82.5	70-130			
1,2,3-Trichlorobenzene	55.6	10	ng	50.0		111	70-130			
2-Methylnaphthalene	36.4	25	ng	50.0		72.7	70-130			
Surrogate: 1,2-DCA-d4	*57.0*		*ng*	50.0		*114*	*70-130*			
Surrogate: Toluene-d8	*50.1*		*ng*	50.0		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*54.8*		*ng*	50.0		*110*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F031 - Batch: 24F0028 - Instrument: C System - File ID: C24061002.D

24F0028-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	40.0	10	ng	50.0		80.0	80-120			
1,1-Dichloroethene	46.8	10	ng	50.0		93.5	80-120			
Methylene Chloride	51.9	10	ng	50.0		104	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	54.2	10	ng	50.0		108	80-120			
trans-1,2-Dichloroethene	50.5	10	ng	50.0		101	80-120			
Methyl-t-butyl ether	43.9	25	ng	50.0		87.7	80-120			
1,1-Dichloroethane	46.9	10	ng	50.0		93.8	80-120			
cis-1,2-Dichloroethene	50.6	10	ng	50.0		101	80-120			
Chloroform	50.0	10	ng	50.0		100	80-120			
1,2-Dichloroethane	49.4	10	ng	50.0		98.8	80-120			
1,1,1-Trichloroethane	46.9	10	ng	50.0		93.7	80-120			
Carbon Tetrachloride	52.7	10	ng	50.0		105	80-120			
Benzene	49.4	25	ng	50.0		98.8	80-120			
Trichloroethene	51.2	10	ng	50.0		102	80-120			
1,4-Dioxane	47.1	10	ng	50.0		94.1	80-120			
1,1,2-Trichloroethane	51.1	10	ng	50.0		102	80-120			
Toluene	51.2	25	ng	50.0		102	80-120			
1,2-Dibromoethane (EDB)	49.7	5	ng	50.0		99.5	80-120			
Tetrachloroethene	51.8	10	ng	50.0		104	80-120			
1,1,1,2-Tetrachloroethane	50.1	10	ng	50.0		100	80-120			
Chlorobenzene	48.7	10	ng	50.0		97.5	80-120			
Ethylbenzene	48.3	25	ng	50.0		96.6	80-120			
p & m-Xylene	48.7	25	ng	50.0		97.5	80-120			
o-Xylene	48.4	25	ng	50.0		96.8	80-120			
1,2,3-Trichloropropane	45.9	10	ng	50.0		91.8	80-120			
Isopropylbenzene	44.8	25	ng	50.0		89.7	80-120			
1,3,5-Trimethylbenzene	44.5	25	ng	50.0		89.1	80-120			
1,2,4-Trimethylbenzene	44.4	25	ng	50.0		88.8	80-120			
1,3-Dichlorobenzene	51.6	10	ng	50.0		103	80-120			
1,4-Dichlorobenzene	50.5	10	ng	50.0		101	80-120			
1,2-Dichlorobenzene	51.1	10	ng	50.0		102	80-120			
1,2,4-Trichlorobenzene	53.3	10	ng	50.0		107	80-120			
Naphthalene	43.4	25	ng	50.0		86.9	80-120			
1,2,3-Trichlorobenzene	53.6	10	ng	50.0		107	80-120			
2-Methylnaphthalene	40.5	25	ng	50.0		81.0	80-120			
Surrogate: 1,2-DCA-d4	*51.1*		*ng*	50.0		*102*	*70-130*			
Surrogate: Toluene-d8	*50.7*		*ng*	50.0		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*57.7*		*ng*	50.0		*115*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B24F031 - Batch: 24F0028 - Instrument: C System - File ID: C24061003.D

24F0028-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.572	0.572	µg/m³							U
1,1-Dichloroethene	<1.40	1.40	µg/m³							U
Methylene Chloride	<1.32	1.32	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.520	0.520	µg/m³							U
trans-1,2-Dichloroethene	<1.05	1.05	µg/m³							U
Methyl-t-butyl ether	<2.31	2.31	µg/m³							U
1,1-Dichloroethane	<0.545	0.545	µg/m³							U
cis-1,2-Dichloroethene	<0.873	0.873	µg/m³							U
Chloroform	<1.32	1.32	µg/m³							U
1,2-Dichloroethane	<0.827	0.827	µg/m³							U
1,1,1-Trichloroethane	<0.441	0.441	µg/m³							U
Carbon Tetrachloride	<1.08	1.08	µg/m³							U
Benzene	<2.18	2.18	µg/m³							U
Trichloroethene	<1.40	1.40	µg/m³							U
1,4-Dioxane	<1.13	1.13	µg/m³							U
1,1,2-Trichloroethane	<1.40	1.40	µg/m³							U
Toluene	<2.89	2.89	µg/m³							U
1,2-Dibromoethane (EDB)	<0.594	0.594	µg/m³							U
Tetrachloroethene	<1.13	1.13	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.13	1.13	µg/m³							U
Chlorobenzene	<0.545	0.545	µg/m³							U
Ethylbenzene	<1.36	1.36	µg/m³							U
p & m-Xylene	<1.32	1.32	µg/m³							U
o-Xylene	<1.32	1.32	µg/m³							U
1,2,3-Trichloropropane	<0.617	0.617	µg/m³							U
Isopropylbenzene	<1.39	1.39	µg/m³							U
1,3,5-Trimethylbenzene	<1.39	1.39	µg/m³							U
1,2,4-Trimethylbenzene	<1.39	1.39	µg/m³							U
1,3-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,4-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,2-Dichlorobenzene	<0.617	0.617	µg/m³							U
1,2,4-Trichlorobenzene	<1.19	1.19	µg/m³							U
Naphthalene	<1.45	1.45	µg/m³							U
1,2,3-Trichlorobenzene	<1.19	1.19	µg/m³							U
2-Methylnaphthalene	<1.52	1.52	µg/m³							U
Surrogate: 1,2-DCA-d4	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Toluene-d8	*103*		*ng*	100		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*107*		*ng*	100		*107*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F031 - Batch: 24F0028 - Instrument: C System - File ID: C24061003.D

24F0028-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<3	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Toluene-d8	*103*		*ng*	100		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*107*		*ng*	100		*107*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B24F031 - Instrument: C System - File ID: C24061004.D

B24F031-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	46.8	10	ng	50.0		93.6	70-130			
1,1-Dichloroethene	46.9	10	ng	50.0		93.7	70-130			
Methylene Chloride	55.2	10	ng	50.0		110	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	55.4	10	ng	50.0		111	70-130			
trans-1,2-Dichloroethene	52.7	10	ng	50.0		105	70-130			
Methyl-t-butyl ether	43.2	25	ng	50.0		86.3	70-130			
1,1-Dichloroethane	48.5	10	ng	50.0		97.0	70-130			
cis-1,2-Dichloroethene	51.9	10	ng	50.0		104	70-130			
Chloroform	53.5	10	ng	50.0		107	70-130			
1,2-Dichloroethane	49.9	10	ng	50.0		99.8	70-130			
1,1,1-Trichloroethane	49.2	10	ng	50.0		98.4	70-130			
Carbon Tetrachloride	54.5	10	ng	50.0		109	70-130			
Benzene	53.3	25	ng	50.0		107	70-130			
Trichloroethene	54.3	10	ng	50.0		109	70-130			
1,4-Dioxane	46.9	10	ng	50.0		93.9	70-130			
1,1,2-Trichloroethane	50.8	10	ng	50.0		102	70-130			
Toluene	53.9	25	ng	50.0		108	70-130			
1,2-Dibromoethane (EDB)	50.5	5	ng	50.0		101	70-130			
Tetrachloroethene	52.8	10	ng	50.0		106	70-130			
1,1,1,2-Tetrachloroethane	51.1	10	ng	50.0		102	70-130			
Chlorobenzene	50.2	10	ng	50.0		100	70-130			
Ethylbenzene	50.4	25	ng	50.0		101	70-130			
p & m-Xylene	48.6	25	ng	50.0		97.2	70-130			
o-Xylene	49.0	25	ng	50.0		98.0	70-130			
1,2,3-Trichloropropane	47.5	10	ng	50.0		95.0	70-130			
Isopropylbenzene	46.6	25	ng	50.0		93.2	70-130			
1,3,5-Trimethylbenzene	44.9	25	ng	50.0		89.8	70-130			
1,2,4-Trimethylbenzene	44.3	25	ng	50.0		88.6	70-130			
1,3-Dichlorobenzene	52.5	10	ng	50.0		105	70-130			
1,4-Dichlorobenzene	51.6	10	ng	50.0		103	70-130			
1,2-Dichlorobenzene	51.1	10	ng	50.0		102	70-130			
1,2,4-Trichlorobenzene	53.2	10	ng	50.0		106	70-130			
Naphthalene	42.9	25	ng	50.0		85.9	70-130			
1,2,3-Trichlorobenzene	54.2	10	ng	50.0		108	70-130			
2-Methylnaphthalene	40.1	25	ng	50.0		80.3	70-130			
Surrogate: 1,2-DCA-d4	*51.9*		*ng*	50.0		*104*	*70-130*			
Surrogate: Toluene-d8	*50.6*		*ng*	50.0		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*56.4*		*ng*	50.0		*113*	*70-130*			

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: DUP-01 Sample: PSG-10A Average RPD: 1.10%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	39.0	25	32.0	25	19.7
Trichloroethene	79-01-6	17.0	10	16.0	10	6.1
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	<25	25	<25	25	0.0
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	145	10	169	10	15.3
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	<25	25	<25	25	0.0
p & m-Xylene	179601-23-1	<25	25	<25	25	0.0
o-Xylene	95-47-6	<25	25	<25	25	0.0
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	<25	25	<25	25	0.0
1,2,4-Trimethylbenzene	95-63-6	<25	25	<25	25	0.0
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	<25	25	<25	25	0.0
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	<25	25	<25	25	0.0
TPH C4-C9		<5,000	5000	<5,000	5000	0.0
TPH C10-C15		<5,000	5000	<5,000	5000	0.0

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: DUP-02 Sample: PSG-62A Average RPD: 21.10%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	18.0	10	57.1
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	59.0	25	206	25	110.9
Trichloroethene	79-01-6	377	10	644	10	52.3
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	39.0	25	142	25	113.8
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	189	10	474	10	86.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	<25	25	36.0	25	36.1
p & m-Xylene	179601-23-1	42.0	25	96.0	25	78.3
o-Xylene	95-47-6	29.0	25	78.0	25	91.6
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	74.0	25	92.0	25	21.7
1,2,4-Trimethylbenzene	95-63-6	144	25	167	25	14.8
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	26.0	10	28.0	10	7.4
1,2-Dichlorobenzene	95-50-1	53.0	10	62.0	10	15.7
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	20,500	8550	17,800	8550	14.1
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	15,500	476	13,400	476	14.5
TPH C4-C9		<5,000	5000	9,540	5000	62.4
TPH C10-C15		24,300	5000	23,600	5000	2.9

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: DUP-01 Sample: PSG-10A Average RPD: 1.20%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.57	0.57	<0.57	0.57	0.0
1,1-Dichloroethene	75-35-4	<1.41	1.41	<1.41	1.41	0.0
Methylene Chloride	75-09-2	<1.33	1.33	<1.33	1.33	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52	0.52	<0.52	0.52	0.0
trans-1,2-Dichloroethene	156-60-5	<1.06	1.06	<1.06	1.06	0.0
Methyl-t-butyl ether	1634-04-4	<2.33	2.33	<2.33	2.33	0.0
1,1-Dichloroethane	75-34-3	<0.55	0.55	<0.55	0.55	0.0
cis-1,2-Dichloroethene	156-59-2	<0.88	0.88	<0.88	0.88	0.0
Chloroform	67-66-3	<1.33	1.33	<1.33	1.33	0.0
1,2-Dichloroethane	107-06-2	<0.83	0.83	<0.83	0.83	0.0
1,1,1-Trichloroethane	71-55-6	<0.44	0.44	<0.44	0.44	0.0
Carbon Tetrachloride	56-23-5	<1.08	1.08	<1.08	1.08	0.0
Benzene	71-43-2	3.46	2.19	2.79	2.19	21.4
Trichloroethene	79-01-6	2.40	1.41	2.22	1.41	7.8
1,4-Dioxane	123-91-1	<1.13	1.13	<1.13	1.13	0.0
1,1,2-Trichloroethane	79-00-5	<1.41	1.41	<1.41	1.41	0.0
Toluene	108-88-3	<2.91	2.91	<2.91	2.91	0.0
1,2-Dibromoethane (EDB)	106-93-4	<0.60	0.60	<0.60	0.60	0.0
Tetrachloroethene	127-18-4	16.5	1.13	19.1	1.13	14.6
1,1,1,2-Tetrachloroethane	630-20-6	<1.13	1.13	<1.13	1.13	0.0
Chlorobenzene	108-90-7	<0.55	0.55	<0.55	0.55	0.0
Ethylbenzene	100-41-4	<1.37	1.37	<1.37	1.37	0.0
p & m-Xylene	179601-23-1	<1.32	1.32	<1.32	1.32	0.0
o-Xylene	95-47-6	<1.32	1.32	<1.32	1.32	0.0
1,2,3-Trichloropropane	96-18-4	<0.62	0.62	<0.62	0.62	0.0
Isopropylbenzene	98-82-8	<1.40	1.40	<1.40	1.40	0.0
1,3,5-Trimethylbenzene	108-67-8	<1.40	1.40	<1.40	1.40	0.0
1,2,4-Trimethylbenzene	95-63-6	<1.40	1.40	<1.40	1.40	0.0
1,3-Dichlorobenzene	541-73-1	<0.62	0.62	<0.62	0.62	0.0
1,4-Dichlorobenzene	106-46-7	<0.62	0.62	<0.62	0.62	0.0
1,2-Dichlorobenzene	95-50-1	<0.62	0.62	<0.62	0.62	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.19	1.19	<1.19	1.19	0.0
Naphthalene	91-20-3	<1.45	1.45	<1.45	1.45	0.0
1,2,3-Trichlorobenzene	87-61-6	<1.19	1.19	<1.19	1.19	0.0
2-Methylnaphthalene	91-57-6	<1.53	1.53	<1.53	1.53	0.0
TPH C4-C9		<394	394	<394	394	0.0
TPH C10-C15		<337	337	<337	337	0.0

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: DUP-02 Sample: PSG-62A Average RPD: 21.10%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.58	0.58	<0.58	0.58	0.0
1,1-Dichloroethene	75-35-4	<1.43	1.43	<1.43	1.43	0.0
Methylene Chloride	75-09-2	<1.35	1.35	<1.35	1.35	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.53	0.53	<0.53	0.53	0.0
trans-1,2-Dichloroethene	156-60-5	<1.07	1.07	<1.07	1.07	0.0
Methyl-t-butyl ether	1634-04-4	<2.36	2.36	<2.36	2.36	0.0
1,1-Dichloroethane	75-34-3	<0.56	0.56	<0.56	0.56	0.0
cis-1,2-Dichloroethene	156-59-2	<0.89	0.89	1.60	0.89	57.0
Chloroform	67-66-3	<1.35	1.35	<1.35	1.35	0.0
1,2-Dichloroethane	107-06-2	<0.84	0.84	<0.84	0.84	0.0
1,1,1-Trichloroethane	71-55-6	<0.45	0.45	<0.45	0.45	0.0
Carbon Tetrachloride	56-23-5	<1.10	1.10	<1.10	1.10	0.0
Benzene	71-43-2	5.29	2.23	18.4	2.23	110.7
Trichloroethene	79-01-6	53.9	1.43	92.1	1.43	52.3
1,4-Dioxane	123-91-1	<1.15	1.15	<1.15	1.15	0.0
1,1,2-Trichloroethane	79-00-5	<1.43	1.43	<1.43	1.43	0.0
Toluene	108-88-3	4.56	2.95	16.8	2.95	114.6
1,2-Dibromoethane (EDB)	106-93-4	<0.60	0.60	<0.60	0.60	0.0
Tetrachloroethene	127-18-4	21.8	1.15	54.6	1.15	85.9
1,1,1,2-Tetrachloroethane	630-20-6	<1.15	1.15	<1.15	1.15	0.0
Chlorobenzene	108-90-7	<0.56	0.56	<0.56	0.56	0.0
Ethylbenzene	100-41-4	<1.39	1.39	1.98	1.39	35.0
p & m-Xylene	179601-23-1	2.23	1.34	5.12	1.34	78.6
o-Xylene	95-47-6	1.57	1.34	4.18	1.34	90.8
1,2,3-Trichloropropane	96-18-4	<0.63	0.63	<0.63	0.63	0.0
Isopropylbenzene	98-82-8	<1.42	1.42	<1.42	1.42	0.0
1,3,5-Trimethylbenzene	108-67-8	4.20	1.42	5.25	1.42	22.2
1,2,4-Trimethylbenzene	95-63-6	8.21	1.42	9.50	1.42	14.6
1,3-Dichlorobenzene	541-73-1	<0.63	0.63	<0.63	0.63	0.0
1,4-Dichlorobenzene	106-46-7	1.64	0.63	1.79	0.63	8.7
1,2-Dichlorobenzene	95-50-1	3.34	0.63	3.93	0.63	16.2
1,2,4-Trichlorobenzene	120-82-1	<1.21	1.21	<1.21	1.21	0.0
Naphthalene	91-20-3	1,210	505	1,050	505	14.2
1,2,3-Trichlorobenzene	87-61-6	<1.21	1.21	<1.21	1.21	0.0
2-Methylnaphthalene	91-57-6	964	29.6	832	29.6	14.7
TPH C4-C9		<400	400	763	400	62.4
TPH C10-C15		1,660	342	1,610	342	3.1

526 Underwood Lane
Bel Air, MD 21014 USA
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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Additional QC Information

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-01 **Sample Name:** Trip-1						
Vinyl Chloride	21,603	1.00	0.810	U	U	C24060719.D
1,1-Dichloroethene	21,603	1.00	0.330	U	U	C24060719.D
Methylene Chloride	21,603	1.00	0.350 g	U	U	C24060719.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,603	1.00	0.890 g	U	U	C24060719.D
trans-1,2-Dichloroethene	21,603	1.00	0.440	U	U	C24060719.D
Methyl-t-butyl ether	21,603	1.00	0.500 g	U	U	C24060719.D
1,1-Dichloroethane	21,603	1.00	0.850	U	U	C24060719.D
cis-1,2-Dichloroethene	21,603	1.00	0.530	U	U	C24060719.D
Chloroform	21,603	1.00	0.350 g	U	U	C24060719.D
1,2-Dichloroethane	21,603	1.00	0.560	U	U	C24060719.D
1,1,1-Trichloroethane	21,603	1.00	1.050	U	U	C24060719.D
Carbon Tetrachloride	21,603	1.00	0.430 g	U	U	C24060719.D
Benzene	21,603	1.00	0.530	U	U	C24060719.D
Trichloroethene	21,603	1.00	0.330	U	U	C24060719.D
1,4-Dioxane	21,603	1.00	0.410 g	U	U	C24060719.D
1,1,2-Trichloroethane	21,603	1.00	0.330 g	U	U	C24060719.D
Toluene	21,603	1.00	0.400	U	U	C24060719.D
1,2-Dibromoethane (EDB)	21,603	1.00	0.390 g	U	U	C24060719.D
Tetrachloroethene	21,603	1.00	0.410	U	U	C24060719.D
1,1,1,2-Tetrachloroethane	21,603	1.00	0.410 g	U	U	C24060719.D
Chlorobenzene	21,603	1.00	0.850 g	U	U	C24060719.D
Ethylbenzene	21,603	1.00	0.850	U	U	C24060719.D
p & m-Xylene	21,603	1.00	0.880	U	U	C24060719.D
o-Xylene	21,603	1.00	0.880	U	U	C24060719.D
1,2,3-Trichloropropane	21,603	1.00	0.750 g	U	U	C24060719.D
Isopropylbenzene	21,603	1.00	0.830 g	U	U	C24060719.D
1,3,5-Trimethylbenzene	21,603	1.00	0.830 g	U	U	C24060719.D
1,2,4-Trimethylbenzene	21,603	1.00	0.830 g	U	U	C24060719.D
1,3-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060719.D
1,4-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060719.D
1,2-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060719.D
1,2,4-Trichlorobenzene	21,603	1.00	0.390 g	U	U	C24060719.D
Naphthalene	21,603	1.00	0.800 g	U	U	C24060719.D
1,2,3-Trichlorobenzene	21,603	1.00	0.390 g	U	U	C24060719.D
2-Methylnaphthalene	21,603	1.00	0.760 g	U	U	C24060719.D
TPH C4-C9	21,603	1.00	0.590 g	U	U	C24060719.D
TPH C10-C15	21,603	1.00	0.690 g	U	U	C24060719.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-02 **Sample Name:** PSG-10A						
Vinyl Chloride	21,504	1.00	0.810	U	U	C24060720.D
1,1-Dichloroethene	21,504	1.00	0.330	U	U	C24060720.D
Methylene Chloride	21,504	1.00	0.350 g	U	U	C24060720.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,504	1.00	0.890 g	U	U	C24060720.D
trans-1,2-Dichloroethene	21,504	1.00	0.440	U	U	C24060720.D
Methyl-t-butyl ether	21,504	1.00	0.500 g	U	U	C24060720.D
1,1-Dichloroethane	21,504	1.00	0.850	U	U	C24060720.D
cis-1,2-Dichloroethene	21,504	1.00	0.530	U	U	C24060720.D
Chloroform	21,504	1.00	0.350 g	U	U	C24060720.D
1,2-Dichloroethane	21,504	1.00	0.560	U	U	C24060720.D
1,1,1-Trichloroethane	21,504	1.00	1.050	U	U	C24060720.D
Carbon Tetrachloride	21,504	1.00	0.430 g	U	U	C24060720.D
Benzene	21,504	1.00	0.530	31.82	2.79	C24060720.D
Trichloroethene	21,504	1.00	0.330	15.78	2.22	C24060720.D
1,4-Dioxane	21,504	1.00	0.410 g	U	U	C24060720.D
1,1,2-Trichloroethane	21,504	1.00	0.330 g	U	U	C24060720.D
Toluene	21,504	1.00	0.400	U	U	C24060720.D
1,2-Dibromoethane (EDB)	21,504	1.00	0.390 g	U	U	C24060720.D
Tetrachloroethene	21,504	1.00	0.410	168.67	19.1	C24060720.D
1,1,1,2-Tetrachloroethane	21,504	1.00	0.410 g	U	U	C24060720.D
Chlorobenzene	21,504	1.00	0.850 g	U	U	C24060720.D
Ethylbenzene	21,504	1.00	0.850	U	U	C24060720.D
p & m-Xylene	21,504	1.00	0.880	U	U	C24060720.D
o-Xylene	21,504	1.00	0.880	U	U	C24060720.D
1,2,3-Trichloropropane	21,504	1.00	0.750 g	U	U	C24060720.D
Isopropylbenzene	21,504	1.00	0.830 g	U	U	C24060720.D
1,3,5-Trimethylbenzene	21,504	1.00	0.830 g	U	U	C24060720.D
1,2,4-Trimethylbenzene	21,504	1.00	0.830 g	U	U	C24060720.D
1,3-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060720.D
1,4-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060720.D
1,2-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060720.D
1,2,4-Trichlorobenzene	21,504	1.00	0.390 g	U	U	C24060720.D
Naphthalene	21,504	1.00	0.800 g	U	U	C24060720.D
1,2,3-Trichlorobenzene	21,504	1.00	0.390 g	U	U	C24060720.D
2-Methylnaphthalene	21,504	1.00	0.760 g	U	U	C24060720.D
TPH C4-C9	21,504	1.00	0.590 g	U	U	C24060720.D
TPH C10-C15	21,504	1.00	0.690 g	U	U	C24060720.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-03 **Sample Name:** DUP-01						
Vinyl Chloride	21,504	1.00	0.810	U	U	C24060721.D
1,1-Dichloroethene	21,504	1.00	0.330	U	U	C24060721.D
Methylene Chloride	21,504	1.00	0.350 g	U	U	C24060721.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,504	1.00	0.890 g	U	U	C24060721.D
trans-1,2-Dichloroethene	21,504	1.00	0.440	U	U	C24060721.D
Methyl-t-butyl ether	21,504	1.00	0.500 g	U	U	C24060721.D
1,1-Dichloroethane	21,504	1.00	0.850	U	U	C24060721.D
cis-1,2-Dichloroethene	21,504	1.00	0.530	U	U	C24060721.D
Chloroform	21,504	1.00	0.350 g	U	U	C24060721.D
1,2-Dichloroethane	21,504	1.00	0.560	U	U	C24060721.D
1,1,1-Trichloroethane	21,504	1.00	1.050	U	U	C24060721.D
Carbon Tetrachloride	21,504	1.00	0.430 g	U	U	C24060721.D
Benzene	21,504	1.00	0.530	39.42	3.46	C24060721.D
Trichloroethene	21,504	1.00	0.330	17.05	2.40	C24060721.D
1,4-Dioxane	21,504	1.00	0.410 g	U	U	C24060721.D
1,1,2-Trichloroethane	21,504	1.00	0.330 g	U	U	C24060721.D
Toluene	21,504	1.00	0.400	U	U	C24060721.D
1,2-Dibromoethane (EDB)	21,504	1.00	0.390 g	U	U	C24060721.D
Tetrachloroethene	21,504	1.00	0.410	145.45	16.5	C24060721.D
1,1,1,2-Tetrachloroethane	21,504	1.00	0.410 g	U	U	C24060721.D
Chlorobenzene	21,504	1.00	0.850 g	U	U	C24060721.D
Ethylbenzene	21,504	1.00	0.850	U	U	C24060721.D
p & m-Xylene	21,504	1.00	0.880	U	U	C24060721.D
o-Xylene	21,504	1.00	0.880	U	U	C24060721.D
1,2,3-Trichloropropane	21,504	1.00	0.750 g	U	U	C24060721.D
Isopropylbenzene	21,504	1.00	0.830 g	U	U	C24060721.D
1,3,5-Trimethylbenzene	21,504	1.00	0.830 g	U	U	C24060721.D
1,2,4-Trimethylbenzene	21,504	1.00	0.830 g	U	U	C24060721.D
1,3-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060721.D
1,4-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060721.D
1,2-Dichlorobenzene	21,504	1.00	0.750 g	U	U	C24060721.D
1,2,4-Trichlorobenzene	21,504	1.00	0.390 g	U	U	C24060721.D
Naphthalene	21,504	1.00	0.800 g	U	U	C24060721.D
1,2,3-Trichlorobenzene	21,504	1.00	0.390 g	U	U	C24060721.D
2-Methylnaphthalene	21,504	1.00	0.760 g	U	U	C24060721.D
TPH C4-C9	21,504	1.00	0.590 g	U	U	C24060721.D
TPH C10-C15	21,504	1.00	0.690 g	U	U	C24060721.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-04 **Sample Name:** PSG-10B						
Vinyl Chloride	21,381	1.00	0.810	U	U	C24060722.D
1,1-Dichloroethene	21,381	1.00	0.330	U	U	C24060722.D
Methylene Chloride	21,381	1.00	0.350 g	U	U	C24060722.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,381	1.00	0.890 g	U	U	C24060722.D
trans-1,2-Dichloroethene	21,381	1.00	0.440	U	U	C24060722.D
Methyl-t-butyl ether	21,381	1.00	0.500 g	U	U	C24060722.D
1,1-Dichloroethane	21,381	1.00	0.850	U	U	C24060722.D
cis-1,2-Dichloroethene	21,381	1.00	0.530	U	U	C24060722.D
Chloroform	21,381	1.00	0.350 g	U	U	C24060722.D
1,2-Dichloroethane	21,381	1.00	0.560	U	U	C24060722.D
1,1,1-Trichloroethane	21,381	1.00	1.050	U	U	C24060722.D
Carbon Tetrachloride	21,381	1.00	0.430 g	U	U	C24060722.D
Benzene	21,381	1.00	0.530	27.52	2.43	C24060722.D
Trichloroethene	21,381	1.00	0.330	20.78	2.95	C24060722.D
1,4-Dioxane	21,381	1.00	0.410 g	U	U	C24060722.D
1,1,2-Trichloroethane	21,381	1.00	0.330 g	U	U	C24060722.D
Toluene	21,381	1.00	0.400	U	U	C24060722.D
1,2-Dibromoethane (EDB)	21,381	1.00	0.390 g	U	U	C24060722.D
Tetrachloroethene	21,381	1.00	0.410	128.41	14.6	C24060722.D
1,1,1,2-Tetrachloroethane	21,381	1.00	0.410 g	U	U	C24060722.D
Chlorobenzene	21,381	1.00	0.850 g	U	U	C24060722.D
Ethylbenzene	21,381	1.00	0.850	U	U	C24060722.D
p & m-Xylene	21,381	1.00	0.880	85.23	4.53	C24060722.D
o-Xylene	21,381	1.00	0.880	39.11	2.08	C24060722.D
1,2,3-Trichloropropane	21,381	1.00	0.750 g	U	U	C24060722.D
Isopropylbenzene	21,381	1.00	0.830 g	U	U	C24060722.D
1,3,5-Trimethylbenzene	21,381	1.00	0.830 g	U	U	C24060722.D
1,2,4-Trimethylbenzene	21,381	1.00	0.830 g	U	U	C24060722.D
1,3-Dichlorobenzene	21,381	1.00	0.750 g	U	U	C24060722.D
1,4-Dichlorobenzene	21,381	1.00	0.750 g	U	U	C24060722.D
1,2-Dichlorobenzene	21,381	1.00	0.750 g	U	U	C24060722.D
1,2,4-Trichlorobenzene	21,381	1.00	0.390 g	U	U	C24060722.D
Naphthalene	21,381	1.00	0.800 g	U	U	C24060722.D
1,2,3-Trichlorobenzene	21,381	1.00	0.390 g	U	U	C24060722.D
2-Methylnaphthalene	21,381	1.00	0.760 g	U	U	C24060722.D
TPH C4-C9	21,381	1.00	0.590 g	U	U	C24060722.D
TPH C10-C15	21,381	1.00	0.690 g	U	U	C24060722.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-05 **Sample Name:** PSG-10C						
Vinyl Chloride	21,576	1.00	0.810	U	U	C24060723.D
1,1-Dichloroethene	21,576	1.00	0.330	U	U	C24060723.D
Methylene Chloride	21,576	1.00	0.350 g	U	U	C24060723.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,576	1.00	0.890 g	U	U	C24060723.D
trans-1,2-Dichloroethene	21,576	1.00	0.440	U	U	C24060723.D
Methyl-t-butyl ether	21,576	1.00	0.500 g	U	U	C24060723.D
1,1-Dichloroethane	21,576	1.00	0.850	U	U	C24060723.D
cis-1,2-Dichloroethene	21,576	1.00	0.530	U	U	C24060723.D
Chloroform	21,576	1.00	0.350 g	U	U	C24060723.D
1,2-Dichloroethane	21,576	1.00	0.560	U	U	C24060723.D
1,1,1-Trichloroethane	21,576	1.00	1.050	U	U	C24060723.D
Carbon Tetrachloride	21,576	1.00	0.430 g	U	U	C24060723.D
Benzene	21,576	1.00	0.530	U	U	C24060723.D
Trichloroethene	21,576	1.00	0.330	53.94	7.58	C24060723.D
1,4-Dioxane	21,576	1.00	0.410 g	U	U	C24060723.D
1,1,2-Trichloroethane	21,576	1.00	0.330 g	U	U	C24060723.D
Toluene	21,576	1.00	0.400	U	U	C24060723.D
1,2-Dibromoethane (EDB)	21,576	1.00	0.390 g	U	U	C24060723.D
Tetrachloroethene	21,576	1.00	0.410	914.61	103	C24060723.D
1,1,1,2-Tetrachloroethane	21,576	1.00	0.410 g	U	U	C24060723.D
Chlorobenzene	21,576	1.00	0.850 g	U	U	C24060723.D
Ethylbenzene	21,576	1.00	0.850	U	U	C24060723.D
p & m-Xylene	21,576	1.00	0.880	U	U	C24060723.D
o-Xylene	21,576	1.00	0.880	U	U	C24060723.D
1,2,3-Trichloropropane	21,576	1.00	0.750 g	U	U	C24060723.D
Isopropylbenzene	21,576	1.00	0.830 g	U	U	C24060723.D
1,3,5-Trimethylbenzene	21,576	1.00	0.830 g	U	U	C24060723.D
1,2,4-Trimethylbenzene	21,576	1.00	0.830 g	U	U	C24060723.D
1,3-Dichlorobenzene	21,576	1.00	0.750 g	U	U	C24060723.D
1,4-Dichlorobenzene	21,576	1.00	0.750 g	U	U	C24060723.D
1,2-Dichlorobenzene	21,576	1.00	0.750 g	U	U	C24060723.D
1,2,4-Trichlorobenzene	21,576	1.00	0.390 g	U	U	C24060723.D
Naphthalene	21,576	1.00	0.800 g	U	U	C24060723.D
1,2,3-Trichlorobenzene	21,576	1.00	0.390 g	U	U	C24060723.D
2-Methylnaphthalene	21,576	1.00	0.760 g	U	U	C24060723.D
TPH C4-C9	21,576	1.00	0.590 g	U	U	C24060723.D
TPH C10-C15	21,576	1.00	0.690 g	U	U	C24060723.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-06 **Sample Name:** PSG-10D						
Vinyl Chloride	21,386	1.00	0.810	U	U	C24060724.D
1,1-Dichloroethene	21,386	1.00	0.330	U	U	C24060724.D
Methylene Chloride	21,386	1.00	0.350 g	U	U	C24060724.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,386	1.00	0.890 g	U	U	C24060724.D
trans-1,2-Dichloroethene	21,386	1.00	0.440	U	U	C24060724.D
Methyl-t-butyl ether	21,386	1.00	0.500 g	U	U	C24060724.D
1,1-Dichloroethane	21,386	1.00	0.850	U	U	C24060724.D
cis-1,2-Dichloroethene	21,386	1.00	0.530	U	U	C24060724.D
Chloroform	21,386	1.00	0.350 g	U	U	C24060724.D
1,2-Dichloroethane	21,386	1.00	0.560	U	U	C24060724.D
1,1,1-Trichloroethane	21,386	1.00	1.050	U	U	C24060724.D
Carbon Tetrachloride	21,386	1.00	0.430 g	U	U	C24060724.D
Benzene	21,386	1.00	0.530	U	U	C24060724.D
Trichloroethene	21,386	1.00	0.330	48.71	6.90	C24060724.D
1,4-Dioxane	21,386	1.00	0.410 g	U	U	C24060724.D
1,1,2-Trichloroethane	21,386	1.00	0.330 g	U	U	C24060724.D
Toluene	21,386	1.00	0.400	U	U	C24060724.D
1,2-Dibromoethane (EDB)	21,386	1.00	0.390 g	U	U	C24060724.D
Tetrachloroethene	21,386	1.00	0.410	191.39	21.8	C24060724.D
1,1,1,2-Tetrachloroethane	21,386	1.00	0.410 g	U	U	C24060724.D
Chlorobenzene	21,386	1.00	0.850 g	U	U	C24060724.D
Ethylbenzene	21,386	1.00	0.850	U	U	C24060724.D
p & m-Xylene	21,386	1.00	0.880	42.58	2.26	C24060724.D
o-Xylene	21,386	1.00	0.880	U	U	C24060724.D
1,2,3-Trichloropropane	21,386	1.00	0.750 g	U	U	C24060724.D
Isopropylbenzene	21,386	1.00	0.830 g	U	U	C24060724.D
1,3,5-Trimethylbenzene	21,386	1.00	0.830 g	U	U	C24060724.D
1,2,4-Trimethylbenzene	21,386	1.00	0.830 g	U	U	C24060724.D
1,3-Dichlorobenzene	21,386	1.00	0.750 g	U	U	C24060724.D
1,4-Dichlorobenzene	21,386	1.00	0.750 g	U	U	C24060724.D
1,2-Dichlorobenzene	21,386	1.00	0.750 g	U	U	C24060724.D
1,2,4-Trichlorobenzene	21,386	1.00	0.390 g	U	U	C24060724.D
Naphthalene	21,386	1.00	0.800 g	U	U	C24060724.D
1,2,3-Trichlorobenzene	21,386	1.00	0.390 g	U	U	C24060724.D
2-Methylnaphthalene	21,386	1.00	0.760 g	U	U	C24060724.D
TPH C4-C9	21,386	1.00	0.590 g	U	U	C24060724.D
TPH C10-C15	21,386	1.00	0.690 g	U	U	C24060724.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-07 **Sample Name:** PSG-25A						
Vinyl Chloride	21,270	1.00	0.810	U	U	C24060725.D
1,1-Dichloroethene	21,270	1.00	0.330	U	U	C24060725.D
Methylene Chloride	21,270	1.00	0.350 g	U	U	C24060725.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,270	1.00	0.890 g	U	U	C24060725.D
trans-1,2-Dichloroethene	21,270	1.00	0.440	U	U	C24060725.D
Methyl-t-butyl ether	21,270	1.00	0.500 g	U	U	C24060725.D
1,1-Dichloroethane	21,270	1.00	0.850	U	U	C24060725.D
cis-1,2-Dichloroethene	21,270	1.00	0.530	U	U	C24060725.D
Chloroform	21,270	1.00	0.350 g	U	U	C24060725.D
1,2-Dichloroethane	21,270	1.00	0.560	U	U	C24060725.D
1,1,1-Trichloroethane	21,270	1.00	1.050	U	U	C24060725.D
Carbon Tetrachloride	21,270	1.00	0.430 g	U	U	C24060725.D
Benzene	21,270	1.00	0.530	161.71	14.3	C24060725.D
Trichloroethene	21,270	1.00	0.330	U	U	C24060725.D
1,4-Dioxane	21,270	1.00	0.410 g	U	U	C24060725.D
1,1,2-Trichloroethane	21,270	1.00	0.330 g	U	U	C24060725.D
Toluene	21,270	1.00	0.400	168.65	19.8	C24060725.D
1,2-Dibromoethane (EDB)	21,270	1.00	0.390 g	U	U	C24060725.D
Tetrachloroethene	21,270	1.00	0.410	U	U	C24060725.D
1,1,1,2-Tetrachloroethane	21,270	1.00	0.410 g	U	U	C24060725.D
Chlorobenzene	21,270	1.00	0.850 g	U	U	C24060725.D
Ethylbenzene	21,270	1.00	0.850	28.35	1.57	C24060725.D
p & m-Xylene	21,270	1.00	0.880	106.08	5.67	C24060725.D
o-Xylene	21,270	1.00	0.880	54.31	2.90	C24060725.D
1,2,3-Trichloropropane	21,270	1.00	0.750 g	U	U	C24060725.D
Isopropylbenzene	21,270	1.00	0.830 g	U	U	C24060725.D
1,3,5-Trimethylbenzene	21,270	1.00	0.830 g	U	U	C24060725.D
1,2,4-Trimethylbenzene	21,270	1.00	0.830 g	U	U	C24060725.D
1,3-Dichlorobenzene	21,270	1.00	0.750 g	U	U	C24060725.D
1,4-Dichlorobenzene	21,270	1.00	0.750 g	U	U	C24060725.D
1,2-Dichlorobenzene	21,270	1.00	0.750 g	U	U	C24060725.D
1,2,4-Trichlorobenzene	21,270	1.00	0.390 g	U	U	C24060725.D
Naphthalene	21,270	1.00	0.800 g	U	U	C24060725.D
1,2,3-Trichlorobenzene	21,270	1.00	0.390 g	U	U	C24060725.D
2-Methylnaphthalene	21,270	1.00	0.760 g	U	U	C24060725.D
TPH C4-C9	21,270	1.00	0.590 g	24389.94	1,940	C24060725.D
TPH C10-C15	21,270	1.00	0.690 g	U	U	C24060725.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-08 **Sample Name:** PSG-25B						
Vinyl Chloride	21,279	1.00	0.810	U	U	C24060726.D
1,1-Dichloroethene	21,279	1.00	0.330	U	U	C24060726.D
Methylene Chloride	21,279	1.00	0.350 g	U	U	C24060726.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,279	1.00	0.890 g	U	U	C24060726.D
trans-1,2-Dichloroethene	21,279	1.00	0.440	U	U	C24060726.D
Methyl-t-butyl ether	21,279	1.00	0.500 g	U	U	C24060726.D
1,1-Dichloroethane	21,279	1.00	0.850	U	U	C24060726.D
cis-1,2-Dichloroethene	21,279	1.00	0.530	U	U	C24060726.D
Chloroform	21,279	1.00	0.350 g	U	U	C24060726.D
1,2-Dichloroethane	21,279	1.00	0.560	U	U	C24060726.D
1,1,1-Trichloroethane	21,279	1.00	1.050	U	U	C24060726.D
Carbon Tetrachloride	21,279	1.00	0.430 g	U	U	C24060726.D
Benzene	21,279	1.00	0.530	281.42	25.0	C24060726.D
Trichloroethene	21,279	1.00	0.330	U	U	C24060726.D
1,4-Dioxane	21,279	1.00	0.410 g	U	U	C24060726.D
1,1,2-Trichloroethane	21,279	1.00	0.330 g	U	U	C24060726.D
Toluene	21,279	1.00	0.400	303.89	35.7	C24060726.D
1,2-Dibromoethane (EDB)	21,279	1.00	0.390 g	U	U	C24060726.D
Tetrachloroethene	21,279	1.00	0.410	16.40	1.88	C24060726.D
1,1,1,2-Tetrachloroethane	21,279	1.00	0.410 g	U	U	C24060726.D
Chlorobenzene	21,279	1.00	0.850 g	U	U	C24060726.D
Ethylbenzene	21,279	1.00	0.850	37.37	2.07	C24060726.D
p & m-Xylene	21,279	1.00	0.880	84.56	4.52	C24060726.D
o-Xylene	21,279	1.00	0.880	46.88	2.50	C24060726.D
1,2,3-Trichloropropane	21,279	1.00	0.750 g	U	U	C24060726.D
Isopropylbenzene	21,279	1.00	0.830 g	U	U	C24060726.D
1,3,5-Trimethylbenzene	21,279	1.00	0.830 g	U	U	C24060726.D
1,2,4-Trimethylbenzene	21,279	1.00	0.830 g	U	U	C24060726.D
1,3-Dichlorobenzene	21,279	1.00	0.750 g	U	U	C24060726.D
1,4-Dichlorobenzene	21,279	1.00	0.750 g	U	U	C24060726.D
1,2-Dichlorobenzene	21,279	1.00	0.750 g	U	U	C24060726.D
1,2,4-Trichlorobenzene	21,279	1.00	0.390 g	U	U	C24060726.D
Naphthalene	21,279	1.00	0.800 g	U	U	C24060726.D
1,2,3-Trichlorobenzene	21,279	1.00	0.390 g	U	U	C24060726.D
2-Methylnaphthalene	21,279	1.00	0.760 g	U	U	C24060726.D
TPH C4-C9	21,279	1.00	0.590 g	131011.70	10,400	C24060726.D
TPH C10-C15	21,279	1.00	0.690 g	98804.53	6,730	C24060726.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-09 **Sample Name:** PSG-25C						
Vinyl Chloride	21,301	1.00	0.810	U	U	C24060727.D
1,1-Dichloroethene	21,301	1.00	0.330	U	U	C24060727.D
Methylene Chloride	21,301	1.00	0.350 g	U	U	C24060727.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,301	1.00	0.890 g	U	U	C24060727.D
trans-1,2-Dichloroethene	21,301	1.00	0.440	U	U	C24060727.D
Methyl-t-butyl ether	21,301	1.00	0.500 g	U	U	C24060727.D
1,1-Dichloroethane	21,301	1.00	0.850	U	U	C24060727.D
cis-1,2-Dichloroethene	21,301	1.00	0.530	U	U	C24060727.D
Chloroform	21,301	1.00	0.350 g	U	U	C24060727.D
1,2-Dichloroethane	21,301	1.00	0.560	U	U	C24060727.D
1,1,1-Trichloroethane	21,301	1.00	1.050	U	U	C24060727.D
Carbon Tetrachloride	21,301	1.00	0.430 g	U	U	C24060727.D
Benzene	21,301	1.00	0.530	96.72	8.57	C24060727.D
Trichloroethene	21,301	1.00	0.330	U	U	C24060727.D
1,4-Dioxane	21,301	1.00	0.410 g	U	U	C24060727.D
1,1,2-Trichloroethane	21,301	1.00	0.330 g	U	U	C24060727.D
Toluene	21,301	1.00	0.400	78.62	9.23	C24060727.D
1,2-Dibromoethane (EDB)	21,301	1.00	0.390 g	U	U	C24060727.D
Tetrachloroethene	21,301	1.00	0.410	90.88	10.4	C24060727.D
1,1,1,2-Tetrachloroethane	21,301	1.00	0.410 g	U	U	C24060727.D
Chlorobenzene	21,301	1.00	0.850 g	U	U	C24060727.D
Ethylbenzene	21,301	1.00	0.850	U	U	C24060727.D
p & m-Xylene	21,301	1.00	0.880	113.63	6.06	C24060727.D
o-Xylene	21,301	1.00	0.880	54.31	2.90	C24060727.D
1,2,3-Trichloropropane	21,301	1.00	0.750 g	U	U	C24060727.D
Isopropylbenzene	21,301	1.00	0.830 g	U	U	C24060727.D
1,3,5-Trimethylbenzene	21,301	1.00	0.830 g	31.38	1.77	C24060727.D
1,2,4-Trimethylbenzene	21,301	1.00	0.830 g	103.59	5.86	C24060727.D
1,3-Dichlorobenzene	21,301	1.00	0.750 g	U	U	C24060727.D
1,4-Dichlorobenzene	21,301	1.00	0.750 g	U	U	C24060727.D
1,2-Dichlorobenzene	21,301	1.00	0.750 g	U	U	C24060727.D
1,2,4-Trichlorobenzene	21,301	1.00	0.390 g	U	U	C24060727.D
Naphthalene	21,301	1.00	0.800 g	80.29	4.71	C24060727.D
1,2,3-Trichlorobenzene	21,301	1.00	0.390 g	U	U	C24060727.D
2-Methylnaphthalene	21,301	1.00	0.760 g	35.08	2.17	C24060727.D
TPH C4-C9	21,301	1.00	0.590 g	U	U	C24060727.D
TPH C10-C15	21,301	1.00	0.690 g	U	U	C24060727.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-10 **Sample Name:** PSG-25D						
Vinyl Chloride	21,320	1.00	0.810	U	U	C24060728.D
1,1-Dichloroethene	21,320	1.00	0.330	U	U	C24060728.D
Methylene Chloride	21,320	1.00	0.350 g	U	U	C24060728.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,320	1.00	0.890 g	U	U	C24060728.D
trans-1,2-Dichloroethene	21,320	1.00	0.440	U	U	C24060728.D
Methyl-t-butyl ether	21,320	1.00	0.500 g	U	U	C24060728.D
1,1-Dichloroethane	21,320	1.00	0.850	U	U	C24060728.D
cis-1,2-Dichloroethene	21,320	1.00	0.530	U	U	C24060728.D
Chloroform	21,320	1.00	0.350 g	U	U	C24060728.D
1,2-Dichloroethane	21,320	1.00	0.560	U	U	C24060728.D
1,1,1-Trichloroethane	21,320	1.00	1.050	U	U	C24060728.D
Carbon Tetrachloride	21,320	1.00	0.430 g	U	U	C24060728.D
Benzene	21,320	1.00	0.530	87.53	7.75	C24060728.D
Trichloroethene	21,320	1.00	0.330	17.35	2.47	C24060728.D
1,4-Dioxane	21,320	1.00	0.410 g	U	U	C24060728.D
1,1,2-Trichloroethane	21,320	1.00	0.330 g	U	U	C24060728.D
Toluene	21,320	1.00	0.400	58.52	6.86	C24060728.D
1,2-Dibromoethane (EDB)	21,320	1.00	0.390 g	U	U	C24060728.D
Tetrachloroethene	21,320	1.00	0.410	173.06	19.8	C24060728.D
1,1,1,2-Tetrachloroethane	21,320	1.00	0.410 g	U	U	C24060728.D
Chlorobenzene	21,320	1.00	0.850 g	U	U	C24060728.D
Ethylbenzene	21,320	1.00	0.850	U	U	C24060728.D
p & m-Xylene	21,320	1.00	0.880	62.87	3.35	C24060728.D
o-Xylene	21,320	1.00	0.880	44.49	2.37	C24060728.D
1,2,3-Trichloropropane	21,320	1.00	0.750 g	U	U	C24060728.D
Isopropylbenzene	21,320	1.00	0.830 g	U	U	C24060728.D
1,3,5-Trimethylbenzene	21,320	1.00	0.830 g	U	U	C24060728.D
1,2,4-Trimethylbenzene	21,320	1.00	0.830 g	U	U	C24060728.D
1,3-Dichlorobenzene	21,320	1.00	0.750 g	U	U	C24060728.D
1,4-Dichlorobenzene	21,320	1.00	0.750 g	U	U	C24060728.D
1,2-Dichlorobenzene	21,320	1.00	0.750 g	U	U	C24060728.D
1,2,4-Trichlorobenzene	21,320	1.00	0.390 g	U	U	C24060728.D
Naphthalene	21,320	1.00	0.800 g	U	U	C24060728.D
1,2,3-Trichlorobenzene	21,320	1.00	0.390 g	U	U	C24060728.D
2-Methylnaphthalene	21,320	1.00	0.760 g	U	U	C24060728.D
TPH C4-C9	21,320	1.00	0.590 g	30249.97	2,400	C24060728.D
TPH C10-C15	21,320	1.00	0.690 g	15526.62	1,060	C24060728.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-11 **Sample Name:** PSG-41A						
Vinyl Chloride	21,603	1.00	0.810	U	U	C24060729.D
1,1-Dichloroethene	21,603	1.00	0.330	U	U	C24060729.D
Methylene Chloride	21,603	1.00	0.350 g	U	U	C24060729.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,603	1.00	0.890 g	U	U	C24060729.D
trans-1,2-Dichloroethene	21,603	1.00	0.440	U	U	C24060729.D
Methyl-t-butyl ether	21,603	1.00	0.500 g	U	U	C24060729.D
1,1-Dichloroethane	21,603	1.00	0.850	U	U	C24060729.D
cis-1,2-Dichloroethene	21,603	1.00	0.530	U	U	C24060729.D
Chloroform	21,603	1.00	0.350 g	U	U	C24060729.D
1,2-Dichloroethane	21,603	1.00	0.560	U	U	C24060729.D
1,1,1-Trichloroethane	21,603	1.00	1.050	U	U	C24060729.D
Carbon Tetrachloride	21,603	1.00	0.430 g	U	U	C24060729.D
Benzene	21,603	1.00	0.530	71.37	6.23	C24060729.D
Trichloroethene	21,603	1.00	0.330	U	U	C24060729.D
1,4-Dioxane	21,603	1.00	0.410 g	U	U	C24060729.D
1,1,2-Trichloroethane	21,603	1.00	0.330 g	U	U	C24060729.D
Toluene	21,603	1.00	0.400	U	U	C24060729.D
1,2-Dibromoethane (EDB)	21,603	1.00	0.390 g	U	U	C24060729.D
Tetrachloroethene	21,603	1.00	0.410	U	U	C24060729.D
1,1,1,2-Tetrachloroethane	21,603	1.00	0.410 g	U	U	C24060729.D
Chlorobenzene	21,603	1.00	0.850 g	U	U	C24060729.D
Ethylbenzene	21,603	1.00	0.850	U	U	C24060729.D
p & m-Xylene	21,603	1.00	0.880	U	U	C24060729.D
o-Xylene	21,603	1.00	0.880	U	U	C24060729.D
1,2,3-Trichloropropane	21,603	1.00	0.750 g	U	U	C24060729.D
Isopropylbenzene	21,603	1.00	0.830 g	U	U	C24060729.D
1,3,5-Trimethylbenzene	21,603	1.00	0.830 g	U	U	C24060729.D
1,2,4-Trimethylbenzene	21,603	1.00	0.830 g	U	U	C24060729.D
1,3-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060729.D
1,4-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060729.D
1,2-Dichlorobenzene	21,603	1.00	0.750 g	U	U	C24060729.D
1,2,4-Trichlorobenzene	21,603	1.00	0.390 g	U	U	C24060729.D
Naphthalene	21,603	1.00	0.800 g	U	U	C24060729.D
1,2,3-Trichlorobenzene	21,603	1.00	0.390 g	U	U	C24060729.D
2-Methylnaphthalene	21,603	1.00	0.760 g	U	U	C24060729.D
TPH C4-C9	21,603	1.00	0.590 g	U	U	C24060729.D
TPH C10-C15	21,603	1.00	0.690 g	U	U	C24060729.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-12 **Sample Name:** PSG-41B						
Vinyl Chloride	21,599	1.00	0.810	U	U	C24060730.D
1,1-Dichloroethene	21,599	1.00	0.330	67.09	9.41	C24060730.D
Methylene Chloride	21,599	1.00	0.350 g	U	U	C24060730.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,599	1.00	0.890 g	U	U	C24060730.D
trans-1,2-Dichloroethene	21,599	1.00	0.440	54.56	5.74	C24060730.D
Methyl-t-butyl ether	21,599	1.00	0.500 g	U	U	C24060730.D
1,1-Dichloroethane	21,599	1.00	0.850	U	U	C24060730.D
cis-1,2-Dichloroethene	21,599	1.00	0.530	288.65	25.2	C24060730.D
Chloroform	21,599	1.00	0.350 g	U	U	C24060730.D
1,2-Dichloroethane	21,599	1.00	0.560	U	U	C24060730.D
1,1,1-Trichloroethane	21,599	1.00	1.050	U	U	C24060730.D
Carbon Tetrachloride	21,599	1.00	0.430 g	U	U	C24060730.D
Benzene	21,599	1.00	0.530	29.98	2.62	C24060730.D
Trichloroethene	21,599	1.00	0.330	9750.77	1,370	C24060730.D
1,4-Dioxane	21,599	1.00	0.410 g	U	U	C24060730.D
1,1,2-Trichloroethane	21,599	1.00	0.330 g	U	U	C24060730.D
Toluene	21,599	1.00	0.400	U	U	C24060730.D
1,2-Dibromoethane (EDB)	21,599	1.00	0.390 g	U	U	C24060730.D
Tetrachloroethene	21,599	1.00	0.410	162.43	18.3	C24060730.D
1,1,1,2-Tetrachloroethane	21,599	1.00	0.410 g	U	U	C24060730.D
Chlorobenzene	21,599	1.00	0.850 g	U	U	C24060730.D
Ethylbenzene	21,599	1.00	0.850	U	U	C24060730.D
p & m-Xylene	21,599	1.00	0.880	U	U	C24060730.D
o-Xylene	21,599	1.00	0.880	U	U	C24060730.D
1,2,3-Trichloropropane	21,599	1.00	0.750 g	U	U	C24060730.D
Isopropylbenzene	21,599	1.00	0.830 g	U	U	C24060730.D
1,3,5-Trimethylbenzene	21,599	1.00	0.830 g	U	U	C24060730.D
1,2,4-Trimethylbenzene	21,599	1.00	0.830 g	U	U	C24060730.D
1,3-Dichlorobenzene	21,599	1.00	0.750 g	U	U	C24060730.D
1,4-Dichlorobenzene	21,599	1.00	0.750 g	U	U	C24060730.D
1,2-Dichlorobenzene	21,599	1.00	0.750 g	U	U	C24060730.D
1,2,4-Trichlorobenzene	21,599	1.00	0.390 g	U	U	C24060730.D
Naphthalene	21,599	1.00	0.800 g	U	U	C24060730.D
1,2,3-Trichlorobenzene	21,599	1.00	0.390 g	U	U	C24060730.D
2-Methylnaphthalene	21,599	1.00	0.760 g	U	U	C24060730.D
TPH C4-C9	21,599	1.00	0.590 g	U	U	C24060730.D
TPH C10-C15	21,599	1.00	0.690 g	U	U	C24060730.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-13 **Sample Name:** PSG-41C						
Vinyl Chloride	21,578	1.00	0.810	U	U	C24060731.D
1,1-Dichloroethene	21,578	1.00	0.330	24.89	3.50	C24060731.D
Methylene Chloride	21,578	1.00	0.350 g	U	U	C24060731.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,578	1.00	0.890 g	U	U	C24060731.D
trans-1,2-Dichloroethene	21,578	1.00	0.440	30.24	3.19	C24060731.D
Methyl-t-butyl ether	21,578	1.00	0.500 g	U	U	C24060731.D
1,1-Dichloroethane	21,578	1.00	0.850	U	U	C24060731.D
cis-1,2-Dichloroethene	21,578	1.00	0.530	188.24	16.5	C24060731.D
Chloroform	21,578	1.00	0.350 g	U	U	C24060731.D
1,2-Dichloroethane	21,578	1.00	0.560	U	U	C24060731.D
1,1,1-Trichloroethane	21,578	1.00	1.050	U	U	C24060731.D
Carbon Tetrachloride	21,578	1.00	0.430 g	U	U	C24060731.D
Benzene	21,578	1.00	0.530	29.85	2.61	C24060731.D
Trichloroethene	21,578	1.00	0.330	4824.09	677	C24060731.D
1,4-Dioxane	21,578	1.00	0.410 g	U	U	C24060731.D
1,1,2-Trichloroethane	21,578	1.00	0.330 g	U	U	C24060731.D
Toluene	21,578	1.00	0.400	U	U	C24060731.D
1,2-Dibromoethane (EDB)	21,578	1.00	0.390 g	U	U	C24060731.D
Tetrachloroethene	21,578	1.00	0.410	U	U	C24060731.D
1,1,1,2-Tetrachloroethane	21,578	1.00	0.410 g	U	U	C24060731.D
Chlorobenzene	21,578	1.00	0.850 g	U	U	C24060731.D
Ethylbenzene	21,578	1.00	0.850	U	U	C24060731.D
p & m-Xylene	21,578	1.00	0.880	U	U	C24060731.D
o-Xylene	21,578	1.00	0.880	U	U	C24060731.D
1,2,3-Trichloropropane	21,578	1.00	0.750 g	U	U	C24060731.D
Isopropylbenzene	21,578	1.00	0.830 g	U	U	C24060731.D
1,3,5-Trimethylbenzene	21,578	1.00	0.830 g	U	U	C24060731.D
1,2,4-Trimethylbenzene	21,578	1.00	0.830 g	U	U	C24060731.D
1,3-Dichlorobenzene	21,578	1.00	0.750 g	U	U	C24060731.D
1,4-Dichlorobenzene	21,578	1.00	0.750 g	U	U	C24060731.D
1,2-Dichlorobenzene	21,578	1.00	0.750 g	U	U	C24060731.D
1,2,4-Trichlorobenzene	21,578	1.00	0.390 g	U	U	C24060731.D
Naphthalene	21,578	1.00	0.800 g	U	U	C24060731.D
1,2,3-Trichlorobenzene	21,578	1.00	0.390 g	U	U	C24060731.D
2-Methylnaphthalene	21,578	1.00	0.760 g	U	U	C24060731.D
TPH C4-C9	21,578	1.00	0.590 g	U	U	C24060731.D
TPH C10-C15	21,578	1.00	0.690 g	U	U	C24060731.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-14 **Sample Name:** PSG-41D						
Vinyl Chloride	21,560	1.00	0.810	U	U	C24060732.D
1,1-Dichloroethene	21,560	1.00	0.330	129.79	18.2	C24060732.D
Methylene Chloride	21,560	1.00	0.350 g	U	U	C24060732.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,560	1.00	0.890 g	U	U	C24060732.D
trans-1,2-Dichloroethene	21,560	1.00	0.440	66.60	7.02	C24060732.D
Methyl-t-butyl ether	21,560	1.00	0.500 g	U	U	C24060732.D
1,1-Dichloroethane	21,560	1.00	0.850	U	U	C24060732.D
cis-1,2-Dichloroethene	21,560	1.00	0.530	367.17	32.1	C24060732.D
Chloroform	21,560	1.00	0.350 g	U	U	C24060732.D
1,2-Dichloroethane	21,560	1.00	0.560	U	U	C24060732.D
1,1,1-Trichloroethane	21,560	1.00	1.050	U	U	C24060732.D
Carbon Tetrachloride	21,560	1.00	0.430 g	U	U	C24060732.D
Benzene	21,560	1.00	0.530	51.21	4.48	C24060732.D
Trichloroethene	21,560	19.05	0.330	1973.82	5,280	C24061005.D
1,4-Dioxane	21,560	1.00	0.410 g	U	U	C24060732.D
1,1,2-Trichloroethane	21,560	1.00	0.330 g	U	U	C24060732.D
Toluene	21,560	1.00	0.400	U	U	C24060732.D
1,2-Dibromoethane (EDB)	21,560	1.00	0.390 g	U	U	C24060732.D
Tetrachloroethene	21,560	1.00	0.410	13.59	1.54	C24060732.D
1,1,1,2-Tetrachloroethane	21,560	1.00	0.410 g	U	U	C24060732.D
Chlorobenzene	21,560	1.00	0.850 g	U	U	C24060732.D
Ethylbenzene	21,560	1.00	0.850	U	U	C24060732.D
p & m-Xylene	21,560	1.00	0.880	U	U	C24060732.D
o-Xylene	21,560	1.00	0.880	U	U	C24060732.D
1,2,3-Trichloropropane	21,560	1.00	0.750 g	U	U	C24060732.D
Isopropylbenzene	21,560	1.00	0.830 g	U	U	C24060732.D
1,3,5-Trimethylbenzene	21,560	1.00	0.830 g	U	U	C24060732.D
1,2,4-Trimethylbenzene	21,560	1.00	0.830 g	U	U	C24060732.D
1,3-Dichlorobenzene	21,560	1.00	0.750 g	U	U	C24060732.D
1,4-Dichlorobenzene	21,560	1.00	0.750 g	U	U	C24060732.D
1,2-Dichlorobenzene	21,560	1.00	0.750 g	U	U	C24060732.D
1,2,4-Trichlorobenzene	21,560	1.00	0.390 g	U	U	C24060732.D
Naphthalene	21,560	1.00	0.800 g	U	U	C24060732.D
1,2,3-Trichlorobenzene	21,560	1.00	0.390 g	U	U	C24060732.D
2-Methylnaphthalene	21,560	1.00	0.760 g	U	U	C24060732.D
TPH C4-C9	21,560	1.00	0.590 g	U	U	C24060732.D
TPH C10-C15	21,560	1.00	0.690 g	U	U	C24060732.D

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-15 **Sample Name:** PSG-62A						
Vinyl Chloride	21,193	1.00	0.810	U	U	C24060733.D
1,1-Dichloroethene	21,193	1.00	0.330	U	U	C24060733.D
Methylene Chloride	21,193	1.00	0.350 g	U	U	C24060733.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,193	1.00	0.890 g	U	U	C24060733.D
trans-1,2-Dichloroethene	21,193	1.00	0.440	U	U	C24060733.D
Methyl-t-butyl ether	21,193	1.00	0.500 g	U	U	C24060733.D
1,1-Dichloroethane	21,193	1.00	0.850	U	U	C24060733.D
cis-1,2-Dichloroethene	21,193	1.00	0.530	18.00	1.60	C24060733.D
Chloroform	21,193	1.00	0.350 g	U	U	C24060733.D
1,2-Dichloroethane	21,193	1.00	0.560	U	U	C24060733.D
1,1,1-Trichloroethane	21,193	1.00	1.050	U	U	C24060733.D
Carbon Tetrachloride	21,193	1.00	0.430 g	U	U	C24060733.D
Benzene	21,193	1.00	0.530	206.38	18.4	C24060733.D
Trichloroethene	21,193	1.00	0.330	644.37	92.1	C24060733.D
1,4-Dioxane	21,193	1.00	0.410 g	U	U	C24060733.D
1,1,2-Trichloroethane	21,193	1.00	0.330 g	U	U	C24060733.D
Toluene	21,193	1.00	0.400	142.29	16.8	C24060733.D
1,2-Dibromoethane (EDB)	21,193	1.00	0.390 g	U	U	C24060733.D
Tetrachloroethene	21,193	1.00	0.410	474.39	54.6	C24060733.D
1,1,1,2-Tetrachloroethane	21,193	1.00	0.410 g	U	U	C24060733.D
Chlorobenzene	21,193	1.00	0.850 g	U	U	C24060733.D
Ethylbenzene	21,193	1.00	0.850	35.75	1.98	C24060733.D
p & m-Xylene	21,193	1.00	0.880	95.58	5.12	C24060733.D
o-Xylene	21,193	1.00	0.880	78.00	4.18	C24060733.D
1,2,3-Trichloropropane	21,193	1.00	0.750 g	U	U	C24060733.D
Isopropylbenzene	21,193	1.00	0.830 g	U	U	C24060733.D
1,3,5-Trimethylbenzene	21,193	1.00	0.830 g	92.38	5.25	C24060733.D
1,2,4-Trimethylbenzene	21,193	1.00	0.830 g	167.03	9.50	C24060733.D
1,3-Dichlorobenzene	21,193	1.00	0.750 g	U	U	C24060733.D
1,4-Dichlorobenzene	21,193	1.00	0.750 g	28.39	1.79	C24060733.D
1,2-Dichlorobenzene	21,193	1.00	0.750 g	62.41	3.93	C24060733.D
1,2,4-Trichlorobenzene	21,193	1.00	0.390 g	U	U	C24060733.D
Naphthalene	21,193	342.15	0.800 g	52.09	1,050	C24061010.D
1,2,3-Trichlorobenzene	21,193	1.00	0.390 g	U	U	C24060733.D
2-Methylnaphthalene	21,193	19.05	0.760 g	703.71	832	C24061006.D
TPH C4-C9	21,193	1.00	0.590 g	9543.01	763	C24060733.D
TPH C10-C15	21,193	1.00	0.690 g	23595.63	1,610	C24060733.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-16 **Sample Name:** DUP-02						
Vinyl Chloride	21,193	1.00	0.810	U	U	C24060734.D
1,1-Dichloroethene	21,193	1.00	0.330	U	U	C24060734.D
Methylene Chloride	21,193	1.00	0.350 g	U	U	C24060734.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,193	1.00	0.890 g	U	U	C24060734.D
trans-1,2-Dichloroethene	21,193	1.00	0.440	U	U	C24060734.D
Methyl-t-butyl ether	21,193	1.00	0.500 g	U	U	C24060734.D
1,1-Dichloroethane	21,193	1.00	0.850	U	U	C24060734.D
cis-1,2-Dichloroethene	21,193	1.00	0.530	U	U	C24060734.D
Chloroform	21,193	1.00	0.350 g	U	U	C24060734.D
1,2-Dichloroethane	21,193	1.00	0.560	U	U	C24060734.D
1,1,1-Trichloroethane	21,193	1.00	1.050	U	U	C24060734.D
Carbon Tetrachloride	21,193	1.00	0.430 g	U	U	C24060734.D
Benzene	21,193	1.00	0.530	59.46	5.29	C24060734.D
Trichloroethene	21,193	1.00	0.330	376.74	53.9	C24060734.D
1,4-Dioxane	21,193	1.00	0.410 g	U	U	C24060734.D
1,1,2-Trichloroethane	21,193	1.00	0.330 g	U	U	C24060734.D
Toluene	21,193	1.00	0.400	38.69	4.56	C24060734.D
1,2-Dibromoethane (EDB)	21,193	1.00	0.390 g	U	U	C24060734.D
Tetrachloroethene	21,193	1.00	0.410	189.27	21.8	C24060734.D
1,1,1,2-Tetrachloroethane	21,193	1.00	0.410 g	U	U	C24060734.D
Chlorobenzene	21,193	1.00	0.850 g	U	U	C24060734.D
Ethylbenzene	21,193	1.00	0.850	U	U	C24060734.D
p & m-Xylene	21,193	1.00	0.880	41.61	2.23	C24060734.D
o-Xylene	21,193	1.00	0.880	29.31	1.57	C24060734.D
1,2,3-Trichloropropane	21,193	1.00	0.750 g	U	U	C24060734.D
Isopropylbenzene	21,193	1.00	0.830 g	U	U	C24060734.D
1,3,5-Trimethylbenzene	21,193	1.00	0.830 g	73.85	4.20	C24060734.D
1,2,4-Trimethylbenzene	21,193	1.00	0.830 g	144.36	8.21	C24060734.D
1,3-Dichlorobenzene	21,193	1.00	0.750 g	U	U	C24060734.D
1,4-Dichlorobenzene	21,193	1.00	0.750 g	25.99	1.64	C24060734.D
1,2-Dichlorobenzene	21,193	1.00	0.750 g	53.15	3.34	C24060734.D
1,2,4-Trichlorobenzene	21,193	1.00	0.390 g	U	U	C24060734.D
Naphthalene	21,193	342.15	0.800 g	59.89	1,210	C24061011.D
1,2,3-Trichlorobenzene	21,193	1.00	0.390 g	U	U	C24060734.D
2-Methylnaphthalene	21,193	19.05	0.760 g	815.26	964	C24061007.D
TPH C4-C9	21,193	1.00	0.590 g	U	U	C24060734.D
TPH C10-C15	21,193	1.00	0.690 g	24318.15	1,660	C24060734.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-17 **Sample Name:** PSG-62B						
Vinyl Chloride	21,186	1.00	0.810	U	U	C24060735.D
1,1-Dichloroethene	21,186	1.00	0.330	22.11	3.16	C24060735.D
Methylene Chloride	21,186	1.00	0.350 g	U	U	C24060735.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,186	1.00	0.890 g	U	U	C24060735.D
trans-1,2-Dichloroethene	21,186	1.00	0.440	166.76	17.9	C24060735.D
Methyl-t-butyl ether	21,186	1.00	0.500 g	U	U	C24060735.D
1,1-Dichloroethane	21,186	1.00	0.850	U	U	C24060735.D
cis-1,2-Dichloroethene	21,186	1.00	0.530	298.71	26.6	C24060735.D
Chloroform	21,186	1.00	0.350 g	U	U	C24060735.D
1,2-Dichloroethane	21,186	1.00	0.560	U	U	C24060735.D
1,1,1-Trichloroethane	21,186	1.00	1.050	U	U	C24060735.D
Carbon Tetrachloride	21,186	1.00	0.430 g	U	U	C24060735.D
Benzene	21,186	1.00	0.530	32.24	2.87	C24060735.D
Trichloroethene	21,186	1.00	0.330	2406.34	344	C24060735.D
1,4-Dioxane	21,186	1.00	0.410 g	13.51	1.56	C24060735.D
1,1,2-Trichloroethane	21,186	1.00	0.330 g	U	U	C24060735.D
Toluene	21,186	1.00	0.400	U	U	C24060735.D
1,2-Dibromoethane (EDB)	21,186	1.00	0.390 g	U	U	C24060735.D
Tetrachloroethene	21,186	1.00	0.410	32.20	3.71	C24060735.D
1,1,1,2-Tetrachloroethane	21,186	1.00	0.410 g	U	U	C24060735.D
Chlorobenzene	21,186	1.00	0.850 g	U	U	C24060735.D
Ethylbenzene	21,186	1.00	0.850	U	U	C24060735.D
p & m-Xylene	21,186	1.00	0.880	42.38	2.27	C24060735.D
o-Xylene	21,186	1.00	0.880	U	U	C24060735.D
1,2,3-Trichloropropane	21,186	1.00	0.750 g	U	U	C24060735.D
Isopropylbenzene	21,186	1.00	0.830 g	U	U	C24060735.D
1,3,5-Trimethylbenzene	21,186	1.00	0.830 g	U	U	C24060735.D
1,2,4-Trimethylbenzene	21,186	1.00	0.830 g	U	U	C24060735.D
1,3-Dichlorobenzene	21,186	1.00	0.750 g	U	U	C24060735.D
1,4-Dichlorobenzene	21,186	1.00	0.750 g	U	U	C24060735.D
1,2-Dichlorobenzene	21,186	1.00	0.750 g	U	U	C24060735.D
1,2,4-Trichlorobenzene	21,186	1.00	0.390 g	U	U	C24060735.D
Naphthalene	21,186	1.00	0.800 g	279.22	16.5	C24060735.D
1,2,3-Trichlorobenzene	21,186	1.00	0.390 g	U	U	C24060735.D
2-Methylnaphthalene	21,186	1.00	0.760 g	119.19	7.40	C24060735.D
TPH C4-C9	21,186	1.00	0.590 g	8474.29	678	C24060735.D
TPH C10-C15	21,186	1.00	0.690 g	U	U	C24060735.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-18 **Sample Name:** PSG-62C						
Vinyl Chloride	21,168	1.00	0.810	U	U	C24060736.D
1,1-Dichloroethene	21,168	1.00	0.330	U	U	C24060736.D
Methylene Chloride	21,168	1.00	0.350 g	U	U	C24060736.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,168	1.00	0.890 g	U	U	C24060736.D
trans-1,2-Dichloroethene	21,168	1.00	0.440	U	U	C24060736.D
Methyl-t-butyl ether	21,168	1.00	0.500 g	U	U	C24060736.D
1,1-Dichloroethane	21,168	1.00	0.850	U	U	C24060736.D
cis-1,2-Dichloroethene	21,168	1.00	0.530	22.12	1.97	C24060736.D
Chloroform	21,168	1.00	0.350 g	U	U	C24060736.D
1,2-Dichloroethane	21,168	1.00	0.560	U	U	C24060736.D
1,1,1-Trichloroethane	21,168	1.00	1.050	U	U	C24060736.D
Carbon Tetrachloride	21,168	1.00	0.430 g	U	U	C24060736.D
Benzene	21,168	1.00	0.530	52.57	4.69	C24060736.D
Trichloroethene	21,168	1.00	0.330	1044.21	149	C24060736.D
1,4-Dioxane	21,168	1.00	0.410 g	12.65	1.46	C24060736.D
1,1,2-Trichloroethane	21,168	1.00	0.330 g	U	U	C24060736.D
Toluene	21,168	1.00	0.400	33.35	3.94	C24060736.D
1,2-Dibromoethane (EDB)	21,168	1.00	0.390 g	U	U	C24060736.D
Tetrachloroethene	21,168	1.00	0.410	24.30	2.80	C24060736.D
1,1,1,2-Tetrachloroethane	21,168	1.00	0.410 g	U	U	C24060736.D
Chlorobenzene	21,168	1.00	0.850 g	U	U	C24060736.D
Ethylbenzene	21,168	1.00	0.850	U	U	C24060736.D
p & m-Xylene	21,168	1.00	0.880	U	U	C24060736.D
o-Xylene	21,168	1.00	0.880	U	U	C24060736.D
1,2,3-Trichloropropane	21,168	1.00	0.750 g	U	U	C24060736.D
Isopropylbenzene	21,168	1.00	0.830 g	U	U	C24060736.D
1,3,5-Trimethylbenzene	21,168	1.00	0.830 g	U	U	C24060736.D
1,2,4-Trimethylbenzene	21,168	1.00	0.830 g	U	U	C24060736.D
1,3-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060736.D
1,4-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060736.D
1,2-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060736.D
1,2,4-Trichlorobenzene	21,168	1.00	0.390 g	U	U	C24060736.D
Naphthalene	21,168	1.00	0.800 g	120.78	7.13	C24060736.D
1,2,3-Trichlorobenzene	21,168	1.00	0.390 g	U	U	C24060736.D
2-Methylnaphthalene	21,168	1.00	0.760 g	40.48	2.52	C24060736.D
TPH C4-C9	21,168	1.00	0.590 g	U	U	C24060736.D
TPH C10-C15	21,168	1.00	0.690 g	U	U	C24060736.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007787-19 **Sample Name:** PSG-62D						
Vinyl Chloride	21,168	1.00	0.810	U	U	C24060737.D
1,1-Dichloroethene	21,168	1.00	0.330	117.83	16.9	C24060737.D
Methylene Chloride	21,168	1.00	0.350 g	U	U	C24060737.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,168	1.00	0.890 g	U	U	C24060737.D
trans-1,2-Dichloroethene	21,168	1.00	0.440	117.50	12.6	C24060737.D
Methyl-t-butyl ether	21,168	1.00	0.500 g	U	U	C24060737.D
1,1-Dichloroethane	21,168	1.00	0.850	U	U	C24060737.D
cis-1,2-Dichloroethene	21,168	1.00	0.530	522.51	46.6	C24060737.D
Chloroform	21,168	1.00	0.350 g	U	U	C24060737.D
1,2-Dichloroethane	21,168	1.00	0.560	U	U	C24060737.D
1,1,1-Trichloroethane	21,168	1.00	1.050	U	U	C24060737.D
Carbon Tetrachloride	21,168	1.00	0.430 g	U	U	C24060737.D
Benzene	21,168	1.00	0.530	95.08	8.47	C24060737.D
Trichloroethene	21,168	19.05	0.330	2360.99	6,440	C24061008.D
1,4-Dioxane	21,168	1.00	0.410 g	U	U	C24060737.D
1,1,2-Trichloroethane	21,168	1.00	0.330 g	U	U	C24060737.D
Toluene	21,168	1.00	0.400	48.30	5.70	C24060737.D
1,2-Dibromoethane (EDB)	21,168	1.00	0.390 g	U	U	C24060737.D
Tetrachloroethene	21,168	1.00	0.410	2614.71	301	C24060737.D
1,1,1,2-Tetrachloroethane	21,168	1.00	0.410 g	U	U	C24060737.D
Chlorobenzene	21,168	1.00	0.850 g	U	U	C24060737.D
Ethylbenzene	21,168	1.00	0.850	U	U	C24060737.D
p & m-Xylene	21,168	1.00	0.880	U	U	C24060737.D
o-Xylene	21,168	1.00	0.880	U	U	C24060737.D
1,2,3-Trichloropropane	21,168	1.00	0.750 g	U	U	C24060737.D
Isopropylbenzene	21,168	1.00	0.830 g	U	U	C24060737.D
1,3,5-Trimethylbenzene	21,168	1.00	0.830 g	U	U	C24060737.D
1,2,4-Trimethylbenzene	21,168	1.00	0.830 g	U	U	C24060737.D
1,3-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060737.D
1,4-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060737.D
1,2-Dichlorobenzene	21,168	1.00	0.750 g	U	U	C24060737.D
1,2,4-Trichlorobenzene	21,168	1.00	0.390 g	U	U	C24060737.D
Naphthalene	21,168	1.00	0.800 g	U	U	C24060737.D
1,2,3-Trichlorobenzene	21,168	1.00	0.390 g	U	U	C24060737.D
2-Methylnaphthalene	21,168	1.00	0.760 g	U	U	C24060737.D
TPH C4-C9	21,168	1.00	0.590 g	U	U	C24060737.D
TPH C10-C15	21,168	1.00	0.690 g	U	U	C24060737.D

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Calculations:

$$C = \frac{1000 \times M \times DF}{U \times t}$$

where: C = concentration ($\mu g/m^3$)
M = mass (ng)
DF = dilution factor
t = sampling time (minutes)
U = compound specific uptake rate

[g] = Uptake rate determined using Graham's Law of Diffusion.

Reference: Federal Register/Vol. 79, No. 125/June 30, 2014

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-01 **Sample Name:** Trip-1

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,603	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,603	1.00	0.330	10.0	1.40
Methylene Chloride	21,603	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,603	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,603	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,603	1.00	0.500 g	25.0	2.31
1,1-Dichloroethane	21,603	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,603	1.00	0.530	10.0	0.87
Chloroform	21,603	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,603	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,603	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,603	1.00	0.430 g	10.0	1.08
Benzene	21,603	1.00	0.530	25.0	2.18
Trichloroethene	21,603	1.00	0.330	10.0	1.40
1,4-Dioxane	21,603	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,603	1.00	0.330 g	10.0	1.40
Toluene	21,603	1.00	0.400	25.0	2.89
1,2-Dibromoethane (EDB)	21,603	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,603	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,603	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,603	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,603	1.00	0.850	25.0	1.36
p & m-Xylene	21,603	1.00	0.880	25.0	1.32
o-Xylene	21,603	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,603	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,3,5-Trimethylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,2,4-Trimethylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,3-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,603	1.00	0.390 g	10.0	1.19
Naphthalene	21,603	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,603	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,603	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,603	1.00	0.590 g	5,000.0	392
TPH C10-C15	21,603	1.00	0.690 g	5,000.0	335

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-02 **Sample Name:** PSG-10A

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,504	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,504	1.00	0.330	10.0	1.41
Methylene Chloride	21,504	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,504	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,504	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,504	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,504	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,504	1.00	0.530	10.0	0.88
Chloroform	21,504	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,504	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,504	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,504	1.00	0.430 g	10.0	1.08
Benzene	21,504	1.00	0.530	25.0	2.19
Trichloroethene	21,504	1.00	0.330	10.0	1.41
1,4-Dioxane	21,504	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,504	1.00	0.330 g	10.0	1.41
Toluene	21,504	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21,504	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,504	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,504	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,504	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,504	1.00	0.850	25.0	1.37
p & m-Xylene	21,504	1.00	0.880	25.0	1.32
o-Xylene	21,504	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,504	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,504	1.00	0.390 g	10.0	1.19
Naphthalene	21,504	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,504	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,504	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,504	1.00	0.590 g	5,000.0	394
TPH C10-C15	21,504	1.00	0.690 g	5,000.0	337

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-03 **Sample Name:** DUP-01

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,504	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,504	1.00	0.330	10.0	1.41
Methylene Chloride	21,504	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,504	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,504	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,504	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,504	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,504	1.00	0.530	10.0	0.88
Chloroform	21,504	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,504	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,504	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,504	1.00	0.430 g	10.0	1.08
Benzene	21,504	1.00	0.530	25.0	2.19
Trichloroethene	21,504	1.00	0.330	10.0	1.41
1,4-Dioxane	21,504	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,504	1.00	0.330 g	10.0	1.41
Toluene	21,504	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21,504	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,504	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,504	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,504	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,504	1.00	0.850	25.0	1.37
p & m-Xylene	21,504	1.00	0.880	25.0	1.32
o-Xylene	21,504	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,504	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,504	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,504	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,504	1.00	0.390 g	10.0	1.19
Naphthalene	21,504	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,504	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,504	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,504	1.00	0.590 g	5,000.0	394
TPH C10-C15	21,504	1.00	0.690 g	5,000.0	337

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-04 **Sample Name:** PSG-10B

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,381	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,381	1.00	0.330	10.0	1.42
Methylene Chloride	21,381	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,381	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,381	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,381	1.00	0.500 g	25.0	2.34
1,1-Dichloroethane	21,381	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,381	1.00	0.530	10.0	0.88
Chloroform	21,381	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,381	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,381	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,381	1.00	0.430 g	10.0	1.09
Benzene	21,381	1.00	0.530	25.0	2.21
Trichloroethene	21,381	1.00	0.330	10.0	1.42
1,4-Dioxane	21,381	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,381	1.00	0.330 g	10.0	1.42
Toluene	21,381	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,381	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,381	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,381	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,381	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,381	1.00	0.850	25.0	1.38
p & m-Xylene	21,381	1.00	0.880	25.0	1.33
o-Xylene	21,381	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,381	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,381	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,381	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,381	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,381	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,381	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,381	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,381	1.00	0.390 g	10.0	1.20
Naphthalene	21,381	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,381	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,381	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,381	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,381	1.00	0.690 g	5,000.0	339

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-05 **Sample Name:** PSG-10C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,576	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,576	1.00	0.330	10.0	1.40
Methylene Chloride	21,576	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,576	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,576	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,576	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,576	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,576	1.00	0.530	10.0	0.87
Chloroform	21,576	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,576	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,576	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,576	1.00	0.430 g	10.0	1.08
Benzene	21,576	1.00	0.530	25.0	2.19
Trichloroethene	21,576	1.00	0.330	10.0	1.40
1,4-Dioxane	21,576	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,576	1.00	0.330 g	10.0	1.40
Toluene	21,576	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,576	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,576	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,576	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,576	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,576	1.00	0.850	25.0	1.36
p & m-Xylene	21,576	1.00	0.880	25.0	1.32
o-Xylene	21,576	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,576	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,576	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,576	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,576	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,576	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,576	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,576	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,576	1.00	0.390 g	10.0	1.19
Naphthalene	21,576	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,576	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,576	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,576	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,576	1.00	0.690 g	5,000.0	336

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-06 **Sample Name:** PSG-10D

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,386	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,386	1.00	0.330	10.0	1.42
Methylene Chloride	21,386	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,386	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,386	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,386	1.00	0.500 g	25.0	2.34
1,1-Dichloroethane	21,386	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,386	1.00	0.530	10.0	0.88
Chloroform	21,386	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,386	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,386	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,386	1.00	0.430 g	10.0	1.09
Benzene	21,386	1.00	0.530	25.0	2.21
Trichloroethene	21,386	1.00	0.330	10.0	1.42
1,4-Dioxane	21,386	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,386	1.00	0.330 g	10.0	1.42
Toluene	21,386	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,386	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,386	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,386	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,386	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,386	1.00	0.850	25.0	1.38
p & m-Xylene	21,386	1.00	0.880	25.0	1.33
o-Xylene	21,386	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,386	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,386	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,386	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,386	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,386	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,386	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,386	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,386	1.00	0.390 g	10.0	1.20
Naphthalene	21,386	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,386	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,386	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,386	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,386	1.00	0.690 g	5,000.0	339

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-07 **Sample Name:** PSG-25A

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,270	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,270	1.00	0.330	10.0	1.42
Methylene Chloride	21,270	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,270	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,270	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,270	1.00	0.500 g	25.0	2.35
1,1-Dichloroethane	21,270	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,270	1.00	0.530	10.0	0.89
Chloroform	21,270	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,270	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,270	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,270	1.00	0.430 g	10.0	1.09
Benzene	21,270	1.00	0.530	25.0	2.22
Trichloroethene	21,270	1.00	0.330	10.0	1.42
1,4-Dioxane	21,270	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,270	1.00	0.330 g	10.0	1.42
Toluene	21,270	1.00	0.400	25.0	2.94
1,2-Dibromoethane (EDB)	21,270	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,270	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,270	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,270	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,270	1.00	0.850	25.0	1.38
p & m-Xylene	21,270	1.00	0.880	25.0	1.34
o-Xylene	21,270	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,270	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,270	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,270	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,270	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,270	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,270	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,270	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,270	1.00	0.390 g	10.0	1.21
Naphthalene	21,270	1.00	0.800 g	25.0	1.47
1,2,3-Trichlorobenzene	21,270	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,270	1.00	0.760 g	25.0	1.55
TPH C4-C9	21,270	1.00	0.590 g	5,000.0	398
TPH C10-C15	21,270	1.00	0.690 g	5,000.0	341

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-08 **Sample Name:** PSG-25B

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,279	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,279	1.00	0.330	10.0	1.42
Methylene Chloride	21,279	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,279	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,279	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,279	1.00	0.500 g	25.0	2.35
1,1-Dichloroethane	21,279	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,279	1.00	0.530	10.0	0.89
Chloroform	21,279	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,279	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,279	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,279	1.00	0.430 g	10.0	1.09
Benzene	21,279	1.00	0.530	25.0	2.22
Trichloroethene	21,279	1.00	0.330	10.0	1.42
1,4-Dioxane	21,279	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,279	1.00	0.330 g	10.0	1.42
Toluene	21,279	1.00	0.400	25.0	2.94
1,2-Dibromoethane (EDB)	21,279	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,279	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,279	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,279	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,279	1.00	0.850	25.0	1.38
p & m-Xylene	21,279	1.00	0.880	25.0	1.34
o-Xylene	21,279	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,279	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,279	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,279	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,279	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,279	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,279	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,279	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,279	1.00	0.390 g	10.0	1.20
Naphthalene	21,279	1.00	0.800 g	25.0	1.47
1,2,3-Trichlorobenzene	21,279	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,279	1.00	0.760 g	25.0	1.55
TPH C4-C9	21,279	1.00	0.590 g	5,000.0	398
TPH C10-C15	21,279	1.00	0.690 g	5,000.0	341

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-09 **Sample Name:** PSG-25C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,301	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,301	1.00	0.330	10.0	1.42
Methylene Chloride	21,301	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,301	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,301	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,301	1.00	0.500 g	25.0	2.35
1,1-Dichloroethane	21,301	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,301	1.00	0.530	10.0	0.89
Chloroform	21,301	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,301	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,301	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,301	1.00	0.430 g	10.0	1.09
Benzene	21,301	1.00	0.530	25.0	2.21
Trichloroethene	21,301	1.00	0.330	10.0	1.42
1,4-Dioxane	21,301	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,301	1.00	0.330 g	10.0	1.42
Toluene	21,301	1.00	0.400	25.0	2.93
1,2-Dibromoethane (EDB)	21,301	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,301	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,301	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,301	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,301	1.00	0.850	25.0	1.38
p & m-Xylene	21,301	1.00	0.880	25.0	1.33
o-Xylene	21,301	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,301	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,301	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,301	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,301	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,301	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,301	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,301	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,301	1.00	0.390 g	10.0	1.20
Naphthalene	21,301	1.00	0.800 g	25.0	1.47
1,2,3-Trichlorobenzene	21,301	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,301	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,301	1.00	0.590 g	5,000.0	398
TPH C10-C15	21,301	1.00	0.690 g	5,000.0	340

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-10 **Sample Name:** PSG-25D

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,320	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,320	1.00	0.330	10.0	1.42
Methylene Chloride	21,320	1.00	0.350 g	10.0	1.34
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,320	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,320	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,320	1.00	0.500 g	25.0	2.35
1,1-Dichloroethane	21,320	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,320	1.00	0.530	10.0	0.88
Chloroform	21,320	1.00	0.350 g	10.0	1.34
1,2-Dichloroethane	21,320	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,320	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,320	1.00	0.430 g	10.0	1.09
Benzene	21,320	1.00	0.530	25.0	2.21
Trichloroethene	21,320	1.00	0.330	10.0	1.42
1,4-Dioxane	21,320	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,320	1.00	0.330 g	10.0	1.42
Toluene	21,320	1.00	0.400	25.0	2.93
1,2-Dibromoethane (EDB)	21,320	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,320	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,320	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,320	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,320	1.00	0.850	25.0	1.38
p & m-Xylene	21,320	1.00	0.880	25.0	1.33
o-Xylene	21,320	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,320	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,320	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,320	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,320	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,320	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,320	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,320	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,320	1.00	0.390 g	10.0	1.20
Naphthalene	21,320	1.00	0.800 g	25.0	1.47
1,2,3-Trichlorobenzene	21,320	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,320	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,320	1.00	0.590 g	5,000.0	397
TPH C10-C15	21,320	1.00	0.690 g	5,000.0	340

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-11 **Sample Name:** PSG-41A

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,603	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,603	1.00	0.330	10.0	1.40
Methylene Chloride	21,603	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,603	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,603	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,603	1.00	0.500 g	25.0	2.31
1,1-Dichloroethane	21,603	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,603	1.00	0.530	10.0	0.87
Chloroform	21,603	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,603	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,603	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,603	1.00	0.430 g	10.0	1.08
Benzene	21,603	1.00	0.530	25.0	2.18
Trichloroethene	21,603	1.00	0.330	10.0	1.40
1,4-Dioxane	21,603	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,603	1.00	0.330 g	10.0	1.40
Toluene	21,603	1.00	0.400	25.0	2.89
1,2-Dibromoethane (EDB)	21,603	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,603	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,603	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,603	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,603	1.00	0.850	25.0	1.36
p & m-Xylene	21,603	1.00	0.880	25.0	1.32
o-Xylene	21,603	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,603	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,3,5-Trimethylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,2,4-Trimethylbenzene	21,603	1.00	0.830 g	25.0	1.39
1,3-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,603	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,603	1.00	0.390 g	10.0	1.19
Naphthalene	21,603	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,603	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,603	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,603	1.00	0.590 g	5,000.0	392
TPH C10-C15	21,603	1.00	0.690 g	5,000.0	335

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-12 **Sample Name:** PSG-41B

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,599	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,599	1.00	0.330	10.0	1.40
Methylene Chloride	21,599	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,599	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,599	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,599	1.00	0.500 g	25.0	2.31
1,1-Dichloroethane	21,599	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,599	1.00	0.530	10.0	0.87
Chloroform	21,599	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,599	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,599	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,599	1.00	0.430 g	10.0	1.08
Benzene	21,599	1.00	0.530	25.0	2.18
Trichloroethene	21,599	1.00	0.330	10.0	1.40
1,4-Dioxane	21,599	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,599	1.00	0.330 g	10.0	1.40
Toluene	21,599	1.00	0.400	25.0	2.89
1,2-Dibromoethane (EDB)	21,599	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,599	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,599	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,599	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,599	1.00	0.850	25.0	1.36
p & m-Xylene	21,599	1.00	0.880	25.0	1.32
o-Xylene	21,599	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,599	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,599	1.00	0.830 g	25.0	1.39
1,3,5-Trimethylbenzene	21,599	1.00	0.830 g	25.0	1.39
1,2,4-Trimethylbenzene	21,599	1.00	0.830 g	25.0	1.39
1,3-Dichlorobenzene	21,599	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,599	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,599	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,599	1.00	0.390 g	10.0	1.19
Naphthalene	21,599	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,599	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,599	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,599	1.00	0.590 g	5,000.0	392
TPH C10-C15	21,599	1.00	0.690 g	5,000.0	335

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-13 **Sample Name:** PSG-41C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,578	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,578	1.00	0.330	10.0	1.40
Methylene Chloride	21,578	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,578	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,578	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,578	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,578	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,578	1.00	0.530	10.0	0.87
Chloroform	21,578	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,578	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,578	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,578	1.00	0.430 g	10.0	1.08
Benzene	21,578	1.00	0.530	25.0	2.19
Trichloroethene	21,578	1.00	0.330	10.0	1.40
1,4-Dioxane	21,578	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,578	1.00	0.330 g	10.0	1.40
Toluene	21,578	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,578	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,578	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,578	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,578	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,578	1.00	0.850	25.0	1.36
p & m-Xylene	21,578	1.00	0.880	25.0	1.32
o-Xylene	21,578	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,578	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,578	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,578	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,578	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,578	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,578	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,578	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,578	1.00	0.390 g	10.0	1.19
Naphthalene	21,578	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,578	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,578	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,578	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,578	1.00	0.690 g	5,000.0	336

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-14 **Sample Name:** PSG-41D

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,560	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,560	1.00	0.330	10.0	1.41
Methylene Chloride	21,560	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,560	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,560	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,560	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,560	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,560	1.00	0.530	10.0	0.88
Chloroform	21,560	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,560	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,560	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,560	1.00	0.430 g	10.0	1.08
Benzene	21,560	1.00	0.530	25.0	2.19
Trichloroethene	21,560	19.05	0.330	10.0	26.8
1,4-Dioxane	21,560	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,560	1.00	0.330 g	10.0	1.41
Toluene	21,560	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,560	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,560	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,560	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,560	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,560	1.00	0.850	25.0	1.36
p & m-Xylene	21,560	1.00	0.880	25.0	1.32
o-Xylene	21,560	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,560	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,560	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,560	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,560	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,560	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,560	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,560	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,560	1.00	0.390 g	10.0	1.19
Naphthalene	21,560	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,560	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,560	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,560	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,560	1.00	0.690 g	5,000.0	336

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-15 **Sample Name:** PSG-62A

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,193	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,193	1.00	0.330	10.0	1.43
Methylene Chloride	21,193	1.00	0.350 g	10.0	1.35
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,193	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,193	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,193	1.00	0.500 g	25.0	2.36
1,1-Dichloroethane	21,193	1.00	0.850	10.0	0.56
cis-1,2-Dichloroethene	21,193	1.00	0.530	10.0	0.89
Chloroform	21,193	1.00	0.350 g	10.0	1.35
1,2-Dichloroethane	21,193	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,193	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,193	1.00	0.430 g	10.0	1.10
Benzene	21,193	1.00	0.530	25.0	2.23
Trichloroethene	21,193	1.00	0.330	10.0	1.43
1,4-Dioxane	21,193	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,193	1.00	0.330 g	10.0	1.43
Toluene	21,193	1.00	0.400	25.0	2.95
1,2-Dibromoethane (EDB)	21,193	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,193	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,193	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,193	1.00	0.850 g	10.0	0.56
Ethylbenzene	21,193	1.00	0.850	25.0	1.39
p & m-Xylene	21,193	1.00	0.880	25.0	1.34
o-Xylene	21,193	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,193	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,193	1.00	0.390 g	10.0	1.21
Naphthalene	21,193	342.15	0.800 g	25.0	505
1,2,3-Trichlorobenzene	21,193	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,193	19.05	0.760 g	25.0	29.6
TPH C4-C9	21,193	1.00	0.590 g	5,000.0	400
TPH C10-C15	21,193	1.00	0.690 g	5,000.0	342

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-16 **Sample Name:** DUP-02

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,193	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,193	1.00	0.330	10.0	1.43
Methylene Chloride	21,193	1.00	0.350 g	10.0	1.35
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,193	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,193	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,193	1.00	0.500 g	25.0	2.36
1,1-Dichloroethane	21,193	1.00	0.850	10.0	0.56
cis-1,2-Dichloroethene	21,193	1.00	0.530	10.0	0.89
Chloroform	21,193	1.00	0.350 g	10.0	1.35
1,2-Dichloroethane	21,193	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,193	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,193	1.00	0.430 g	10.0	1.10
Benzene	21,193	1.00	0.530	25.0	2.23
Trichloroethene	21,193	1.00	0.330	10.0	1.43
1,4-Dioxane	21,193	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,193	1.00	0.330 g	10.0	1.43
Toluene	21,193	1.00	0.400	25.0	2.95
1,2-Dibromoethane (EDB)	21,193	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,193	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,193	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,193	1.00	0.850 g	10.0	0.56
Ethylbenzene	21,193	1.00	0.850	25.0	1.39
p & m-Xylene	21,193	1.00	0.880	25.0	1.34
o-Xylene	21,193	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,193	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,193	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,193	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,193	1.00	0.390 g	10.0	1.21
Naphthalene	21,193	342.15	0.800 g	25.0	505
1,2,3-Trichlorobenzene	21,193	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,193	19.05	0.760 g	25.0	29.6
TPH C4-C9	21,193	1.00	0.590 g	5,000.0	400
TPH C10-C15	21,193	1.00	0.690 g	5,000.0	342

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-17 **Sample Name:** PSG-62B

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,186	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,186	1.00	0.330	10.0	1.43
Methylene Chloride	21,186	1.00	0.350 g	10.0	1.35
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,186	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,186	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,186	1.00	0.500 g	25.0	2.36
1,1-Dichloroethane	21,186	1.00	0.850	10.0	0.56
cis-1,2-Dichloroethene	21,186	1.00	0.530	10.0	0.89
Chloroform	21,186	1.00	0.350 g	10.0	1.35
1,2-Dichloroethane	21,186	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,186	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,186	1.00	0.430 g	10.0	1.10
Benzene	21,186	1.00	0.530	25.0	2.23
Trichloroethene	21,186	1.00	0.330	10.0	1.43
1,4-Dioxane	21,186	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,186	1.00	0.330 g	10.0	1.43
Toluene	21,186	1.00	0.400	25.0	2.95
1,2-Dibromoethane (EDB)	21,186	1.00	0.390 g	5.0	0.61
Tetrachloroethene	21,186	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,186	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,186	1.00	0.850 g	10.0	0.56
Ethylbenzene	21,186	1.00	0.850	25.0	1.39
p & m-Xylene	21,186	1.00	0.880	25.0	1.34
o-Xylene	21,186	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,186	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,186	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,186	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,186	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,186	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,186	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,186	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,186	1.00	0.390 g	10.0	1.21
Naphthalene	21,186	1.00	0.800 g	25.0	1.48
1,2,3-Trichlorobenzene	21,186	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,186	1.00	0.760 g	25.0	1.55
TPH C4-C9	21,186	1.00	0.590 g	5,000.0	400
TPH C10-C15	21,186	1.00	0.690 g	5,000.0	342

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-18 **Sample Name:** PSG-62C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,168	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,168	1.00	0.330	10.0	1.43
Methylene Chloride	21,168	1.00	0.350 g	10.0	1.35
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,168	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,168	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,168	1.00	0.500 g	25.0	2.36
1,1-Dichloroethane	21,168	1.00	0.850	10.0	0.56
cis-1,2-Dichloroethene	21,168	1.00	0.530	10.0	0.89
Chloroform	21,168	1.00	0.350 g	10.0	1.35
1,2-Dichloroethane	21,168	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,168	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,168	1.00	0.430 g	10.0	1.10
Benzene	21,168	1.00	0.530	25.0	2.23
Trichloroethene	21,168	1.00	0.330	10.0	1.43
1,4-Dioxane	21,168	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,168	1.00	0.330 g	10.0	1.43
Toluene	21,168	1.00	0.400	25.0	2.95
1,2-Dibromoethane (EDB)	21,168	1.00	0.390 g	5.0	0.61
Tetrachloroethene	21,168	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,168	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,168	1.00	0.850 g	10.0	0.56
Ethylbenzene	21,168	1.00	0.850	25.0	1.39
p & m-Xylene	21,168	1.00	0.880	25.0	1.34
o-Xylene	21,168	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,168	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,168	1.00	0.390 g	10.0	1.21
Naphthalene	21,168	1.00	0.800 g	25.0	1.48
1,2,3-Trichlorobenzene	21,168	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,168	1.00	0.760 g	25.0	1.55
TPH C4-C9	21,168	1.00	0.590 g	5,000.0	400
TPH C10-C15	21,168	1.00	0.690 g	5,000.0	342

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007787-19 **Sample Name:** PSG-62D

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,168	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,168	1.00	0.330	10.0	1.43
Methylene Chloride	21,168	1.00	0.350 g	10.0	1.35
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,168	1.00	0.890 g	10.0	0.53
trans-1,2-Dichloroethene	21,168	1.00	0.440	10.0	1.07
Methyl-t-butyl ether	21,168	1.00	0.500 g	25.0	2.36
1,1-Dichloroethane	21,168	1.00	0.850	10.0	0.56
cis-1,2-Dichloroethene	21,168	1.00	0.530	10.0	0.89
Chloroform	21,168	1.00	0.350 g	10.0	1.35
1,2-Dichloroethane	21,168	1.00	0.560	10.0	0.84
1,1,1-Trichloroethane	21,168	1.00	1.050	10.0	0.45
Carbon Tetrachloride	21,168	1.00	0.430 g	10.0	1.10
Benzene	21,168	1.00	0.530	25.0	2.23
Trichloroethene	21,168	19.05	0.330	10.0	27.3
1,4-Dioxane	21,168	1.00	0.410 g	10.0	1.15
1,1,2-Trichloroethane	21,168	1.00	0.330 g	10.0	1.43
Toluene	21,168	1.00	0.400	25.0	2.95
1,2-Dibromoethane (EDB)	21,168	1.00	0.390 g	5.0	0.61
Tetrachloroethene	21,168	1.00	0.410	10.0	1.15
1,1,1,2-Tetrachloroethane	21,168	1.00	0.410 g	10.0	1.15
Chlorobenzene	21,168	1.00	0.850 g	10.0	0.56
Ethylbenzene	21,168	1.00	0.850	25.0	1.39
p & m-Xylene	21,168	1.00	0.880	25.0	1.34
o-Xylene	21,168	1.00	0.880	25.0	1.34
1,2,3-Trichloropropane	21,168	1.00	0.750 g	10.0	0.63
Isopropylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,3,5-Trimethylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,2,4-Trimethylbenzene	21,168	1.00	0.830 g	25.0	1.42
1,3-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,4-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,2-Dichlorobenzene	21,168	1.00	0.750 g	10.0	0.63
1,2,4-Trichlorobenzene	21,168	1.00	0.390 g	10.0	1.21
Naphthalene	21,168	1.00	0.800 g	25.0	1.48
1,2,3-Trichlorobenzene	21,168	1.00	0.390 g	10.0	1.21
2-Methylnaphthalene	21,168	1.00	0.760 g	25.0	1.55
TPH C4-C9	21,168	1.00	0.590 g	5,000.0	400
TPH C10-C15	21,168	1.00	0.690 g	5,000.0	342

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	12/30/2024	
Colorado	MD010912023	Colorado Division of Oil and Public Safety	11/23/2024	
DoD-ELAP	72690/L22-563	United States Department of Defense Environmental Laboratory Accreditation	11/30/2024	
ISO/IEC 17025:2017	72690/L22-563	General Requirements for the Competence of Testing and Calibration Laboratories	11/30/2024	
NEFAP	72690/L22-564	TNI National Environmental Field Activities Program (NEFAP)	11/30/2024	
NY-NELAP	12097	New York Department of Health	04/01/2025	
Utah-NELAP	MD010912024-15	Utah Department of Health	12/31/2024	
Washington State	C1085	The State of Washington Department of Ecology	05/23/2025	

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
RT	Retention Times in Minutes
RRT	Evaluation of Relative Retention Times in RRT Units (qualified if outside $\pm$0.06 control limits)
VISL	EPA Vapor Intrusion Screening Level
3σ	Uncertainty
∉	Compound not on scope of accreditation
+	values are outside method/contract required QC limits
∅	Compound not on scope of accreditation and analyzed with a one-point calibration

Sample/Sample Receipt Qualifiers and Notes:

D	Dilution required to report within calibration Limits.
S4	Matrix interference caused surrogate recovery outside control limits.

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Roux Associates, Inc.	**Site Name:** Former AB&I Foundry	**Beacon Proposal:** 240216R01
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007787
Oakland, CA 94607	**Project Manager:** Josh Osborne	**Reported:** 06/14/2024

Sample Management Records

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or email help@beacon-usa.com

PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information		Client Information	
Site Name: AB&I		Company Name: Roux Associates Inc.	Project Manager: Josh Osborne
		Office Location: Oakland, CA	Client PO: —
Site Location: 7825 San Leandro St. Oakland, CA		Submitted by: Dylan Bailey	Turn around time (check one): ☒ Normal ☐ Rush (specify) ____ days
		Email: josborne@rouxinc.com, dbailey@rouxinc.com	

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☒ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG-41A	5/20/24	0820	6/4/24	0823	36	soil	
PSG-41B	5/20/24	0836	6/4/24	0835	42	Concrete	
PSG-41C	5/20/24	0848	6/4/24	0826	42	concrete	
PSG-41D	5/20/24	0912	6/4/24	0832	42	Concrete	
PSG-10A	5/20/24	1048	6/4/24	0912	42	Concrete	Run PSG-10A duplicate as DUP-01
PSG-10B	5/20/24	1253	6/4/24	0914	42	Concrete	
PSG-10C	5/20/24	0942	6/4/24	0918	42	Concrete	
PSG-10D	5/20/24	1250	6/4/24	0916	42	Concrete	
PSG-25A	5/20/24	1435	6/4/24	0905	44	Concrete	
PSG-25B	5/20/24	1424	6/4/24	0903	44	Concrete	seal partially exposed
PSG-25C	5/20/24	1406	6/4/24	0907	44	Concrete	
PSG-25D	5/20/24	1340	6/4/24	0900	44	concrete	
PSG-62A	5/20/24	1540	6/4/24	0853	44	Concrete	Run PSG-62A duplicate as DUP-02
PSG-62B	5/20/24	1544	6/4/24	0850	44	Concrete	
PSG-62C	5/20/24	1556	6/4/24	0844	44	Concrete	

Special Instructions: Analyze all samples for EPA Method 8260C

Relinquished by (signature): Dylan M	Date / Time: 6/4/24 1520	Received by (signature): Anton Andrew	Date / Time: 6/6/24 11:38
Relinquished by (signature):	Date / Time:	Received by (signature):	Date / Time: 8260C
For Lab Use Only	Beacon Job No: 7787	Beacon Proposal: 240216R01	Analytical Method:
Courier Name: Fedex	Shipment Condition: good	Custody Seal Intact: ☑ Yes ☐ No ☐ n/a	Custody Seal No: 6047356

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or email help@beacon-usa.com

PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information		Client Information	
Site Name: AB&I		Company Name: Roux Associates Inc.	Project Manager: Josh Osborne
		Office Location: Oakland, CA	Client PO: —
Site Location: 7825 San Leandro St. Oakland, CA		Submitted by: Page 1	Turn around time (check one): ☒ Normal ☐ Rush (specify) ____ days
		Email:	

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☒ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG-62D	5/20/24	1559	6/4/24	0847	44	Concrete	
Trip-1	—	—	—	—	—	—	

Special Instructions: Analyze all samples for EPA Method 8260C

For Lab Use Only	Beacon Job No: 7787	Beacon Proposal: 240216R01	Analytical Method: 8260C

Date:	September 16, 2024
Project Name:	American Brass and Iron (AB&I) Foundry
Laboratory:	Enthalpy Analytical
Lab Job Number:	509527
Sample Media:	Active Soil Vapor
Samples:	All sample IDs in the report

Data review was performed for the data package generated by Enthalpy Analytical for samples collected at American Brass and Iron (AB&I) Foundry at 7825 San Leandro Street in Oakland, CA in April 2024, associated with laboratory job number 509527.

The data validation was done in accordance with Department of Defense (DOD)[1,2] and United States Environmental Protection Agency (USEPA)[3,4] validation documents and included the following items:

- Data deliverable completeness
- Laboratory case narratives
- Chain of custody documentation
- Holding times
- Limit of quantification
- Control Samples
    - Blank spiked and blank spiked duplicate
    - Method Blanks
    - Field duplicate samples

The items above that have issues potentially affecting data usability are discussed in this report.

Data Deliverable Completeness

Complete deliverable data packages were provided by the laboratory, which included reporting forms necessary to validate the reported analytical results. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative. The laboratory submitted all required deliverables. Sample results and related quality control data were received. Electronic data were verified against the laboratory report; no data deliverable completeness issues were identified.

Laboratory Case Narratives

The laboratory case narrative included in the report detail how the issue of high concentrations were addressed. Specifically, the narrative explains the corrective actions taken, including the appropriate dilution steps for samples and considerations for the limit of quantification (LOQ). All necessary adjustments were accounted for to ensure accurate results. The narrative also confirms that all

1 USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS.* 11/09/2022.
2 *USDOD, Environmental Data Quality Workgroup. Data Validation Guidelines Module 4: Data Validation Procedure for Organic Analysis by GC*
3 USEPA. *National Functional Guidelines for Inorganic Superfund Method Data Review.* EPA 542-R-20-006. November, 2020.
4 USEPA. *National Functional Guidelines for Organic Superfund Method Data Review.* EPA 540-R-20-005.

samples were delivered to the laboratory at the correct temperature, in the proper container, and with the appropriate preservatives.

Chain of Custody Documentation

Sample identification (ID) numbers and requested analyses listed on the chain-of-custody record are consistent with the sample ID and analyses reported in the analytical laboratory reports.

Sample Receipt/Holding Times

All samples were received and analyzed within the holding times for the requested analytical methods.

Limits of Quantitation

All LOQs are below the project environmental screening levels and all analytes are detectable at concentrations lower than the screening level.

Quality Control Samples

All the blanks had no contamination. The relative percent differences (RPDs) for the blanks spike (BS) and BS duplicate (BSD) were within the recommended limits. The spike recovery rates of all tested samples were within the recommended limits.

The table below shows the PRDs for the field primary and its respective duplicate collected from sample location SVP-10-5. The PRD values presented below indicate that the variability of select compounds in active soil vapor was higher than 20%. Concentrations of benzene-hexane, and total petroleum hydrocarbons (TPH) as gasoline have an RPD greater than 20%, their respective concentrations are greater than five times the LOQ, and their absolute differences between primary and duplicate samples are greater than the LOQ. For these reasons, these results should be flagged as estimated (J).

Analyte	SVP-10-5	SVP-DUP-01	RPD (%)	LOQ
Benzene	<2.7	10	115	2.7
n-Hexane	3.2	34	165.6	3.0
TPH Gasoline	1,300	1,800	32.3	60

Notes:
Yellow highlight = RPD and LOQ values exceed acceptable limits. Values should be considered estimates.
All concentrations in micrograms per cubic meter.
% = percent
LOQ = Limit of quantitation
RPD = Relative percent difference
TPH = Total petroleum hydrocarbon

The table below shows the RPDs for the field primary sample and its respective duplicate collected from sample location PSG-10A. The RPD values presented below indicate that the variability of benzene in passive soil vapor was higher than 20%. Because the concentrations were higher than the LOQ but lower than five times the LOQ and the absolute difference between the primary and duplicate samples is less than the LOQ, the limits for RPDs do not apply based on EPA guidelines.

Analyte	SVP-62-4	SVP-DUP-03	RPD (%)	LOQ
Acetone	77	100	26	57

Notes:
All concentrations in micrograms per cubic meter.
% = percent
LOQ = Limit of quantitation
RPD = Relative percent difference

Overall Assessment

Based on high RPDs in samples SVP-10-5 and SVP-DUP-01, concentrations of benzene, benzene, n-hexane, and TPH as gasoline should be qualified as estimates (J) for these samples.

There were no other issues that would require additional qualifiers in the data.

If you have any questions regarding this data validation report, please contact Michael Friedman at 415-967-6000.

Regards,

Michael Friedman, PG
Senior Geologist II

Enthalpy Analytical
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Orange, CA 92868
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Lab Job Number : 509527
Report Level : II
Report Date : 06/11/2024

Analytical Report *prepared for:*

Josh Osborne
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 1793.0030S000 - AB&I Foundry

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Josh Osborne
Roux Associates
555 12th Street
Suite 250
Oakland, CA
94607

Lab Job #:	509527
Project No:	1793.0030S000
Location:	AB&I Foundry
Date Received:	06/04/24

Sample ID	Lab ID	Collected	Matrix
SVP-41-8	509527-001	05/30/24 18:31	Air
SVP-41-5	509527-002	05/30/24 12:02	Air
SVP-45-5	509527-003	05/30/24 12:58	Air
SVP-53-5	509527-004	05/30/24 14:18	Air
SVP-53-8	509527-005	05/30/24 15:52	Air
SVP-06-5	509527-006	05/31/24 09:55	Air
SVP-06-8	509527-007	05/31/24 10:42	Air
SVP-25-8	509527-008	05/31/24 16:50	Air
SVP-36-5	509527-009	05/31/24 15:48	Air
SVP-13-8	509527-010	06/03/24 13:55	Air
SVP-10-8	509527-011	06/03/24 11:53	Air
SVP-10-5	509527-012	06/03/24 10:21	Air
SVP-DUP-01	509527-013	06/03/24 10:21	Air
SVP-13-5	509527-014	06/03/24 11:18	Air
SVP-DUP-02	509527-015	06/03/24 11:18	Air
SVP-62-4	509527-016	06/03/24 13:15	Air
SVP-DUP-03	509527-017	06/03/24 13:15	Air
SVP-57-5	509527-018	06/03/24 14:32	Air
SVP-32-8	509527-019	05/31/24 11:56	Air
SVP-52-8	509527-020	05/31/24 15:36	Air
SVP-25-5	509527-021	06/03/24 15:47	Air
SVP-36-8	509527-022	06/03/24 16:32	Air

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Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Josh Osborne	Lab Job Number: 509527 Project No: 1793.0030S000 Location: AB&I Foundry Date Received: 06/04/24

This data package contains sample and QC results for twenty two air samples, requested for the above referenced project on 06/04/24. The samples were received intact.

Volatile Organics in Air by MS (EPA TO-15):

- High ICAL percent RSD (relative standard deviation) was observed for naphthalene in the calibration analyzed 05/09/24 17:52; affected data was qualified with "b".
- No other analytical problems were encountered.

Volatile Organics in Air GC (ASTM D1946):
No analytical problems were encountered.

Volatile Organics in Air GC - TO3 (EPA TO-3M):
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Josh Osborne
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #: 509527
Project No: 1793.0030S000
Location: AB&I Foundry
Date Received: 06/04/24

Sample ID: SVP-41-8 **Lab ID: 509527-001** **Collected: 05/30/24 18:31**
Matrix: Air

509527-001 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.92**		%v/v	0.20
Oxygen	**13**		%v/v	0.20
Nitrogen	**83**		%v/v	10
Method: EPA TO-15 Prep Method: METHOD				
Freon 12	**0.59**		ppbv	0.40
Freon 12	**2.9**		ug/m3	2.0
Chloromethane	**1.5**		ppbv	0.40
Chloromethane	**3.0**		ug/m3	0.83
Acetone	**28**		ppbv	2.0
Acetone	**66**		ug/m3	4.8
Carbon Disulfide	**16**		ppbv	0.40
Carbon Disulfide	**49**		ug/m3	1.2
Isopropanol (IPA)	**34**		ppbv	2.0
Isopropanol (IPA)	**84**		ug/m3	4.9
Methylene Chloride	**1.4**		ppbv	0.40
Methylene Chloride	**4.8**		ug/m3	1.4
n-Hexane	**0.79**		ppbv	0.40
n-Hexane	**2.8**		ug/m3	1.4
2-Butanone	**3.5**		ppbv	2.0
2-Butanone	**10**		ug/m3	5.9
Chloroform	**0.54**		ppbv	0.40
Chloroform	**2.6**		ug/m3	2.0
Benzene	**1.6**		ppbv	0.40
Benzene	**5.0**		ug/m3	1.3
Toluene	**6.6**		ppbv	0.40
Toluene	**25**		ug/m3	1.5
Tetrachloroethene	**0.80**		ppbv	0.40
Tetrachloroethene	**5.4**		ug/m3	2.7
Ethylbenzene	**0.58**		ppbv	0.40
Ethylbenzene	**2.5**		ug/m3	1.7
m,p-Xylenes	**1.3**		ppbv	0.80
m,p-Xylenes	**5.5**		ug/m3	3.5
o-Xylene	**0.57**		ppbv	0.40
o-Xylene	**2.5**		ug/m3	1.7
Xylene (total)	**1.8**		ppbv	0.40
Xylene (total)	**8.0**		ug/m3	1.7
Method: EPA TO-3M				
TPH Gasoline	**1.6**		ppmv	0.050
TPH Gasoline	**6,500**		ug/m3	200

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ENTHALPY ANALYTICAL

Detection Summary

509527-001 Analyte	Result	Qual	Units	RL

Sample ID: SVP-41-5 **Lab ID: 509527-002** **Collected: 05/30/24 12:02**
Matrix: Air

509527-002 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**3.2**		%v/v	0.20
Oxygen	**3.2**		%v/v	0.20
Nitrogen	**89**		%v/v	10
Method: EPA TO-15 Prep Method: METHOD				
Freon 12	**0.60**		ppbv	0.40
Freon 12	**3.0**		ug/m3	2.0
Acetone	**5.9**		ppbv	2.0
Acetone	**14**		ug/m3	4.8
Carbon Disulfide	**4.3**		ppbv	0.40
Carbon Disulfide	**13**		ug/m3	1.2
cis-1,2-Dichloroethene	**0.42**		ppbv	0.40
cis-1,2-Dichloroethene	**1.7**		ug/m3	1.6
Chloroform	**1.1**		ppbv	0.40
Chloroform	**5.6**		ug/m3	2.0
Benzene	**1.3**		ppbv	0.40
Benzene	**4.1**		ug/m3	1.3
Trichloroethene	**3.2**		ppbv	0.40
Trichloroethene	**17**		ug/m3	2.1
Toluene	**4.5**		ppbv	0.40
Toluene	**17**		ug/m3	1.5
Tetrachloroethene	**3.3**		ppbv	0.40
Tetrachloroethene	**22**		ug/m3	2.7
Ethylbenzene	**0.60**		ppbv	0.40
Ethylbenzene	**2.6**		ug/m3	1.7
m,p-Xylenes	**1.4**		ppbv	0.80
m,p-Xylenes	**5.9**		ug/m3	3.5
o-Xylene	**0.74**		ppbv	0.40
o-Xylene	**3.2**		ug/m3	1.7
1,2,4-Trimethylbenzene	**0.65**		ppbv	0.40
1,2,4-Trimethylbenzene	**3.2**		ug/m3	2.0
Xylene (total)	**2.1**		ppbv	0.40
Xylene (total)	**9.1**		ug/m3	1.7
Method: EPA TO-3M				
TPH Gasoline	**1.1**		ppmv	0.050
TPH Gasoline	**4,300**		ug/m3	200

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-45-5	Lab ID: 509527-003	Collected: 05/30/24 12:58
	Matrix: Air	

509527-003 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**2.1**		%v/v	0.22
Methane	**6.0**		%v/v	0.22
Nitrogen	**87**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Vinyl Chloride	**38**		ppbv	0.44
Vinyl Chloride	**98**		ug/m3	1.1
Chloroethane	**1.3**		ppbv	0.44
Chloroethane	**3.4**		ug/m3	1.2
Acetone	**7.7**		ppbv	2.2
Acetone	**18**		ug/m3	5.2
Carbon Disulfide	**2.8**		ppbv	0.44
Carbon Disulfide	**8.7**		ug/m3	1.4
MTBE	**2.6**		ppbv	0.44
MTBE	**9.4**		ug/m3	1.6
n-Hexane	**56**		ppbv	0.44
n-Hexane	**200**		ug/m3	1.6
1,1-Dichloroethane	**1.4**		ppbv	0.44
1,1-Dichloroethane	**5.7**		ug/m3	1.8
cis-1,2-Dichloroethene	**4.5**		ppbv	0.44
cis-1,2-Dichloroethene	**18**		ug/m3	1.7
2-Butanone	**2.3**		ppbv	2.2
2-Butanone	**6.8**		ug/m3	6.5
Benzene	**1.9**		ppbv	0.44
Benzene	**6.0**		ug/m3	1.4
Toluene	**0.98**		ppbv	0.44
Toluene	**3.7**		ug/m3	1.7
Tetrachloroethene	**0.75**		ppbv	0.44
Tetrachloroethene	**5.1**		ug/m3	3.0
Method: EPA TO-3M				
TPH Gasoline	**4.7**		ppmv	0.055
TPH Gasoline	**19,000**		ug/m3	220

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-53-5	Lab ID: 509527-004	Collected: 05/30/24 14:18
	Matrix: Air	

509527-004 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.46**		%v/v	0.20
Methane	**5.3**		%v/v	0.20
Nitrogen	**89**		%v/v	10
Method: EPA TO-15 Prep Method: METHOD				
n-Hexane	**1,700**		ppbv	8.0
n-Hexane	**5,900**		ug/m3	28
1,1-Dichloroethane	**10**		ppbv	8.0
1,1-Dichloroethane	**41**		ug/m3	32
Benzene	**9.3**		ppbv	8.0
Benzene	**30**		ug/m3	26
Toluene	**15**		ppbv	8.0
Toluene	**57**		ug/m3	30
Ethylbenzene	**8.2**		ppbv	8.0
Ethylbenzene	**35**		ug/m3	35
1,3,5-Trimethylbenzene	**12**		ppbv	8.0
1,3,5-Trimethylbenzene	**57**		ug/m3	39
1,2,4-Trimethylbenzene	**9.4**		ppbv	8.0
1,2,4-Trimethylbenzene	**46**		ug/m3	39
Method: EPA TO-3M				
TPH Gasoline	**32**		ppmv	0.050
TPH Gasoline	**130,000**		ug/m3	200

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-53-8	Lab ID: 509527-005	Collected: 05/30/24 15:52
	Matrix: Air	

509527-005 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**1.1**		%v/v	0.22
Oxygen	**12**		%v/v	0.22
Methane	**0.69**		%v/v	0.22
Nitrogen	**82**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Acetone	**9.3**		ppbv	5.5
Acetone	**22**		ug/m3	13
Carbon Disulfide	**30**		ppbv	1.1
Carbon Disulfide	**92**		ug/m3	3.4
Isopropanol (IPA)	**5.7**		ppbv	5.5
Isopropanol (IPA)	**14**		ug/m3	14
n-Hexane	**250**		ppbv	1.1
n-Hexane	**900**		ug/m3	3.9
Benzene	**3.8**		ppbv	1.1
Benzene	**12**		ug/m3	3.5
Toluene	**4.5**		ppbv	1.1
Toluene	**17**		ug/m3	4.1
Method: EPA TO-3M				
TPH Gasoline	**6.2**		ppmv	0.055
TPH Gasoline	**25,000**		ug/m3	220

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-06-5	Lab ID: 509527-006	Collected: 05/31/24 09:55
	Matrix: Air	

509527-006 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**15**		%v/v	0.21
Methane	**2.8**		%v/v	0.21
Nitrogen	**77**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Acetone	**57**		ppbv	2.1
Acetone	**130**		ug/m3	5.0
Carbon Disulfide	**22**		ppbv	0.42
Carbon Disulfide	**67**		ug/m3	1.3
Isopropanol (IPA)	**32**		ppbv	2.1
Isopropanol (IPA)	**79**		ug/m3	5.2
Methylene Chloride	**0.47**		ppbv	0.42
Methylene Chloride	**1.6**		ug/m3	1.5
n-Hexane	**52**		ppbv	0.42
n-Hexane	**180**		ug/m3	1.5
cis-1,2-Dichloroethene	**0.70**		ppbv	0.42
cis-1,2-Dichloroethene	**2.8**		ug/m3	1.7
2-Butanone	**15**		ppbv	2.1
2-Butanone	**45**		ug/m3	6.2
Chloroform	**1.2**		ppbv	0.42
Chloroform	**5.8**		ug/m3	2.1
Benzene	**6.8**		ppbv	0.42
Benzene	**22**		ug/m3	1.3
4-Methyl-2-Pentanone	**1.6**		ppbv	0.42
4-Methyl-2-Pentanone	**6.5**		ug/m3	1.7
Toluene	**5.5**		ppbv	0.42
Toluene	**21**		ug/m3	1.6
Tetrachloroethene	**0.93**		ppbv	0.42
Tetrachloroethene	**6.3**		ug/m3	2.8
2-Hexanone	**1.8**		ppbv	1.1
2-Hexanone	**7.2**		ug/m3	4.3
Ethylbenzene	**0.46**		ppbv	0.42
Ethylbenzene	**2.0**		ug/m3	1.8
m,p-Xylenes	**1.1**		ppbv	0.84
m,p-Xylenes	**4.9**		ug/m3	3.6
o-Xylene	**0.43**		ppbv	0.42
o-Xylene	**1.8**		ug/m3	1.8
Xylene (total)	**1.6**		ppbv	0.42
Xylene (total)	**6.7**		ug/m3	1.8
Method: EPA TO-3M				
TPH Gasoline	**2.0**		ppmv	0.053
TPH Gasoline	**8,300**		ug/m3	210

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-06-8	Lab ID: 509527-007	Collected: 05/31/24 10:42
	Matrix: Air	

509527-007 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**14**		%v/v	0.20
Methane	**2.8**		%v/v	0.20
Nitrogen	**79**		%v/v	10
Method: EPA TO-15 Prep Method: METHOD				
Acetone	**62**		ppbv	2.0
Acetone	**150**		ug/m3	4.8
Carbon Disulfide	**54**		ppbv	0.40
Carbon Disulfide	**170**		ug/m3	1.2
Isopropanol (IPA)	**3.2**		ppbv	2.0
Isopropanol (IPA)	**7.9**		ug/m3	4.9
n-Hexane	**53**		ppbv	0.40
n-Hexane	**190**		ug/m3	1.4
cis-1,2-Dichloroethene	**0.70**		ppbv	0.40
cis-1,2-Dichloroethene	**2.8**		ug/m3	1.6
2-Butanone	**9.7**		ppbv	2.0
2-Butanone	**29**		ug/m3	5.9
Chloroform	**2.1**		ppbv	0.40
Chloroform	**10**		ug/m3	2.0
Benzene	**4.4**		ppbv	0.40
Benzene	**14**		ug/m3	1.3
Trichloroethene	**0.45**		ppbv	0.40
Trichloroethene	**2.4**		ug/m3	2.1
4-Methyl-2-Pentanone	**0.76**		ppbv	0.40
4-Methyl-2-Pentanone	**3.1**		ug/m3	1.6
Toluene	**13**		ppbv	0.40
Toluene	**50**		ug/m3	1.5
Tetrachloroethene	**0.60**		ppbv	0.40
Tetrachloroethene	**4.1**		ug/m3	2.7
Ethylbenzene	**0.67**		ppbv	0.40
Ethylbenzene	**2.9**		ug/m3	1.7
m,p-Xylenes	**2.1**		ppbv	0.80
m,p-Xylenes	**9.2**		ug/m3	3.5
o-Xylene	**0.70**		ppbv	0.40
o-Xylene	**3.0**		ug/m3	1.7
Xylene (total)	**2.8**		ppbv	0.40
Xylene (total)	**12**		ug/m3	1.7
Method: EPA TO-3M				
TPH Gasoline	**2.0**		ppmv	0.050
TPH Gasoline	**8,200**		ug/m3	200

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-25-8	Lab ID: 509527-008	Collected: 05/31/24 16:50
	Matrix: Air	

509527-008 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**1.1**		%v/v	0.21
Oxygen	**18**		%v/v	0.21
Nitrogen	**76**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Freon 12	**0.49**		ppbv	0.42
Freon 12	**2.4**		ug/m3	2.1
Chloromethane	**0.67**		ppbv	0.42
Chloromethane	**1.4**		ug/m3	0.87
Chloroethane	**6.9**		ppbv	0.42
Chloroethane	**18**		ug/m3	1.1
Acetone	**21**		ppbv	2.1
Acetone	**50**		ug/m3	5.0
Carbon Disulfide	**21**		ppbv	0.42
Carbon Disulfide	**65**		ug/m3	1.3
Isopropanol (IPA)	**8.0**		ppbv	2.1
Isopropanol (IPA)	**20**		ug/m3	5.2
Methylene Chloride	**0.59**		ppbv	0.42
Methylene Chloride	**2.0**		ug/m3	1.5
trans-1,2-Dichloroethene	**7.4**		ppbv	0.42
trans-1,2-Dichloroethene	**29**		ug/m3	1.7
n-Hexane	**21**		ppbv	0.42
n-Hexane	**73**		ug/m3	1.5
1,1-Dichloroethane	**2.3**		ppbv	0.42
1,1-Dichloroethane	**9.3**		ug/m3	1.7
cis-1,2-Dichloroethene	**21**		ppbv	0.42
cis-1,2-Dichloroethene	**85**		ug/m3	1.7
2-Butanone	**6.6**		ppbv	2.1
2-Butanone	**19**		ug/m3	6.2
Chloroform	**1.9**		ppbv	0.42
Chloroform	**9.4**		ug/m3	2.1
Benzene	**1.5**		ppbv	0.42
Benzene	**4.7**		ug/m3	1.3
Trichloroethene	**47**		ppbv	0.42
Trichloroethene	**250**		ug/m3	2.3
4-Methyl-2-Pentanone	**1.9**		ppbv	0.42
4-Methyl-2-Pentanone	**7.9**		ug/m3	1.7
Toluene	**4.5**		ppbv	0.42
Toluene	**17**		ug/m3	1.6
Tetrachloroethene	**160**		ppbv	1.1
Tetrachloroethene	**1,100**		ug/m3	7.1
Ethylbenzene	**0.48**		ppbv	0.42
Ethylbenzene	**2.1**		ug/m3	1.8
m,p-Xylenes	**1.9**		ppbv	0.84
m,p-Xylenes	**8.2**		ug/m3	3.6

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ENTHALPY ANALYTICAL

Detection Summary

509527-008 Analyte		Result	Qual	Units	RL
	o-Xylene	**0.78**		ppbv	0.42
	o-Xylene	**3.4**		ug/m3	1.8
	Xylene (total)	**2.7**		ppbv	0.42
	Xylene (total)	**12**		ug/m3	1.8
Method: EPA TO-3M					
	TPH Gasoline	**3.4**		ppmv	0.053
	TPH Gasoline	**14,000**		ug/m3	210

Sample ID: SVP-36-5 **Lab ID: 509527-009** **Collected: 05/31/24 15:48**
Matrix: Air

509527-009 Analyte		Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD					
	Carbon Dioxide	**0.46**		%v/v	0.24
	Oxygen	**9.2**		%v/v	0.24
	Methane	**16**		%v/v	0.24
	Nitrogen	**68**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD					
	Vinyl Chloride	**96**		ppbv	60
	Vinyl Chloride	**250**		ug/m3	150
	Chloroethane	**39,000**		ppbv	300
	Chloroethane	**100,000**		ug/m3	790
	Carbon Disulfide	**64**		ppbv	60
	Carbon Disulfide	**200**		ug/m3	190
	n-Hexane	**5,100**		ppbv	60
	n-Hexane	**18,000**		ug/m3	210
	1,1-Dichloroethane	**3,000**		ppbv	60
	1,1-Dichloroethane	**12,000**		ug/m3	240
	o-Xylene	**120**		ppbv	60
	o-Xylene	**520**		ug/m3	260
	1,3,5-Trimethylbenzene	**60**		ppbv	60
	1,3,5-Trimethylbenzene	**300**		ug/m3	290
	1,2,4-Trimethylbenzene	**76**		ppbv	60
	1,2,4-Trimethylbenzene	**370**		ug/m3	290
	1,4-Dichlorobenzene	**220**		ppbv	60
	1,4-Dichlorobenzene	**1,300**		ug/m3	360
	Xylene (total)	**120**		ppbv	60
	Xylene (total)	**520**		ug/m3	260
Method: EPA TO-3M					
	TPH Gasoline	**480**		ppmv	3.0
	TPH Gasoline	**2,000,000**		ug/m3	12,000

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-13-8	Lab ID: 509527-010	Collected: 06/03/24 13:55
	Matrix: Air	

509527-010 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.68**		%v/v	0.24
Oxygen	**16**		%v/v	0.24
Methane	**0.25**		%v/v	0.24
Nitrogen	**78**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Freon 12	**0.53**		ppbv	0.48
Freon 12	**2.6**		ug/m3	2.4
Chloromethane	**0.82**		ppbv	0.48
Chloromethane	**1.7**		ug/m3	0.99
Chloroethane	**1.5**		ppbv	0.48
Chloroethane	**4.0**		ug/m3	1.3
Acetone	**8.0**		ppbv	2.4
Acetone	**19**		ug/m3	5.7
Carbon Disulfide	**72**		ppbv	0.48
Carbon Disulfide	**220**		ug/m3	1.5
Isopropanol (IPA)	**8.1**		ppbv	2.4
Isopropanol (IPA)	**20**		ug/m3	5.9
Methylene Chloride	**1.5**		ppbv	0.48
Methylene Chloride	**5.2**		ug/m3	1.7
MTBE	**1.8**		ppbv	0.48
MTBE	**6.5**		ug/m3	1.7
n-Hexane	**98**		ppbv	0.48
n-Hexane	**350**		ug/m3	1.7
2-Butanone	**2.4**		ppbv	2.4
2-Butanone	**7.2**		ug/m3	7.1
Chloroform	**6.9**		ppbv	0.48
Chloroform	**34**		ug/m3	2.3
Benzene	**2.3**		ppbv	0.48
Benzene	**7.5**		ug/m3	1.5
Toluene	**4.5**		ppbv	0.48
Toluene	**17**		ug/m3	1.8
Tetrachloroethene	**0.52**		ppbv	0.48
Tetrachloroethene	**3.5**		ug/m3	3.3
Method: EPA TO-3M				
TPH Gasoline	**2.8**		ppmv	0.060
TPH Gasoline	**11,000**		ug/m3	250

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-10-8	Lab ID: 509527-011	Collected: 06/03/24 11:53
	Matrix: Air	

509527-011 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Helium	**0.36**		%v/v	0.23
Carbon Dioxide	**0.78**		%v/v	0.23
Oxygen	**12**		%v/v	0.23
Methane	**0.86**		%v/v	0.23
Nitrogen	**82**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Carbon Disulfide	**46**		ppbv	46
Carbon Disulfide	**140**		ug/m3	140
n-Hexane	**7,300**		ppbv	46
n-Hexane	**26,000**		ug/m3	160
Method: EPA TO-3M				
TPH Gasoline	**570**		ppmv	5.8
TPH Gasoline	**2,300,000**		ug/m3	24,000

Sample ID: SVP-10-5	Lab ID: 509527-012	Collected: 06/03/24 10:21
	Matrix: Air	

509527-012 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**4.0**		%v/v	0.17
Oxygen	**14**		%v/v	0.17
Nitrogen	**79**		%v/v	8.5
Method: EPA TO-15 Prep Method: METHOD				
n-Hexane	**0.91**		ppbv	0.85
n-Hexane	**3.2**		ug/m3	3.0
1,1,1-Trichloroethane	**3.5**		ppbv	0.85
1,1,1-Trichloroethane	**19**		ug/m3	4.6
Tetrachloroethene	**120**		ppbv	0.85
Tetrachloroethene	**840**		ug/m3	5.8
Method: EPA TO-3M				
TPH Gasoline	**0.31**		ppmv	0.043
TPH Gasoline	**1,300**		ug/m3	170

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-DUP-01	Lab ID: 509527-013	Collected: 06/03/24 10:21
	Matrix: Air	

509527-013 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**4.0**		%v/v	0.17
Oxygen	**14**		%v/v	0.17
Nitrogen	**79**		%v/v	8.5
Method: EPA TO-15 Prep Method: METHOD				
n-Hexane	**9.6**		ppbv	0.85
n-Hexane	**34**		ug/m3	3.0
1,1,1-Trichloroethane	**3.5**		ppbv	0.85
1,1,1-Trichloroethane	**19**		ug/m3	4.6
Benzene	**3.2**		ppbv	0.85
Benzene	**10**		ug/m3	2.7
Tetrachloroethene	**130**		ppbv	0.85
Tetrachloroethene	**860**		ug/m3	5.8
Ethylbenzene	**10**		ppbv	0.85
Ethylbenzene	**45**		ug/m3	3.7
Method: EPA TO-3M				
TPH Gasoline	**0.44**		ppmv	0.043
TPH Gasoline	**1,800**		ug/m3	170

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-13-5	Lab ID: 509527-014	Collected: 06/03/24 11:18
	Matrix: Air	

509527-014 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**17**		%v/v	0.21
Methane	**52**		%v/v	0.32
Nitrogen	**28**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Chloroethane	**3.9**		ppbv	3.2
Chloroethane	**10**		ug/m3	8.3
Carbon Disulfide	**4.2**		ppbv	3.2
Carbon Disulfide	**13**		ug/m3	9.8
n-Hexane	**600**		ppbv	3.2
n-Hexane	**2,100**		ug/m3	11
Chloroform	**3.9**		ppbv	3.2
Chloroform	**19**		ug/m3	15
Benzene	**21**		ppbv	3.2
Benzene	**68**		ug/m3	10
Toluene	**13**		ppbv	3.2
Toluene	**49**		ug/m3	12
Method: EPA TO-3M				
TPH Gasoline	**36**		ppmv	0.79
TPH Gasoline	**150,000**		ug/m3	3,200

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-DUP-02	Lab ID: 509527-015	Collected: 06/03/24 11:18
	Matrix: Air	

509527-015 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**17**		%v/v	0.21
Methane	**52**		%v/v	0.32
Nitrogen	**28**		%v/v	11
Method: EPA TO-15 Prep Method: METHOD				
Carbon Disulfide	**4.1**		ppbv	3.2
Carbon Disulfide	**13**		ug/m3	9.8
n-Hexane	**600**		ppbv	3.2
n-Hexane	**2,100**		ug/m3	11
Chloroform	**3.8**		ppbv	3.2
Chloroform	**19**		ug/m3	15
Benzene	**21**		ppbv	3.2
Benzene	**66**		ug/m3	10
Toluene	**12**		ppbv	3.2
Toluene	**47**		ug/m3	12
Method: EPA TO-3M				
TPH Gasoline	**36**		ppmv	0.79
TPH Gasoline	**150,000**		ug/m3	3,200

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-62-4	Lab ID: 509527-016	Collected: 06/03/24 13:15
	Matrix: Air	

509527-016 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.41**		%v/v	0.24
Oxygen	**17**		%v/v	0.24
Methane	**1.9**		%v/v	0.24
Nitrogen	**75**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Vinyl Chloride	**25**		ppbv	6.0
Vinyl Chloride	**64**		ug/m3	15
Acetone	**33**		ppbv	30
Acetone	**77**		ug/m3	71
Carbon Disulfide	**7.9**		ppbv	6.0
Carbon Disulfide	**24**		ug/m3	19
n-Hexane	**970**		ppbv	6.0
n-Hexane	**3,400**		ug/m3	21
cis-1,2-Dichloroethene	**15**		ppbv	6.0
cis-1,2-Dichloroethene	**60**		ug/m3	24
Benzene	**22**		ppbv	6.0
Benzene	**71**		ug/m3	19
Trichloroethene	**24**		ppbv	6.0
Trichloroethene	**130**		ug/m3	32
Toluene	**14**		ppbv	6.0
Toluene	**53**		ug/m3	23
Chlorobenzene	**620**		ppbv	6.0
Chlorobenzene	**2,800**		ug/m3	28
1,4-Dichlorobenzene	**44**		ppbv	6.0
1,4-Dichlorobenzene	**270**		ug/m3	36
Method: EPA TO-3M				
TPH Gasoline	**27**		ppmv	0.060
TPH Gasoline	**110,000**		ug/m3	250

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-DUP-03	Lab ID: 509527-017	Collected: 06/03/24 13:15
	Matrix: Air	

509527-017 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.42**		%v/v	0.24
Oxygen	**17**		%v/v	0.24
Methane	**1.9**		%v/v	0.24
Nitrogen	**75**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Vinyl Chloride	**27**		ppbv	4.8
Vinyl Chloride	**70**		ug/m3	12
Acetone	**43**		ppbv	24
Acetone	**100**		ug/m3	57
Carbon Disulfide	**9.0**		ppbv	4.8
Carbon Disulfide	**28**		ug/m3	15
n-Hexane	**1,100**		ppbv	4.8
n-Hexane	**3,900**		ug/m3	17
cis-1,2-Dichloroethene	**16**		ppbv	4.8
cis-1,2-Dichloroethene	**65**		ug/m3	19
Benzene	**24**		ppbv	4.8
Benzene	**77**		ug/m3	15
Trichloroethene	**25**		ppbv	4.8
Trichloroethene	**130**		ug/m3	26
Toluene	**15**		ppbv	4.8
Toluene	**57**		ug/m3	18
Chlorobenzene	**640**		ppbv	4.8
Chlorobenzene	**2,900**		ug/m3	22
1,4-Dichlorobenzene	**50**		ppbv	4.8
1,4-Dichlorobenzene	**300**		ug/m3	29
Method: EPA TO-3M				
TPH Gasoline	**26**		ppmv	0.60
TPH Gasoline	**110,000**		ug/m3	2,500

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-57-5	Lab ID: 509527-018	Collected: 06/03/24 14:32
	Matrix: Air	

509527-018 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**0.48**		%v/v	0.23
Methane	**24**		%v/v	0.23
Nitrogen	**70**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Vinyl Chloride	**130**		ppbv	1.8
Vinyl Chloride	**320**		ug/m3	4.7
Chloroethane	**2.3**		ppbv	1.8
Chloroethane	**6.1**		ug/m3	4.9
Acetone	**67**		ppbv	9.2
Acetone	**160**		ug/m3	22
Carbon Disulfide	**57**		ppbv	1.8
Carbon Disulfide	**180**		ug/m3	5.7
trans-1,2-Dichloroethene	**2.3**		ppbv	1.8
trans-1,2-Dichloroethene	**9.3**		ug/m3	7.3
n-Hexane	**310**		ppbv	1.8
n-Hexane	**1,100**		ug/m3	6.5
1,1-Dichloroethane	**14**		ppbv	1.8
1,1-Dichloroethane	**55**		ug/m3	7.4
cis-1,2-Dichloroethene	**6.8**		ppbv	1.8
cis-1,2-Dichloroethene	**27**		ug/m3	7.3
2-Butanone	**12**		ppbv	9.2
2-Butanone	**36**		ug/m3	27
Benzene	**54**		ppbv	1.8
Benzene	**170**		ug/m3	5.9
Trichloroethene	**3.5**		ppbv	1.8
Trichloroethene	**19**		ug/m3	9.9
4-Methyl-2-Pentanone	**12**		ppbv	1.8
4-Methyl-2-Pentanone	**49**		ug/m3	7.5
Toluene	**27**		ppbv	1.8
Toluene	**100**		ug/m3	6.9
Tetrachloroethene	**2.8**		ppbv	1.8
Tetrachloroethene	**19**		ug/m3	12
Ethylbenzene	**16**		ppbv	1.8
Ethylbenzene	**71**		ug/m3	8.0
m,p-Xylenes	**24**		ppbv	3.7
m,p-Xylenes	**100**		ug/m3	16
o-Xylene	**27**		ppbv	1.8
o-Xylene	**120**		ug/m3	8.0
4-Ethyltoluene	**15**		ppbv	1.8
4-Ethyltoluene	**74**		ug/m3	9.0
1,3,5-Trimethylbenzene	**37**		ppbv	1.8
1,3,5-Trimethylbenzene	**180**		ug/m3	9.0
1,2,4-Trimethylbenzene	**53**		ppbv	1.8
1,2,4-Trimethylbenzene	**260**		ug/m3	9.0

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Detection Summary

509527-018 Analyte		Result	Qual	Units	RL
	Xylene (total)	**51**		ppbv	1.8
	Xylene (total)	**220**		ug/m3	8.0
Method: EPA TO-3M					
	TPH Gasoline	**43**		ppmv	0.12
	TPH Gasoline	**170,000**		ug/m3	470

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-32-8	Lab ID: 509527-019	Collected: 05/31/24 11:56
	Matrix: Air	

509527-019 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**1.6**		%v/v	0.20
Methane	**2.5**		%v/v	0.20
Nitrogen	**91**		%v/v	10
Method: EPA TO-15 Prep Method: METHOD				
Vinyl Chloride	**16**		ppbv	0.80
Vinyl Chloride	**41**		ug/m3	2.0
Acetone	**69**		ppbv	4.0
Acetone	**160**		ug/m3	9.5
Carbon Disulfide	**0.98**		ppbv	0.80
Carbon Disulfide	**3.1**		ug/m3	2.5
Isopropanol (IPA)	**170**		ppbv	20
Isopropanol (IPA)	**420**		ug/m3	49
trans-1,2-Dichloroethene	**2.1**		ppbv	0.80
trans-1,2-Dichloroethene	**8.3**		ug/m3	3.2
MTBE	**1.5**		ppbv	0.80
MTBE	**5.5**		ug/m3	2.9
n-Hexane	**150**		ppbv	0.80
n-Hexane	**520**		ug/m3	2.8
1,1-Dichloroethane	**2.0**		ppbv	0.80
1,1-Dichloroethane	**8.3**		ug/m3	3.2
cis-1,2-Dichloroethene	**8.1**		ppbv	0.80
cis-1,2-Dichloroethene	**32**		ug/m3	3.2
2-Butanone	**4.8**		ppbv	4.0
2-Butanone	**14**		ug/m3	12
Benzene	**11**		ppbv	0.80
Benzene	**36**		ug/m3	2.6
Toluene	**2.0**		ppbv	0.80
Toluene	**7.4**		ug/m3	3.0
Tetrachloroethene	**1.4**		ppbv	0.80
Tetrachloroethene	**9.7**		ug/m3	5.4
m,p-Xylenes	**1.9**		ppbv	1.6
m,p-Xylenes	**8.4**		ug/m3	6.9
o-Xylene	**1.2**		ppbv	0.80
o-Xylene	**5.0**		ug/m3	3.5
Xylene (total)	**3.1**		ppbv	0.80
Xylene (total)	**13**		ug/m3	3.5
Method: EPA TO-3M				
TPH Gasoline	**5.3**		ppmv	0.050
TPH Gasoline	**22,000**		ug/m3	200

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-52-8	Lab ID: 509527-020	Collected: 05/31/24 15:36
	Matrix: Air	

509527-020 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**1.1**		%v/v	0.23
Oxygen	**19**		%v/v	0.23
Nitrogen	**77**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Freon 12	**0.50**		ppbv	0.46
Freon 12	**2.5**		ug/m3	2.3
Chloromethane	**1.1**		ppbv	0.46
Chloromethane	**2.3**		ug/m3	0.95
Chloroethane	**0.64**		ppbv	0.46
Chloroethane	**1.7**		ug/m3	1.2
Acetone	**22**		ppbv	2.3
Acetone	**53**		ug/m3	5.5
Carbon Disulfide	**14**		ppbv	0.46
Carbon Disulfide	**44**		ug/m3	1.4
Isopropanol (IPA)	**15**		ppbv	2.3
Isopropanol (IPA)	**38**		ug/m3	5.7
Methylene Chloride	**0.73**		ppbv	0.46
Methylene Chloride	**2.5**		ug/m3	1.6
n-Hexane	**5.9**		ppbv	0.46
n-Hexane	**21**		ug/m3	1.6
2-Butanone	**4.9**		ppbv	2.3
2-Butanone	**14**		ug/m3	6.8
Chloroform	**1.9**		ppbv	0.46
Chloroform	**9.1**		ug/m3	2.2
Benzene	**2.4**		ppbv	0.46
Benzene	**7.6**		ug/m3	1.5
4-Methyl-2-Pentanone	**1.7**		ppbv	0.46
4-Methyl-2-Pentanone	**6.9**		ug/m3	1.9
Toluene	**12**		ppbv	0.46
Toluene	**46**		ug/m3	1.7
Ethylbenzene	**1.0**		ppbv	0.46
Ethylbenzene	**4.3**		ug/m3	2.0
m,p-Xylenes	**4.7**		ppbv	0.92
m,p-Xylenes	**20**		ug/m3	4.0
o-Xylene	**1.3**		ppbv	0.46
o-Xylene	**5.5**		ug/m3	2.0
1,3,5-Trimethylbenzene	**0.71**		ppbv	0.46
1,3,5-Trimethylbenzene	**3.5**		ug/m3	2.3
1,2,4-Trimethylbenzene	**1.7**		ppbv	0.46
1,2,4-Trimethylbenzene	**8.2**		ug/m3	2.3
Xylene (total)	**5.9**		ppbv	0.46
Xylene (total)	**26**		ug/m3	2.0
Method: EPA TO-3M				
TPH Gasoline	**0.95**		ppmv	0.058

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

509527-020 Analyte	Result	Qual	Units	RL
TPH Gasoline	**3,900**		ug/m3	240

Sample ID: SVP-25-5 **Lab ID: 509527-021** **Collected: 06/03/24 15:47**
Matrix: Air

509527-021 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Carbon Dioxide	**3.1**		%v/v	0.24
Oxygen	**16**		%v/v	0.24
Methane	**0.49**		%v/v	0.24
Nitrogen	**75**		%v/v	12
Method: EPA TO-15 Prep Method: METHOD				
Carbon Disulfide	**7.4**		ppbv	4.0
Carbon Disulfide	**23**		ug/m3	12
n-Hexane	**270**		ppbv	4.0
n-Hexane	**940**		ug/m3	14
Chloroform	**6.1**		ppbv	4.0
Chloroform	**30**		ug/m3	20
Trichloroethene	**12**		ppbv	4.0
Trichloroethene	**65**		ug/m3	21
Toluene	**14**		ppbv	4.0
Toluene	**54**		ug/m3	15
Tetrachloroethene	**40**		ppbv	4.0
Tetrachloroethene	**270**		ug/m3	27
m,p-Xylenes	**10**		ppbv	8.0
m,p-Xylenes	**45**		ug/m3	35
Xylene (total)	**10**		ppbv	4.0
Xylene (total)	**45**		ug/m3	17
Method: EPA TO-3M				
TPH Gasoline	**45**		ppmv	0.60
TPH Gasoline	**180,000**		ug/m3	2,500

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SVP-36-8	Lab ID: 509527-022	Collected: 06/03/24 16:32
	Matrix: Air	

509527-022 Analyte	Result	Qual	Units	RL
Method: ASTM D1946 Prep Method: METHOD				
Helium	**0.39**		%v/v	0.26
Carbon Dioxide	**1.0**		%v/v	0.26
Oxygen	**14**		%v/v	0.26
Methane	**1.9**		%v/v	0.26
Nitrogen	**78**		%v/v	13
Method: EPA TO-15 Prep Method: METHOD				
Chloroethane	**630**		ppbv	16
Chloroethane	**1,700**		ug/m3	41
n-Hexane	**2,700**		ppbv	16
n-Hexane	**9,400**		ug/m3	55
1,1-Dichloroethane	**17**		ppbv	16
1,1-Dichloroethane	**68**		ug/m3	63
Benzene	**25**		ppbv	16
Benzene	**80**		ug/m3	50
Toluene	**20**		ppbv	16
Toluene	**75**		ug/m3	59
o-Xylene	**80**		ppbv	16
o-Xylene	**350**		ug/m3	68
4-Ethyltoluene	**45**		ppbv	16
4-Ethyltoluene	**220**		ug/m3	77
1,3,5-Trimethylbenzene	**70**		ppbv	16
1,3,5-Trimethylbenzene	**340**		ug/m3	77
1,2,4-Trimethylbenzene	**58**		ppbv	16
1,2,4-Trimethylbenzene	**290**		ug/m3	77
1,3-Dichlorobenzene	**18**		ppbv	16
1,3-Dichlorobenzene	**110**		ug/m3	94
1,4-Dichlorobenzene	**69**		ppbv	16
1,4-Dichlorobenzene	**410**		ug/m3	94
1,2-Dichlorobenzene	**23**		ppbv	16
1,2-Dichlorobenzene	**140**		ug/m3	94
Xylene (total)	**80**		ppbv	16
Xylene (total)	**350**		ug/m3	68
Method: EPA TO-3M				
TPH Gasoline	**220**		ppmv	0.65
TPH Gasoline	**890,000**		ug/m3	2,700

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

509527

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ENTHALPY ANALYTICAL

Air Chain of Custody Record

Lab Job No. _____

Page 1 of 3

CUSTOMER INFORMATION				PROJECT INFORMATION		PO Number:
Company:	Roux Associates, Inc			Name:	ABRI	1793.003050000
Report To:	Josh Osborne			Number:		Lab Quote Number:
Email:	Josborne@rouxinc.com			Address:	7825 San Leandro St, Oakland, CA	
Address:	555 12th st, suite 250, Oakland, CA					
				Global ID:		
Phone:		Fax:		Sampled By:	Anneke Vonk, Dylan B	

Special Instructions:

Analysis Request: VOCs by USEPA mthd TO-15; TPH-g by USEPA mthd TO-3; Fixed gases by ASTM D-1946

Required Turnaround Time: Standard X; 5 Day ☐; 3 Day ☐; 2 Day ☐; 1 Day ☐; Custom TAT: ____

	Sample ID	Air Type (I) Indoor (A) Ambient (SV) Soil Vapor	Equipment Information: Canister ID	Canister Size (6L or 1L)	Flow Controller ID	Start Sampling Information: Date	Time	Canister Pressure (in. Hg)	Stop Sampling Information: Date	Time	Canister Pressure (in. Hg)	VOCs	TPH-g	Fixed gases			Comments
1	SVP-41-8	SV	C10916	1L	A10618	5-30-24	1043	-30	5-30-24	1531	-5	X	X	X			
2	SVP-41-5	"	C10780	"	A10341	"	1154	-29	"	1202	-5	X	X	X			
3	SVP-45-5	"	C10823	"	A10496	"	1251	-28	"	1258	-4	X	X	X			
4	SVP-53-5	"	C10823	"	A10128	"	1411	-30	"	1418	-3	X	X	X			
5	SVP-53-8	"	C11019	"	A10303	"	1511	-28	"	1552	-5	X	X	X			
6	SVP-06-5	"	C10862	"	A10361	5-31-24	0947	-29	5-31-24	0955	-5	X	X	X			
7	SVP-06-8	"	C10852	"	A10746	5-31-24	1034	-30	5-31-24	1042	-5	X	X	X			
8																	
9																	
10																	

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE / TIME
RELINQUISHED BY:	Dylan	Dylan Bailey	Roux	6/4/24 1020
RECEIVED BY:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/4/24 1020
RELINQUISHED BY:	Audrey Hudson	"	"	6/4/24 1235
RECEIVED BY:				6/4/24 1235
RELINQUISHED BY:				6/4/24 1442
RECEIVED BY:				6-5-24 1000

504527

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ENTHALPY ANALYTICAL

Air Chain of Custody Record

Lab Job No. _____

CUSTOMER INFORMATION		PROJECT INFORMATION		PO Number:
Company:		Name:		
Report To:	See Page 1	Number:		Lab Quote Number:
Email:		Address:		
Address:				
		Global ID:		
Phone:	Fax:	Sampled By:		

Special Instructions:

Analysis Request: VOCs TO-15; TPH-g TO-3; Fixed Gases ASTM D-1946

Required Turnaround Time: Standard X; 5 Day ☐; 3 Day ☐; 2 Day ☐; 1 Day ☐; Custom TAT: ____

	Sample ID	Air Type (I) Indoor (A) Ambient (SV) Soil Vapor	Equipment Information: Canister ID	Canister Size (6L or 1L)	Flow Controller ID	Start Sampling Information: Date	Time	Canister Pressure (in. Hg)	Stop Sampling Information: Date	Time	Canister Pressure (in. Hg)	VOCs TO-15	TPH-g TO-3	Fixed Gases ASTM D-1946	Comments
1	SVP-2S-8	SV	C11006	1L	A10266	5/31/24	1637	-30	5-31-24	1650	-8	X	X	X	
2	SVP-36-S	SV	C11326	1L	A10783	5-31-24	1459	-29	5-31-24	1548	-7	X	X	X	
3	SVP-13-8	SV	C10929	1L	A10152	6-3-24	1127	-30	6-3-24	1355	-8	X	X	X	
4	SVP-10-8	SV	C10837	1L	A10118	6-3-24	1008	-30	6-3-24	1153	-8	X	X	X	
5	SVP-10-S	SV	C11476	1L	A10130	6-3-24	0958	-30	6-3-24	1021	-5	X	X	X	
6	SVP-DUP-01	SV	C10801	1L	A10130	6-3-24	0958	-30	6-3-24	1021	-5	X	X	X	
7	SVP-13-S	SV	C10735	1L	A10175	6-3-24	1104	-29	6-3-24	1118	-5	X	X	X	
8	SVP-DUP-02	SV	C11338	1L	A10175	6-3-24	1104	-29	6-3-24	1118	-5	X	X	X	
9	SVP-62-4	SV	C10968	1L	A10107	6-3-24	~~1144~~ 1224	-29	6-3-24	1315	-8	X	X	X	Sample Start 1224
10	SVP-DUP-03	SV	C10948	1L	A10107	6-3-24	1224	-29	6-3-24	1315	-8	X	X	X	

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE / TIME
RELINQUISHED BY:		Dylan Bailey	Row	6/4/24 10:20
RECEIVED BY:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/4/24 10:20
RELINQUISHED BY:	Audrey Hudson	〃	〃	6/4/24 12:35
RECEIVED BY:		[illegible]	EA	6/4/24 12:35
RELINQUISHED BY:				
RECEIVED BY:		NICK		6-5-24 1000

509527

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ENTHALPY ANALYTICAL

Air Chain of Custody Record

Lab Job No. _____

Page 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION		PO Number:
Company:		Name:		
Report To:	See Page 1	Number:		Lab Quote Number:
Email:		Address:		
Address:				
		Global ID:		
Phone:	Fax:	Sampled By:		

Special Instructions:

Analysis Request

	Sample ID	Air Type (I) Indoor (A) Ambient (SV) Soil Vapor	Equipment Information: Canister ID	Canister Size (6L or 1L)	Flow Controller ID	Start Sampling Information: Date	Time	Canister Pressure (in. Hg)	Stop Sampling Information: Date	Time	Canister Pressure (in. Hg)	VOCs TO-15	TPH-g TO-3	Fixed Gases ASTM D-1946	Comments
1	SVP-57-5	SV	C11442	1L	A10144	6-3-24	1426	-29	6-3-24	1432	-5	X	X	X	
2	SVP-32-8	SV	C11365	1L	A10087	5-31-24	1147	-29.5	5-31-24	1156	-5	X	X	X	
3	SVP-52-8	SV	C10580	1L	A10385	5-31-24	1422	-29	5-31-24	1536	-10	X	X	X	
4	SVP-25-5	SV	C11511	1L	A10030	6-3-24	1255	-29	6-3-24	1547	-9	X	X	X	
5	SVP-36-8	SV	C10585	1L	A10381	6-3-24	1525	-29	6-3-24	1632	-10	X	X	X	
6															
7															
8															
9															
10															

Required Turnaround Time

Standard X
5 Day ☐
3 Day ☐
2 Day ☐
1 Day ☐
Custom TAT: ____

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE / TIME
RELINQUISHED BY:		Dylan Boyle	Route	6/4/24 1020
RECEIVED BY:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/4/24 10:20
RELINQUISHED BY:	Audrey Hudson	"	"	6/4/24 12:35
RECEIVED BY:		Manuel Uribe	Route	6/4/24 17:35
RELINQUISHED BY:				
RECEIVED BY:		Nick Ulloa	FedEx	6-5-24 0900

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 6/4/24 Login # 509527 Client: Ramboll

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ☑ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 6/4/24 By (print) 6/4/24 (sign) _____

☐ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): Ambient

How many coolers? 2 Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☑ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?		✓	
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted about this delivery? Contacted:_____ By:_____ Date:_____			

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

Two samples have ID "SVP-10-5", one identified as "SSW SVP-10-8" by container number.

Sample -001 does not match COC; confirmed by container number

Date Logged 6/4/24 **By (print)** [illegible] **(sign)** _____

Date Labeled 6/4/24 **By (print)** [illegible] **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: AB&I Foundry

Date Received: 6/5/24 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☐ Yes, How many? _____ ☑ No (skip section 2) Sample Temp (°C) (No Cooler): AMB

Sample Temp (°C), One from each cooler: #1: _____ #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6-5-24

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www.enthalpy.com/socal

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-41-8 **Batch#:** 342189 **Prep:** METHOD

Lab ID: 509527-001 **Sampled:** 05/30/24 18:31 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** MBC

Diln Fac: 2.000 **Analyzed:** 06/07/24 15:35

509527-001 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	2.0	ppbv	ND	5.4	ug/m3
Freon 12	**0.59**	0.40	ppbv	**2.9**	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	**1.5**	0.40	ppbv	**3.0**	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**28**	2.0	ppbv	**66**	4.8	ug/m3
Carbon Disulfide	**16**	0.40	ppbv	**49**	1.2	ug/m3
Isopropanol (IPA)	**34**	2.0	ppbv	**84**	4.9	ug/m3
Methylene Chloride	**1.4**	0.40	ppbv	**4.8**	1.4	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	**0.79**	0.40	ppbv	**2.8**	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
2-Butanone	**3.5**	2.0	ppbv	**10**	5.9	ug/m3
Chloroform	**0.54**	0.40	ppbv	**2.6**	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	**1.6**	0.40	ppbv	**5.0**	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Trichloroethene	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**6.6**	0.40	ppbv	**25**	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**0.80**	0.40	ppbv	**5.4**	2.7	ug/m3
2-Hexanone	ND	1.0	ppbv	ND	4.1	ug/m3
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**0.58**	0.40	ppbv	**2.5**	1.7	ug/m3
m,p-Xylenes	**1.3**	0.80	ppbv	**5.5**	3.5	ug/m3
o-Xylene	**0.57**	0.40	ppbv	**2.5**	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

509527-001 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	0.40	ppbv	ND	3.0	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	2.0	ppbv	ND	10	ug/m3
Xylene (total)	**1.8**	0.40	ppbv	**8.0**	1.7	ug/m3

509527-001 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	103	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-41-5 **Batch#:** 342189 **Prep:** METHOD

Lab ID: 509527-002 **Sampled:** 05/30/24 12:02 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** MBC

Diln Fac: 2.000 **Analyzed:** 06/07/24 16:25

509527-002 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	2.0	ppbv	ND	5.4	ug/m3
Freon 12	**0.60**	0.40	ppbv	**3.0**	2.0	ug/m3
Freon 114	ND	0.40	ppbv	ND	2.8	ug/m3
Chloromethane	ND	0.40	ppbv	ND	0.83	ug/m3
Vinyl Chloride	ND	0.40	ppbv	ND	1.0	ug/m3
Bromomethane	ND	0.40	ppbv	ND	1.6	ug/m3
Chloroethane	ND	0.40	ppbv	ND	1.1	ug/m3
Trichlorofluoromethane	ND	0.40	ppbv	ND	2.2	ug/m3
1,1-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
Freon 113	ND	0.40	ppbv	ND	3.1	ug/m3
Acetone	**5.9**	2.0	ppbv	**14**	4.8	ug/m3
Carbon Disulfide	**4.3**	0.40	ppbv	**13**	1.2	ug/m3
Isopropanol (IPA)	ND	2.0	ppbv	ND	4.9	ug/m3
Methylene Chloride	ND	0.40	ppbv	ND	1.4	ug/m3
trans-1,2-Dichloroethene	ND	0.40	ppbv	ND	1.6	ug/m3
MTBE	ND	0.40	ppbv	ND	1.4	ug/m3
n-Hexane	ND	0.40	ppbv	ND	1.4	ug/m3
1,1-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Vinyl Acetate	ND	2.0	ppbv	ND	7.0	ug/m3
cis-1,2-Dichloroethene	**0.42**	0.40	ppbv	**1.7**	1.6	ug/m3
2-Butanone	ND	2.0	ppbv	ND	5.9	ug/m3
Chloroform	**1.1**	0.40	ppbv	**5.6**	2.0	ug/m3
1,1,1-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Carbon Tetrachloride	ND	0.40	ppbv	ND	2.5	ug/m3
Benzene	**1.3**	0.40	ppbv	**4.1**	1.3	ug/m3
1,2-Dichloroethane	ND	0.40	ppbv	ND	1.6	ug/m3
Trichloroethene	**3.2**	0.40	ppbv	**17**	2.1	ug/m3
1,2-Dichloropropane	ND	0.40	ppbv	ND	1.8	ug/m3
Bromodichloromethane	ND	0.40	ppbv	ND	2.7	ug/m3
cis-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
4-Methyl-2-Pentanone	ND	0.40	ppbv	ND	1.6	ug/m3
Toluene	**4.5**	0.40	ppbv	**17**	1.5	ug/m3
trans-1,3-Dichloropropene	ND	0.40	ppbv	ND	1.8	ug/m3
1,1,2-Trichloroethane	ND	0.40	ppbv	ND	2.2	ug/m3
Tetrachloroethene	**3.3**	0.40	ppbv	**22**	2.7	ug/m3
2-Hexanone	ND	1.0	ppbv	ND	4.1	ug/m3
Dibromochloromethane	ND	0.40	ppbv	ND	3.4	ug/m3
1,2-Dibromoethane	ND	0.40	ppbv	ND	3.1	ug/m3
Chlorobenzene	ND	0.40	ppbv	ND	1.8	ug/m3
Ethylbenzene	**0.60**	0.40	ppbv	**2.6**	1.7	ug/m3
m,p-Xylenes	**1.4**	0.80	ppbv	**5.9**	3.5	ug/m3
o-Xylene	**0.74**	0.40	ppbv	**3.2**	1.7	ug/m3
Styrene	ND	0.40	ppbv	ND	1.7	ug/m3
Bromoform	ND	0.40	ppbv	ND	4.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.40	ppbv	ND	2.7	ug/m3

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

509527-002 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	0.40	ppbv	ND	2.0	ug/m3
1,3,5-Trimethylbenzene	ND	0.40	ppbv	ND	2.0	ug/m3
1,2,4-Trimethylbenzene	**0.65**	0.40	ppbv	**3.2**	2.0	ug/m3
1,3-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,4-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
Benzyl chloride	ND	0.40	ppbv	ND	2.1	ug/m3
1,2-Dichlorobenzene	ND	0.40	ppbv	ND	2.4	ug/m3
1,2,4-Trichlorobenzene	ND	0.40	ppbv	ND	3.0	ug/m3
Hexachlorobutadiene	ND	0.40	ppbv	ND	4.3	ug/m3
Naphthalene	ND	2.0	ppbv	ND	10	ug/m3
Xylene (total)	**2.1**	0.40	ppbv	**9.1**	1.7	ug/m3

509527-002 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	102	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-45-5 **Batch#:** 342189 **Prep:** METHOD

Lab ID: 509527-003 **Sampled:** 05/30/24 12:58 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** MBC

Diln Fac: 2.200 **Analyzed:** 06/07/24 21:52

509527-003 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	2.2	ppbv	ND	5.9	ug/m3
Freon 12	ND	0.44	ppbv	ND	2.2	ug/m3
Freon 114	ND	0.44	ppbv	ND	3.1	ug/m3
Chloromethane	ND	0.44	ppbv	ND	0.91	ug/m3
Vinyl Chloride	**38**	0.44	ppbv	**98**	1.1	ug/m3
Bromomethane	ND	0.44	ppbv	ND	1.7	ug/m3
Chloroethane	**1.3**	0.44	ppbv	**3.4**	1.2	ug/m3
Trichlorofluoromethane	ND	0.44	ppbv	ND	2.5	ug/m3
1,1-Dichloroethene	ND	0.44	ppbv	ND	1.7	ug/m3
Freon 113	ND	0.44	ppbv	ND	3.4	ug/m3
Acetone	**7.7**	2.2	ppbv	**18**	5.2	ug/m3
Carbon Disulfide	**2.8**	0.44	ppbv	**8.7**	1.4	ug/m3
Isopropanol (IPA)	ND	2.2	ppbv	ND	5.4	ug/m3
Methylene Chloride	ND	0.44	ppbv	ND	1.5	ug/m3
trans-1,2-Dichloroethene	ND	0.44	ppbv	ND	1.7	ug/m3
MTBE	**2.6**	0.44	ppbv	**9.4**	1.6	ug/m3
n-Hexane	**56**	0.44	ppbv	**200**	1.6	ug/m3
1,1-Dichloroethane	**1.4**	0.44	ppbv	**5.7**	1.8	ug/m3
Vinyl Acetate	ND	2.2	ppbv	ND	7.7	ug/m3
cis-1,2-Dichloroethene	**4.5**	0.44	ppbv	**18**	1.7	ug/m3
2-Butanone	**2.3**	2.2	ppbv	**6.8**	6.5	ug/m3
Chloroform	ND	0.44	ppbv	ND	2.1	ug/m3
1,1,1-Trichloroethane	ND	0.44	ppbv	ND	2.4	ug/m3
Carbon Tetrachloride	ND	0.44	ppbv	ND	2.8	ug/m3
Benzene	**1.9**	0.44	ppbv	**6.0**	1.4	ug/m3
1,2-Dichloroethane	ND	0.44	ppbv	ND	1.8	ug/m3
Trichloroethene	ND	0.44	ppbv	ND	2.4	ug/m3
1,2-Dichloropropane	ND	0.44	ppbv	ND	2.0	ug/m3
Bromodichloromethane	ND	0.44	ppbv	ND	2.9	ug/m3
cis-1,3-Dichloropropene	ND	0.44	ppbv	ND	2.0	ug/m3
4-Methyl-2-Pentanone	ND	0.44	ppbv	ND	1.8	ug/m3
Toluene	**0.98**	0.44	ppbv	**3.7**	1.7	ug/m3
trans-1,3-Dichloropropene	ND	0.44	ppbv	ND	2.0	ug/m3
1,1,2-Trichloroethane	ND	0.44	ppbv	ND	2.4	ug/m3
Tetrachloroethene	**0.75**	0.44	ppbv	**5.1**	3.0	ug/m3
2-Hexanone	ND	1.1	ppbv	ND	4.5	ug/m3
Dibromochloromethane	ND	0.44	ppbv	ND	3.7	ug/m3
1,2-Dibromoethane	ND	0.44	ppbv	ND	3.4	ug/m3
Chlorobenzene	ND	0.44	ppbv	ND	2.0	ug/m3
Ethylbenzene	ND	0.44	ppbv	ND	1.9	ug/m3
m,p-Xylenes	ND	0.88	ppbv	ND	3.8	ug/m3
o-Xylene	ND	0.44	ppbv	ND	1.9	ug/m3
Styrene	ND	0.44	ppbv	ND	1.9	ug/m3
Bromoform	ND	0.44	ppbv	ND	4.5	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.44	ppbv	ND	3.0	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.44	ppbv	ND	3.0	ug/m3

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

509527-003 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	0.44	ppbv	ND	2.2	ug/m3
1,3,5-Trimethylbenzene	ND	0.44	ppbv	ND	2.2	ug/m3
1,2,4-Trimethylbenzene	ND	0.44	ppbv	ND	2.2	ug/m3
1,3-Dichlorobenzene	ND	0.44	ppbv	ND	2.6	ug/m3
1,4-Dichlorobenzene	ND	0.44	ppbv	ND	2.6	ug/m3
Benzyl chloride	ND	0.44	ppbv	ND	2.3	ug/m3
1,2-Dichlorobenzene	ND	0.44	ppbv	ND	2.6	ug/m3
1,2,4-Trichlorobenzene	ND	0.44	ppbv	ND	3.3	ug/m3
Hexachlorobutadiene	ND	0.44	ppbv	ND	4.7	ug/m3
Naphthalene	ND	2.2	ppbv	ND	12	ug/m3
Xylene (total)	ND	0.44	ppbv	ND	1.9	ug/m3

509527-003 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	104	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

Enthalpy Analytical - Orange Analytical Report

Lab #: 409427 **Project#:** 1795.0050S000

Client: Roux A((osiate(**Location:** AB&) Founl rc

Field ID:	SVP-45-4	**Batch#:**	532189	**Prep:**	METHOD
Lab ID:	409427-003	**Sampled:**	04/50/23 13:18	**Analysis:**	EPA TO-14
Matrix:	Air	**Received:**	06/03/23	**Analyst:**	MBC
Diln Fac:	30.00	**Analyzed:**	06/08/23 00:32		

509527-004 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	30	ppbv	ND	110	ug/m5
Freon 12	ND	8.0	ppbv	ND	30	ug/m5
Freon 113	ND	8.0	ppbv	ND	46	ug/m5
Chloromethane	ND	8.0	ppbv	ND	17	ug/m5
Vincl Chloril e	ND	8.0	ppbv	ND	20	ug/m5
Bromomethane	ND	8.0	ppbv	ND	51	ug/m5
Chloroethane	ND	8.0	ppbv	ND	21	ug/m5
Trishlorofluoromethane	ND	8.0	ppbv	ND	34	ug/m5
1,1-Dishloroethene	ND	8.0	ppbv	ND	52	ug/m5
Freon 115	ND	8.0	ppbv	ND	61	ug/m5
Asetone	ND	30	ppbv	ND	94	ug/m5
Carbon Di(ulfil e	ND	8.0	ppbv	ND	24	ug/m5
)(opropanol y)PAd	ND	30	ppbv	ND	98	ug/m5
Methclene Chloril e	ND	8.0	ppbv	ND	28	ug/m5
tran(-1,2-Dishloroethene	ND	8.0	ppbv	ND	52	ug/m5
MTBE	ND	8.0	ppbv	ND	29	ug/m5
n-Hexane	**1,700**	8.0	ppbv	**5,900**	28	ug/m5
1,1-Dichloroethane	**10**	8.0	ppbv	**41**	52	ug/m5
Vincl Asetate	ND	30	ppbv	ND	130	ug/m5
si(-1,2-Dishloroethene	ND	8.0	ppbv	ND	52	ug/m5
2-Butanone	ND	30	ppbv	ND	120	ug/m5
Chloroform	ND	8.0	ppbv	ND	59	ug/m5
1,1,1-Trishloroethane	ND	8.0	ppbv	ND	33	ug/m5
Carbon Tetrashloril e	ND	8.0	ppbv	ND	40	ug/m5
Benzene	**9.3**	8.0	ppbv	**30**	26	ug/m5
1,2-Dishloroethane	ND	8.0	ppbv	ND	52	ug/m5
Trishloroethene	ND	8.0	ppbv	ND	35	ug/m5
1,2-Dishloropropane	ND	8.0	ppbv	ND	57	ug/m5
Bromol ishloromethane	ND	8.0	ppbv	ND	43	ug/m5
si(-1,5-Dishloropropene	ND	8.0	ppbv	ND	56	ug/m5
3-Methcl-2-Pentanone	ND	8.0	ppbv	ND	55	ug/m5
Toluene	**15**	8.0	ppbv	**57**	50	ug/m5
tran(-1,5-Dishloropropene	ND	8.0	ppbv	ND	56	ug/m5
1,1,2-Trishloroethane	ND	8.0	ppbv	ND	33	ug/m5
Tetrashloroethene	ND	8.0	ppbv	ND	43	ug/m5
2-Hexanone	ND	20	ppbv	ND	82	ug/m5
Dibromoshloromethane	ND	8.0	ppbv	ND	68	ug/m5
1,2-Dibromoethane	ND	8.0	ppbv	ND	61	ug/m5
Chlorobenzene	ND	8.0	ppbv	ND	57	ug/m5
Ethylbenzene	**8.2**	8.0	ppbv	**35**	54	ug/m5
m,p-Xclene(	ND	16	ppbv	ND	69	ug/m5
o-Xclene	ND	8.0	ppbv	ND	54	ug/m5
Stcrene	ND	8.0	ppbv	ND	53	ug/m5
Bromoform	ND	8.0	ppbv	ND	85	ug/m5
1,1,2,2-Tetrashloroethane	ND	8.0	ppbv	ND	44	ug/m5
1,1,1,2-Tetrashloroethane	ND	8.0	ppbv	ND	44	ug/m5

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 409427 **Project#:** 1795.0050S000

Client: Roux A((osiate(**Location:** AB&) Founl rc

509527-004 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
3-Ethcltoluene	ND	8.0	ppbv	ND	59	ug/m5
1,3,5-Trimethylbenzene	**12**	8.0	ppbv	**57**	59	ug/m5
1,2,4-Trimethylbenzene	**9.4**	8.0	ppbv	**46**	59	ug/m5
1,5-Dishlorobenzene	ND	8.0	ppbv	ND	38	ug/m5
1,3-Dishlorobenzene	ND	8.0	ppbv	ND	38	ug/m5
Benzcl shloril e	ND	8.0	ppbv	ND	31	ug/m5
1,2-Dishlorobenzene	ND	8.0	ppbv	ND	38	ug/m5
1,2,3-Trishlorobenzene	ND	8.0	ppbv	ND	49	ug/m5
Hexashlorobutal iene	ND	8.0	ppbv	ND	84	ug/m5
Naphthalene	ND	30	ppbv	ND	210	ug/m5
Xclene ytotald	ND	8.0	ppbv	ND	54	ug/m5

509527-004 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	112	60-130	ug/m5

LegenI

ND: Not Detestel

RL (V): Reporting Limit

Result (M): Re(ult in ma((unit(

Result (V): Re(ult in volume unit(

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 409417 **Project#:** 8795.0050S000

Client: x ou) A((osiate(**Location:** ABz XFounI rc

Field ID: SVP-45-3 **Batch#:** 521839 **Prep:** METHOD

Lab ID: 409417-004 **Sampled:** 04/50/12 84:41 **Analysis:** EPA TO-84

Matrix: Air **Received:** 06/02/12 **Analyst:** MBC

Diln Fac: 4.400 **Analyzed:** 06/03/12 09:17

509527-005 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
8,8-Difluoroethane	ND	4.4	ppbv	ND	84	ug/m5
Freon 81	ND	8.8	ppbv	ND	4.2	ug/m5
Freon 882	ND	8.8	ppbv	ND	7.7	ug/m5
Chloromethane	ND	8.8	ppbv	ND	1.5	ug/m5
Vincl ChloriI e	ND	8.8	ppbv	ND	1.3	ug/m5
Bromomethane	ND	8.8	ppbv	ND	2.5	ug/m5
Chloroethane	ND	8.8	ppbv	ND	1.9	ug/m5
Trishlorofluoromethane	ND	8.8	ppbv	ND	6.1	ug/m5
8,8-Dishloroethene	ND	8.8	ppbv	ND	2.2	ug/m5
Freon 885	ND	8.8	ppbv	ND	3.2	ug/m5
Acetone	**9.3**	4.4	ppbv	**22**	85	ug/m5
Carbon Disulfide	**30**	8.8	ppbv	**92**	5.2	ug/m5
Isopropanol (IPA)	**5.7**	4.4	ppbv	**14**	82	ug/m5
Methclene ChloriI e	ND	8.8	ppbv	ND	5.3	ug/m5
tran(-8,1-Dishloroethene	ND	8.8	ppbv	ND	2.2	ug/m5
MTBE	ND	8.8	ppbv	ND	2.0	ug/m5
n-Hexane	**250**	8.8	ppbv	**900**	5.9	ug/m5
8,8-Dishloroethane	ND	8.8	ppbv	ND	2.4	ug/m5
Vincl Asetate	ND	4.4	ppbv	ND	89	ug/m5
si(-8,1-Dishloroethene	ND	8.8	ppbv	ND	2.2	ug/m5
1-Butanone	ND	4.4	ppbv	ND	86	ug/m5
Chloroform	ND	8.8	ppbv	ND	4.2	ug/m5
8,8,8-Trishloroethane	ND	8.8	ppbv	ND	6.0	ug/m5
Carbon Tetrashloril e	ND	8.8	ppbv	ND	6.9	ug/m5
Benzene	**3.8**	8.8	ppbv	**12**	5.4	ug/m5
8,1-Dishloroethane	ND	8.8	ppbv	ND	2.4	ug/m5
Trishloroethene	ND	8.8	ppbv	ND	4.9	ug/m5
8,1-Dishloropropane	ND	8.8	ppbv	ND	4.8	ug/m5
Bromol ishloromethane	ND	8.8	ppbv	ND	7.2	ug/m5
si(-8,5-Dishloropropene	ND	8.8	ppbv	ND	4.0	ug/m5
2-Methcl-1-Pentanone	ND	8.8	ppbv	ND	2.4	ug/m5
Toluene	**4.5**	8.8	ppbv	**17**	2.8	ug/m5
tran(-8,5-Dishloropropene	ND	8.8	ppbv	ND	4.0	ug/m5
8,8,1-Trishloroethane	ND	8.8	ppbv	ND	6.0	ug/m5
Tetrashloroethene	ND	8.8	ppbv	ND	7.4	ug/m5
1-He) anone	ND	1.3	ppbv	ND	88	ug/m5
Dibromoshloromethane	ND	8.8	ppbv	ND	9.2	ug/m5
8,1-Dibromoethane	ND	8.8	ppbv	ND	3.4	ug/m5
Chlorobenyene	ND	8.8	ppbv	ND	4.8	ug/m5
Ethclbenyene	ND	8.8	ppbv	ND	2.3	ug/m5
m,p-dclene(	ND	1.1	ppbv	ND	9.6	ug/m5
o-dclene	ND	8.8	ppbv	ND	2.3	ug/m5
Stcrene	ND	8.8	ppbv	ND	2.7	ug/m5
Bromoform	ND	8.8	ppbv	ND	88	ug/m5
8,8,1,1-Tetrashloroethane	ND	8.8	ppbv	ND	7.6	ug/m5
8,8,8,1-Tetrashloroethane	ND	8.8	ppbv	ND	7.6	ug/m5

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 409417 **Project#:** 8795.0050S000

Client: x ou) A((osiate(**Location:** ABz XFounI rc

509527-005 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
2-Ethcltoluene	ND	8.8	ppbv	ND	4.2	ug/m5
8,5,4-Trimethclbenyene	ND	8.8	ppbv	ND	4.2	ug/m5
8,1,2-Trimethclbenyene	ND	8.8	ppbv	ND	4.2	ug/m5
8,5-Dishlorobenyene	ND	8.8	ppbv	ND	6.6	ug/m5
8,2-Dishlorobenyene	ND	8.8	ppbv	ND	6.6	ug/m5
Benycl shloriI e	ND	8.8	ppbv	ND	4.7	ug/m5
8,1-Dishlorobenyene	ND	8.8	ppbv	ND	6.6	ug/m5
8,1,2-Trishlorobenyene	ND	8.8	ppbv	ND	3.1	ug/m5
He) ashlorobutaI iene	ND	8.8	ppbv	ND	81	ug/m5
Naphthalene	ND	4.4	ppbv	ND	19	ug/m5
dclene R%otal&	ND	8.8	ppbv	ND	2.3	ug/m5

509527-005 Surrogate	%REC	Limits	Units (M)
Bromofluorobenyene	806	60-820	ug/m5

LegenI

ND: Not DetesteI

RL (V): x eporting Limit

Result (M): x e(ult in ma((unit(

Result (V): x e(ult in volume unit(

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 84789/ **Project#:** M/ 73.4434S444

3 lient: z ouRi ssocrates **Location:** i B&I:Found6y

Field ID: SVP-41-8 **Batch#:** 329ME3 **Prep:** T HCD5 0

Lab ID: 84789/ -441 **Sampled:** 48 3M92:47A88 **Analysis:** HPi :C5 -M8

Matrix: i r6 **Received:** 41 42 92 **Analyst:** T BC

Diln Fac: 9.M44 **Analyzed:** 41 4/ 92:93A87

509527-001 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
M,M40 rfluo6oethane	N0	9.M	ppbv	N0	8./	ug m3
F6eon:M9	N0	4.29	ppbv	N0	9.M	ug m3
F6eon:MM2	N0	4.29	ppbv	N0	9.7	ug m3
Chlo6omethane	N0	4.29	ppbv	N0	4.E/	ug m3
Vmyl:Chlo6de	N0	4.29	ppbv	N0	MM	ug m3
B6omomethane	N0	4.29	ppbv	N0	M1	ug m3
Chlo6oethane	N0	4.29	ppbv	N0	MM	ug m3
C8rchlo6ofluo6omethane	N0	4.29	ppbv	N0	9.2	ug m3
M,M40 rchlo6oethene	N0	4.29	ppbv	N0	M/	ug m3
F6eon:MM8	N0	4.29	ppbv	N0	3.9	ug m3
Acetone	**57**	9.M	ppbv	**. C0**	8.4	ug m3
3 arbon Disul8de	**22**	4.29	ppbv	**17**	M3	ug m3
Isopropanol (IPA)	**C2**	9.M	ppbv	**79**	8.9	ug m3
Methylene 3 hloride	**06f 7**	4.29	ppbv	**. 6l**	M8	ug m3
t6ans-M,9-0 rchlo6oethene	N0	4.29	ppbv	N0	M/	ug m3
T OBH	N0	4.29	ppbv	N0	M8	ug m3
n-4 exane	**52**	4.29	ppbv	**. H0**	M8	ug m3
M,M40 rchlo6oethane	N0	4.29	ppbv	N0	M/	ug m3
Vmyl:i cetate	N0	9.M	ppbv	N0	/ .2	ug m3
cis-. T2-Dichloroethene	**0670**	4.29	ppbv	**26H**	M/	ug m3
2-Butanone	**. 5**	9.M	ppbv	**f 5**	1.9	ug m3
3 hloro8orm	**. 62**	4.29	ppbv	**56H**	9.M	ug m3
M,MM4C8rchlo6oethane	N0	4.29	ppbv	N0	9.3	ug m3
Ca6bon:Cet6achlo6de	N0	4.29	ppbv	N0	9.1	ug m3
Benzene	**16H**	4.29	ppbv	**22**	M3	ug m3
M,9-0 rchlo6oethane	N0	4.29	ppbv	N0	M/	ug m3
C8rchlo6oethene	N0	4.29	ppbv	N0	9.3	ug m3
M,9-0 rchlo6op6opane	N0	4.29	ppbv	N0	M7	ug m3
B6omodrchlo6omethane	N0	4.29	ppbv	N0	9.E	ug m3
crs-M,3-0 rchlo6op6opene	N0	4.29	ppbv	N0	M7	ug m3
f -Methyl-2-Pentanone	**. 6l**	4.29	ppbv	**165**	M/	ug m3
Eoluene	**565**	4.29	ppbv	**2.**	M1	ug m3
t6ans-M,3-0 rchlo6op6opene	N0	4.29	ppbv	N0	M7	ug m3
M,M9-C8rchlo6oethane	N0	4.29	ppbv	N0	9.3	ug m3
Eetrachloroethene	**069C**	4.29	ppbv	**16C**	9.E	ug m3
2-4 exanone	**. 6H**	MM	ppbv	**762**	2.3	ug m3
0 rb6omochlo6omethane	N0	4.29	ppbv	N0	3.1	ug m3
M,9-0 rb6omoethane	N0	4.29	ppbv	N0	3.9	ug m3
Chlo6obenxene	N0	4.29	ppbv	N0	M7	ug m3
, thylbenzene	**06f 1**	4.29	ppbv	**260**	ME	ug m3
mTp-Xylenes	**. 6**	4.E2	ppbv	**f 69**	3.1	ug m3
o-Xylene	**06f C**	4.29	ppbv	**. 6H**	ME	ug m3
Sty6ene	N0	4.29	ppbv	N0	ME	ug m3
B6omofo6m	N0	4.29	ppbv	N0	2.3	ug m3
M,M9,9-C6t6achlo6oethane	N0	4.29	ppbv	N0	9.7	ug m3
M,M,M9-C6t6achlo6oethane	N0	4.29	ppbv	N0	9.7	ug m3

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 84789/ **Project#:** M/ 73.4434S444

3 lient: z ouRi ssocrates **Location:** i B&I:Found6y

509527-001 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
2-Hthyltoluene	N0	4.29	ppbv	N0	9.M	ug m3
M,3,8-O6methylbenxene	N0	4.29	ppbv	N0	9.M	ug m3
M,9,2-O6methylbenxene	N0	4.29	ppbv	N0	9.M	ug m3
M,3-0 rchlo6obenxene	N0	4.29	ppbv	N0	9.8	ug m3
M,2-0 rchlo6obenxene	N0	4.29	ppbv	N0	9.8	ug m3
Benxyl:chlo6ide	N0	4.29	ppbv	N0	9.9	ug m3
M,9-0 rchlo6obenxene	N0	4.29	ppbv	N0	9.8	ug m3
M,9,2-O6chlo6obenxene	N0	4.29	ppbv	N0	3.M	ug m3
DeFachlo6obutadrene	N0	4.29	ppbv	N0	2.8	ug m3
Naphthalene	N0	9.M	ppbv	N0	MM	ug m3
Xylene (total)	**. 6l**	4.29	ppbv	**16?**	ME	ug m3

509527-001 Surrogate	%R, 3	Limits	Units (M)
B6omofluo6obenxene	M48	14-M24	ug m3

Legend

ND: Not:0 etected

RL (V): z epo3mg:Lmrt

Result (M): z esult:m:mass:unrts

Result (V): z esult:m:volume:unrts

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical RepUrt

Lab #: 04709/ **PrUject#:** M/ 73.4434S444

Client: Roux:i ssocrates **LUcatiUn:** i B&I:Found6y

Field ID: SVP-41-8 **Batch#:** 329M83 **Prep:** E THOD5

Lab ID: 04709/ -44/ **Sampled:** 40 3M92:M4A29 **Analysis:** TPi :HD-M0

Matrix: i r6 **Received:** 41 42 92 **Analyst:** E BC

Diln Fac: 9.444 **Analyzed:** 41 48 92:44A27

509527-007 Analyte	Res1lt u(V	RL u(V	) nits u(V	Res1lt uMV	RL uMV	) nits uMV
M,M5 rfluo6oethane	N5	9.4	ppbv	N5	0.2	ug m3
F6eon:M9	N5	4.24	ppbv	N5	9.4	ug m3
F6eon:MM2	N5	4.24	ppbv	N5	9.8	ug m3
Chlo6omethane	N5	4.24	ppbv	N5	4.83	ug m3
Vmyl:Chlo6de	N5	4.24	ppbv	N5	M4	ug m3
B6omomethane	N5	4.24	ppbv	N5	M1	ug m3
Chlo6oethane	N5	4.24	ppbv	N5	MM	ug m3
H6chlo6ofluo6omethane	N5	4.24	ppbv	N5	9.9	ug m3
M,M5 rchlo6oethene	N5	4.24	ppbv	N5	M1	ug m3
F6eon:MM3	N5	4.24	ppbv	N5	3.M	ug m3
AcetUne	**o2**	9.4	ppbv	**. 50**	2.8	ug m3
CarbUn Dis1l3de	**58**	4.24	ppbv	**. 70**	M9	ug m3
IsUprUpanUl uPAV	**6f2**	9.4	ppbv	**7f9**	2.7	ug m3
E ethylene:Chlo6de	N5	4.24	ppbv	N5	M2	ug m3
t6ans-M,9-5 rchlo6oethene	N5	4.24	ppbv	N5	M1	ug m3
E HBT	N5	4.24	ppbv	N5	M2	ug m3
n-4 exane	**56**	4.24	ppbv	**. 90**	M2	ug m3
M,M5 rchlo6oethane	N5	4.24	ppbv	N5	M1	ug m3
Vmyl:i cetate	N5	9.4	ppbv	N5	/ .4	ug m3
cis-. l2-DichlUrUethene	**0f70**	4.24	ppbv	**2fT**	M1	ug m3
2-B1tanUne	**9f7**	9.4	ppbv	**29**	0.7	ug m3
ChlUrU3Urm	**2f.**	4.24	ppbv	**. 0**	9.4	ug m3
M,M,M-H6chlo6oethane	N5	4.24	ppbv	N5	9.9	ug m3
Ca6bon:Het6achlo6de	N5	4.24	ppbv	N5	9.0	ug m3
Benzene	**8f8**	4.24	ppbv	**. 8**	M3	ug m3
M,9-5 rchlo6oethane	N5	4.24	ppbv	N5	M1	ug m3
ErichlUrUethene	**0f85**	4.24	ppbv	**2f8**	9.M	ug m3
M,9-5 rchlo6op6opane	N5	4.24	ppbv	N5	M8	ug m3
B6omodrchlo6omethane	N5	4.24	ppbv	N5	9./	ug m3
cis-M,3-5 rchlo6op6opene	N5	4.24	ppbv	N5	M8	ug m3
8-Methyl-2-PentanUne	**0f7o**	4.24	ppbv	**6f.**	M1	ug m3
EUl1ene	**. 6**	4.24	ppbv	**50**	M0	ug m3
t6ans-M,3-5 rchlo6op6opene	N5	4.24	ppbv	N5	M8	ug m3
M,M9-H6chlo6oethane	N5	4.24	ppbv	N5	9.9	ug m3
EetrachlUrUethene	**0fo0**	4.24	ppbv	**8f.**	9./	ug m3
9-Oexanone	N5	M4	ppbv	N5	2.M	ug m3
5 rb6omochlo6omethane	N5	4.24	ppbv	N5	3.2	ug m3
M,9-5 rb6omoethane	N5	4.24	ppbv	N5	3.M	ug m3
Chlo6obenzene	N5	4.24	ppbv	N5	M8	ug m3
, thylbenzene	**0fo7**	4.24	ppbv	**2f9**	M/	ug m3
mlp-Xylenes	**2f.**	4.84	ppbv	**9f2**	3.0	ug m3
U-Xylene	**0f70**	4.24	ppbv	**6f0**	M/	ug m3
Sty6ene	N5	4.24	ppbv	N5	M/	ug m3
B6omofo6m	N5	4.24	ppbv	N5	2.M	ug m3
M,M9,9-Het6achlo6oethane	N5	4.24	ppbv	N5	9./	ug m3
M,M,M9-Het6achlo6oethane	N5	4.24	ppbv	N5	9./	ug m3

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical RepUrt

Lab #: 04709/ **PrUject#:** M/ 73.4434S444

Client: Roux:i ssocrates **LUcatiUn:** i B&I:Found6y

509527-007 Analyte	Res1lt u(V	RL u(V	) nits u(V	Res1lt uMV	RL uMV	) nits uMV
2-Tthyltoluene	N5	4.24	ppbv	N5	9.4	ug m3
M,3,0-H6methylbenzene	N5	4.24	ppbv	N5	9.4	ug m3
M,9,2-H6methylbenzene	N5	4.24	ppbv	N5	9.4	ug m3
M,3-5 rchlo6obenzene	N5	4.24	ppbv	N5	9.2	ug m3
M,2-5 rchlo6obenzene	N5	4.24	ppbv	N5	9.2	ug m3
Benzyl:chlo6ide	N5	4.24	ppbv	N5	9.M	ug m3
M,9-5 rchlo6obenzene	N5	4.24	ppbv	N5	9.2	ug m3
M,9,2-H6chlo6obenzene	N5	4.24	ppbv	N5	3.4	ug m3
Oexachlo6obutadrene	N5	4.24	ppbv	N5	2.3	ug m3
Naphthalene	N5	9.4	ppbv	N5	M4	ug m3
Xylene utUtalV	**2fT**	4.24	ppbv	**. 2**	M/	ug m3

509527-007 S1rrUgate	%R, C	Limits	) nits uMV
B6omofluo6obenzene	M4/	14-M24	ug m3

Legend

ND: Not:5 etected

RL u(V Repo6mg:Lmrt

Res1lt uMV Result:m:mass:unrts

Res1lt u(V Result:m:volume:unrts

ENTHALPY ANALYTICAL

, nthalpy Analytical 7Orange Analytical Report

Lab #: 10M147 **Project#:** 97M3N0030S000

8lient: Rul x i ssucrheos **Location:** i B&I Ful ad6y

Field ID: SVP-41-8 **Batch#:** 32498M **Prep:** ETHOD5

Lab ID: 10M147-008 **Sampled:** 01/39/42 9:A10 **Analysis:** TPi HD-91

Matrix: i r6 **Received:** 0:/02/42 **Analyst:** EBC

z50z92755- Analyte	Res1lt u(V	RL u(V)	nits u(V	Res1lt uMV	RL uMV)	nits uMV	Diln Fac	AnalyUed
9.9-5r,fl u6uoet hao	n5	4N9	ppbv	n5	1N7	l g/m3	4N900	0:/07/42 43A44
Freon .9	**5G30**	0N24	ppbv	**9G3**	4N9	l g/m3	4N900	0:/07/42 43A44
F6oua 992	n5	0N24	ppbv	n5	4NM	l g/m3	4N900	0:/07/42 43A44
8hloromethane	**5662**	0N24	ppbv	**.G**	0N87	l g/m3	4N900	0:/07/42 43A44
Vrayf Ct fu6do	n5	0N24	ppbv	n5	9N9	l g/m3	4N900	0:/07/42 43A44
B6umumoet hao	n5	0N24	ppbv	n5	9N	l g/m3	4N900	0:/07/42 43A44
8hloroethane	**60**	0N24	ppbv	**.-**	9N9	l g/m3	4N900	0:/07/42 43A44
H6rct fu6u,fl u6umoet hao	n5	0N24	ppbv	n5	4N2	l g/m3	4N900	0:/07/42 43A44
9.9-5rct fu6uoet oao	n5	0N24	ppbv	n5	9N7	l g/m3	4N900	0:/07/42 43A44
F6oua 993	n5	0N24	ppbv	n5	3N4	l g/m3	4N900	0:/07/42 43A44
Acetone	**9.**	4N9	ppbv	**z5**	1N0	l g/m3	4N900	0:/07/42 43A44
8arbon Dis1lfide	**9.**	0N24	ppbv	**6z**	9N3	l g/m3	4N900	0:/07/42 43A44
Isopropanol uPAV	**-G**	4N9	ppbv	**95**	1N4	l g/m3	4N900	0:/07/42 43A44
Methylene 8hloride	**5G0**	0N24	ppbv	**9G**	9N	l g/m3	4N900	0:/07/42 43A44
trans7.497Dichloroethene	**2G**	0N24	ppbv	**90**	9N7	l g/m3	4N900	0:/07/42 43A44
EHBT	n5	0N24	ppbv	n5	9N	l g/m3	4N900	0:/07/42 43A44
n7Hexane	**9.**	0N24	ppbv	**2T**	9N	l g/m3	4N900	0:/07/42 43A44
.47Dichloroethane	**9G**	0N24	ppbv	**0G**	9N7	l g/m3	4N900	0:/07/42 43A44
Vrayf i coehoo	n5	4N9	ppbv	n5	7N2	l g/m3	4N900	0:/07/42 43A44
cis7.497Dichloroethene	**9.**	0N24	ppbv	**-z**	9N7	l g/m3	4N900	0:/07/42 43A44
97B1tanone	**66**	4N9	ppbv	**.0**	:N4	l g/m3	4N900	0:/07/42 43A44
8hloroform	**.0**	0N24	ppbv	**0G**	4N9	l g/m3	4N900	0:/07/42 43A44
9.9.9-H6rct fu6uoet hao	n5	0N24	ppbv	n5	4N3	l g/m3	4N900	0:/07/42 43A44
Ch6oua Hoe6hct fu6do	n5	0N24	ppbv	n5	4N	l g/m3	4N900	0:/07/42 43A44
BenUene	**.G**	0N24	ppbv	**3G**	9N3	l g/m3	4N900	0:/07/42 43A44
9.4-5rct fu6uoet hao	n5	0N24	ppbv	n5	9N7	l g/m3	4N900	0:/07/42 43A44
Erichloroethene	**32**	0N24	ppbv	**9z5**	4N3	l g/m3	4N900	0:/07/42 43A44
9.4-5rct fu6up6uphao	n5	0N24	ppbv	n5	9NM	l g/m3	4N900	0:/07/42 43A44
B6umudrct fu6umoet hao	n5	0N24	ppbv	n5	4N8	l g/m3	4N900	0:/07/42 43A44
crs-9.3-5rct fu6up6upoao	n5	0N24	ppbv	n5	9NM	l g/m3	4N900	0:/07/42 43A44
37Methyl797Pentanone	**.0**	0N24	ppbv	**20**	9N7	l g/m3	4N900	0:/07/42 43A44
Eol1ene	**3G**	0N24	ppbv	**.2**	9N	l g/m3	4N900	0:/07/42 43A44
e6has-9.3-5rct fu6up6upoao	n5	0N24	ppbv	n5	9NM	l g/m3	4N900	0:/07/42 43A44
9.9.4-H6rct fu6uoet hao	n5	0N24	ppbv	n5	4N3	l g/m3	4N900	0:/07/42 43A44
Eetrachloroethene	**.65**	9N9	ppbv	**.455**	7N9	l g/m3	1N410	0:/08/42 90A99
4-Ooxhauao	n5	9N9	ppbv	n5	2N3	l g/m3	4N900	0:/07/42 43A44
5rb6umuct fu6umoet hao	n5	0N24	ppbv	n5	3N	l g/m3	4N900	0:/07/42 43A44
9.4-5rb6umuoet hao	n5	0N24	ppbv	n5	3N4	l g/m3	4N900	0:/07/42 43A44
Ct fu6uboazoao	n5	0N24	ppbv	n5	9NM	l g/m3	4N900	0:/07/42 43A44
, thylbenUene	**5G-**	0N24	ppbv	**9C**	9N8	l g/m3	4N900	0:/07/42 43A44
m4p7Xylenes	**.0**	0N82	ppbv	**-9**	3N	l g/m3	4N900	0:/07/42 43A44
o7Xylene	**52-**	0N24	ppbv	**TG**	9N8	l g/m3	4N900	0:/07/42 43A44
Sey6oao	n5	0N24	ppbv	n5	9N8	l g/m3	4N900	0:/07/42 43A44
B6umu,u6m	n5	0N24	ppbv	n5	2N3	l g/m3	4N900	0:/07/42 43A44
9.9.4.4-Hoe6hct fu6uoet hao	n5	0N24	ppbv	n5	4NM	l g/m3	4N900	0:/07/42 43A44
9.9.9.4-Hoe6hct fu6uoet hao	n5	0N24	ppbv	n5	4NM	l g/m3	4N900	0:/07/42 43A44
2-Tet yfeufl oao	n5	0N24	ppbv	n5	4N9	l g/m3	4N900	0:/07/42 43A44
9.3.1-H6rmoet yfboazoao	n5	0N24	ppbv	n5	4N9	l g/m3	4N900	0:/07/42 43A44

ENTHALPY ANALYTICAL

, nthalpy Analytical 7Orange Analytical Report

Lab #: 10M147 **Project#:** 97M3N0030S000

8lient: Rul x i ssucrheos **Location:** i B&I Ful ad6y

z50z9275 5- Analyte	Res1lt u(V	RL u(V)	nits u(V	Res1lt uMV	RL uMV)	nits uMV	Diln Fac	AnalyUed
9.4.2-H6moet yfboazoao	n 5	0N24	ppbv	n 5	4N9	l g/m3	4N900	0: /07/42 43A44
9.3-5 rct fu6uboazoao	n 5	0N24	ppbv	n 5	4N1	l g/m3	4N900	0: /07/42 43A44
9.2-5 rct fu6uboazoao	n 5	0N24	ppbv	n 5	4N1	l g/m3	4N900	0: /07/42 43A44
Boazyf ct fu6rdo	n 5	0N24	ppbv	n 5	4N4	l g/m3	4N900	0: /07/42 43A44
9.4-5 rct fu6uboazoao	n 5	0N24	ppbv	n 5	4N1	l g/m3	4N900	0: /07/42 43A44
9.4.2-H6rct fu6uboazoao	n 5	0N24	ppbv	n 5	3N9	l g/m3	4N900	0: /07/42 43A44
Ooxhct fu6ubl e-hdroao	n 5	0N24	ppbv	n 5	2N1	l g/m3	4N900	0: /07/42 43A44
n hpt et hfoao	n 5	4N9	ppbv	n 5	99	l g/m3	4N900	0: /07/42 43A44
Xylene utotalV	**9C2**	0N24	ppbv	**. 9**	9N8	l g/m3	4N900	0: /07/42 43A44

z50z9275 5- S1rrogate	%R, 8	Limits	) nits uMV	Diln Fac	AnalyUed
B6umu,fl u6uboazoao	900	: 0-920	l g/m3	4N900	0: /07/42 43A44

Logoad

ND: n ue5 oeocod

RL u(V Ropu6eag Lmre

Res1lt uMV Rosl fera mhss l ares

Res1lt u(V Rosl fera vufl mo l ares

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 37M31/ **Project#:** 8/ M4m7747S777
Client: Rul z:i ssucrheos **Location:** i B&I:Ful ad6y

Field ID: SVP-45-3 **Batch#:** 42189M **Prep:** ETHOD0
Lab ID: 37M31/ -77M **Sampled:** 73 48 12:83A29 **Analysis:** TPi :HD-83
Matrix: i r6 **Received:** 75 72 12 **Analyst:** EBC

509527-009 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	Diln Fac	Analyzed
8.8-0 r,fl u6uoet hao	n 0	477	NNpb	n 0	987	l v g 4	477m7	75 7/ 12:89A19
F6oua:81	n 0	57	NNpb	n 0	477	l v g 4	477m7	75 7/ 12:89A19
F6oua:882	n 0	57	NNpb	n 0	217	l v g 4	477m7	75 7/ 12:89A19
Ct fu6ug oet hao	n 0	57	NNpb	n 0	817	l v g 4	477m7	75 7/ 12:89A19
Vinyl Chloride	**96**	57	NNpb	**250**	837	l v g 4	477m7	75 7/ 12:89A19
B6ug ug oet hao	n 0	57	NNpb	n 0	147	l v g 4	477m7	75 7/ 12:89A19
Chloroethane	**39,000**	477	NNpb	**100,000**	/ M7	l v g 4	8.377	75 7/ 12:18A74
H6rct fu6u,fl u6ug oet hao	n 0	57	NNpb	n 0	427	l v g 4	477m7	75 7/ 12:89A19
8.8-0 rct fu6uoet oao	n 0	57	NNpb	n 0	127	l v g 4	477m7	75 7/ 12:89A19
F6oua:884	n 0	57	NNpb	n 0	257	l v g 4	477m7	75 7/ 12:89A19
i coeuao	n 0	477	NNpb	n 0	/ 87	l v g 4	477m7	75 7/ 12:89A19
Carbon Disulfide	**64**	57	NNpb	**200**	8M7	l v g 4	477m7	75 7/ 12:89A19
IsuN6uNhauf:(IPi)	n 0	477	NNpb	n 0	/ 27	l v g 4	477m7	75 7/ 12:89A19
E oet yfoao:Ct fu6do	n 0	57	NNpb	n 0	187	l v g 4	477m7	75 7/ 12:89A19
e6has-8.1-0 rct fu6uoet oao	n 0	57	NNpb	n 0	127	l v g 4	477m7	75 7/ 12:89A19
E HBT	n 0	57	NNpb	n 0	117	l v g 4	477m7	75 7/ 12:89A19
n-Hexane	**5,100**	57	NNpb	**18,000**	187	l v g 4	477m7	75 7/ 12:89A19
1,1-Dichloroethane	**3,000**	57	NNpb	**12,000**	127	l v g 4	477m7	75 7/ 12:89A19
Vrayf:i coehao	n 0	477	NNpb	n 0	8.877	l v g 4	477m7	75 7/ 12:89A19
crs-8.1-0 rct fu6uoet oao	n 0	57	NNpb	n 0	127	l v g 4	477m7	75 7/ 12:89A19
1-Bl ehauao	n 0	477	NNpb	n 0	997	l v g 4	477m7	75 7/ 12:89A19
Ct fu6u,u6g	n 0	57	NNpb	n 0	1M7	l v g 4	477m7	75 7/ 12:89A19
8.8.8-H6rct fu6uoet hao	n 0	57	NNpb	n 0	447	l v g 4	477m7	75 7/ 12:89A19
Ch6pua:Hoe6hct fu6do	n 0	57	NNpb	n 0	497	l v g 4	477m7	75 7/ 12:89A19
Boaxoao	n 0	57	NNpb	n 0	8M7	l v g 4	477m7	75 7/ 12:89A19
8.1-0 rct fu6uoet hao	n 0	57	NNpb	n 0	127	l v g 4	477m7	75 7/ 12:89A19
H6rct fu6uoet oao	n 0	57	NNpb	n 0	417	l v g 4	477m7	75 7/ 12:89A19
8.1-0 rct fu6uN6uNhao	n 0	57	NNpb	n 0	197	l v g 4	477m7	75 7/ 12:89A19
B6ug udrct fu6ug oet hao	n 0	57	NNpb	n 0	277	l v g 4	477m7	75 7/ 12:89A19
crs-8.4-0 rct fu6uN6uNoao	n 0	57	NNpb	n 0	1/ 7	l v g 4	477m7	75 7/ 12:89A19
2-E oet yf-1-Poaehauao	n 0	57	NNpb	n 0	137	l v g 4	477m7	75 7/ 12:89A19
Hufl oao	n 0	57	NNpb	n 0	147	l v g 4	477m7	75 7/ 12:89A19
e6has-8.4-0 rct fu6uN6uNoao	n 0	57	NNpb	n 0	1/ 7	l v g 4	477m7	75 7/ 12:89A19
8.8.1-H6rct fu6uoet hao	n 0	57	NNpb	n 0	447	l v g 4	477m7	75 7/ 12:89A19
Hoe6hct fu6uoet oao	n 0	57	NNpb	n 0	287	l v g 4	477m7	75 7/ 12:89A19
1-Oozhauao	n 0	837	NNpb	n 0	587	l v g 4	477m7	75 7/ 12:89A19
0 rp6ug uct fu6ug oet hao	n 0	57	NNpb	n 0	387	l v g 4	477m7	75 7/ 12:89A19
8.1-0 rp6ug uoet hao	n 0	57	NNpb	n 0	257	l v g 4	477m7	75 7/ 12:89A19
Ct fu6upoaxoao	n 0	57	NNpb	n 0	197	l v g 4	477m7	75 7/ 12:89A19
Tet yfpoaxoao	n 0	57	NNpb	n 0	157	l v g 4	477m7	75 7/ 12:89A19
g .N-Xyfoaos	n 0	817	NNpb	n 0	317	l v g 4	477m7	75 7/ 12:89A19
o-Xylene	**120**	57	NNpb	**520**	157	l v g 4	477m7	75 7/ 12:89A19
Seye6ao	n 0	57	NNpb	n 0	157	l v g 4	477m7	75 7/ 12:89A19
B6ug u,u6g	n 0	57	NNpb	n 0	517	l v g 4	477m7	75 7/ 12:89A19
8.8.1.1-Hoe6hct fu6uoet hao	n 0	57	NNpb	n 0	287	l v g 4	477m7	75 7/ 12:89A19
8.8.8.1-Hoe6hct fu6uoet hao	n 0	57	NNpb	n 0	287	l v g 4	477m7	75 7/ 12:89A19
2-Tet yfeufl oao	n 0	57	NNpb	n 0	1M7	l v g 4	477m7	75 7/ 12:89A19
1,3,5-Trimethylbenzene	**60**	57	NNpb	**300**	1M7	l v g 4	477m7	75 7/ 12:89A19

Enthalpy Analytical - Orange Analytical Report

Lab #: 37M31/ **Project#:** 8/ M4m7747S777

Client: Rul z:i ssucrheos **Location:** i B&I:Ful ad6y

509527-009 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)	Diln Fac	Analyzed
1,2,4-Trimethylbenzene	**76**	57	NNpb	**370**	1M7	l v g 4	477m7	75 7/ 12:89A19
8.4-0 rct fu6upoaxoao	n 0	57	NNpb	n 0	457	l v g 4	477m7	75 7/ 12:89A19
1,4-Dichlorobenzene	**220**	57	NNpb	**1,300**	457	l v g 4	477m7	75 7/ 12:89A19
Boaxyf:ct fu6rdo	n 0	57	NNpb	n 0	487	l v g 4	477m7	75 7/ 12:89A19
8.1-0 rct fu6upoaxoao	n 0	57	NNpb	n 0	457	l v g 4	477m7	75 7/ 12:89A19
8.1.2-H6rct fu6upoaxoao	n 0	57	NNpb	n 0	237	l v g 4	477m7	75 7/ 12:89A19
Oozhct fu6upl ehdroao	n 0	57	NNpb	n 0	527	l v g 4	477m7	75 7/ 12:89A19
n hNt et hfoao	n 0	477	NNpb	n 0	8.577	l v g 4	477m7	75 7/ 12:89A19
Xylene (total)	**120**	57	NNpb	**520**	157	l v g 4	477m7	75 7/ 12:89A19

509527-009 Surrogate	%REC	Limits	Units (M)	Diln Fac	Analyzed
B6ug u,fl u6upoaxoao	872	57-827	l v g 4	477m7	75 7/ 12:89A19

Lovoad

ND: n ue0 oeocod

RL (V): RoNu6eav:Lrg re

Result (M): Rosl fera:g hss:l ares

Result (V): Rosl fera:bufl g o:l ares

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-13-8 **Batch#:** 342291 **Prep:** METHOD

Lab ID: 509527-010 **Sampled:** 06/03/24 13:55 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** ZNZ

Diln Fac: 2.400 **Analyzed:** 06/08/24 21:36

509527-010 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	2.4	ppbv	ND	6.5	ug/m3
Freon 12	**0.53**	0.48	ppbv	**2.6**	2.4	ug/m3
Freon 114	ND	0.48	ppbv	ND	3.4	ug/m3
Chloromethane	**0.82**	0.48	ppbv	**1.7**	0.99	ug/m3
Vinyl Chloride	ND	0.48	ppbv	ND	1.2	ug/m3
Bromomethane	ND	0.48	ppbv	ND	1.9	ug/m3
Chloroethane	**1.5**	0.48	ppbv	**4.0**	1.3	ug/m3
Trichlorofluoromethane	ND	0.48	ppbv	ND	2.7	ug/m3
1,1-Dichloroethene	ND	0.48	ppbv	ND	1.9	ug/m3
Freon 113	ND	0.48	ppbv	ND	3.7	ug/m3
Acetone	**8.0**	2.4	ppbv	**19**	5.7	ug/m3
Carbon Disulfide	**72**	0.48	ppbv	**220**	1.5	ug/m3
Isopropanol (IPA)	**8.1**	2.4	ppbv	**20**	5.9	ug/m3
Methylene Chloride	**1.5**	0.48	ppbv	**5.2**	1.7	ug/m3
trans-1,2-Dichloroethene	ND	0.48	ppbv	ND	1.9	ug/m3
MTBE	**1.8**	0.48	ppbv	**6.5**	1.7	ug/m3
n-Hexane	**98**	0.48	ppbv	**350**	1.7	ug/m3
1,1-Dichloroethane	ND	0.48	ppbv	ND	1.9	ug/m3
Vinyl Acetate	ND	2.4	ppbv	ND	8.5	ug/m3
cis-1,2-Dichloroethene	ND	0.48	ppbv	ND	1.9	ug/m3
2-Butanone	**2.4**	2.4	ppbv	**7.2**	7.1	ug/m3
Chloroform	**6.9**	0.48	ppbv	**34**	2.3	ug/m3
1,1,1-Trichloroethane	ND	0.48	ppbv	ND	2.6	ug/m3
Carbon Tetrachloride	ND	0.48	ppbv	ND	3.0	ug/m3
Benzene	**2.3**	0.48	ppbv	**7.5**	1.5	ug/m3
1,2-Dichloroethane	ND	0.48	ppbv	ND	1.9	ug/m3
Trichloroethene	ND	0.48	ppbv	ND	2.6	ug/m3
1,2-Dichloropropane	ND	0.48	ppbv	ND	2.2	ug/m3
Bromodichloromethane	ND	0.48	ppbv	ND	3.2	ug/m3
cis-1,3-Dichloropropene	ND	0.48	ppbv	ND	2.2	ug/m3
4-Methyl-2-Pentanone	ND	0.48	ppbv	ND	2.0	ug/m3
Toluene	**4.5**	0.48	ppbv	**17**	1.8	ug/m3
trans-1,3-Dichloropropene	ND	0.48	ppbv	ND	2.2	ug/m3
1,1,2-Trichloroethane	ND	0.48	ppbv	ND	2.6	ug/m3
Tetrachloroethene	**0.52**	0.48	ppbv	**3.5**	3.3	ug/m3
2-Hexanone	ND	1.2	ppbv	ND	4.9	ug/m3
Dibromochloromethane	ND	0.48	ppbv	ND	4.1	ug/m3
1,2-Dibromoethane	ND	0.48	ppbv	ND	3.7	ug/m3
Chlorobenzene	ND	0.48	ppbv	ND	2.2	ug/m3
Ethylbenzene	ND	0.48	ppbv	ND	2.1	ug/m3
m,p-Xylenes	ND	0.96	ppbv	ND	4.2	ug/m3
o-Xylene	ND	0.48	ppbv	ND	2.1	ug/m3
Styrene	ND	0.48	ppbv	ND	2.0	ug/m3
Bromoform	ND	0.48	ppbv	ND	5.0	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.48	ppbv	ND	3.3	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.48	ppbv	ND	3.3	ug/m3

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

509527-010 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	0.48	ppbv	ND	2.4	ug/m3
1,3,5-Trimethylbenzene	ND	0.48	ppbv	ND	2.4	ug/m3
1,2,4-Trimethylbenzene	ND	0.48	ppbv	ND	2.4	ug/m3
1,3-Dichlorobenzene	ND	0.48	ppbv	ND	2.9	ug/m3
1,4-Dichlorobenzene	ND	0.48	ppbv	ND	2.9	ug/m3
Benzyl chloride	ND	0.48	ppbv	ND	2.5	ug/m3
1,2-Dichlorobenzene	ND	0.48	ppbv	ND	2.9	ug/m3
1,2,4-Trichlorobenzene	ND	0.48	ppbv	ND	3.6	ug/m3
Hexachlorobutadiene	ND	0.48	ppbv	ND	5.1	ug/m3
Naphthalene	ND	2.4	ppbv	ND	13	ug/m3
Xylene (total)	ND	0.48	ppbv	ND	2.1	ug/m3

509527-010 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	106	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

Enthalpy Analytical - Orange Analytical Report

Lab #: 03M097 **Project#:** 17M4.3343S333
Client: (ou& Axxociatex **Location:** AB) sFoundrC

Field ID: SVP-13-8 **Batch#:** 4299M1 **Prep:** E THOD5
Lab ID: 03M097-311 **Sampled:** 36/34/92 11:04 **Analysis:** TPA HD-10
Matrix: Air **Received:** 36/32/92 **Analyst:** ZNZ
Diln Fac: 943.3 **Analyzed:** 36/38/92 18:24

509527-011 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-5 ifluoroethane	N5	943	ppbv	N5	693	ug/m4
Freon 19	N5	26	ppbv	N5	943	ug/m4
Freon 112	N5	26	ppbv	N5	493	ug/m4
y hloromethane	N5	26	ppbv	N5	M0	ug/m4
VinCl y hloride	N5	26	ppbv	N5	193	ug/m4
Bromomethane	N5	26	ppbv	N5	183	ug/m4
y hloroethane	N5	26	ppbv	N5	193	ug/m4
Hrichlorofluoromethane	N5	26	ppbv	N5	963	ug/m4
1,1-5 ichloroethene	N5	26	ppbv	N5	183	ug/m4
Freon 114	N5	26	ppbv	N5	403	ug/m4
Acetone	N5	943	ppbv	N5	003	ug/m4
Carbon Disulfide	**46**	26	ppbv	**140**	123	ug/m4
sxopropanol zsPAX	N5	943	ppbv	N5	073	ug/m4
E ethCene y hloride	N5	26	ppbv	N5	163	ug/m4
tranx-1,9-5 ichloroethene	N5	26	ppbv	N5	183	ug/m4
E HBT	N5	26	ppbv	N5	173	ug/m4
n-Hexane	**7,300**	26	ppbv	**26,000**	163	ug/m4
1,1-5 ichloroethane	N5	26	ppbv	N5	1M3	ug/m4
VinCl Acetate	N5	943	ppbv	N5	813	ug/m4
cix-1,9-5 ichloroethene	N5	26	ppbv	N5	183	ug/m4
9-Butanone	N5	943	ppbv	N5	683	ug/m4
y hloroform	N5	26	ppbv	N5	993	ug/m4
1,1,1-Hrichloroethane	N5	26	ppbv	N5	903	ug/m4
y arbon Hetrachloride	N5	26	ppbv	N5	9M3	ug/m4
BenPene	N5	26	ppbv	N5	103	ug/m4
1,9-5 ichloroethane	N5	26	ppbv	N5	1M3	ug/m4
Hrichloroethene	N5	26	ppbv	N5	903	ug/m4
1,9-5 ichloropropane	N5	26	ppbv	N5	913	ug/m4
Bromodichloromethane	N5	26	ppbv	N5	413	ug/m4
cix-1,4-5 ichloropropene	N5	26	ppbv	N5	913	ug/m4
2-E ethC-9-Pentanone	N5	26	ppbv	N5	1M3	ug/m4
Holuene	N5	26	ppbv	N5	173	ug/m4
tranx-1,4-5 ichloropropene	N5	26	ppbv	N5	913	ug/m4
1,1,9-Hrichloroethane	N5	26	ppbv	N5	903	ug/m4
Hetrachloroethene	N5	26	ppbv	N5	413	ug/m4
9-Oe&anone	N5	193	ppbv	N5	273	ug/m4
5 ibromochloromethane	N5	26	ppbv	N5	4M3	ug/m4
1,9-5 ibromoethane	N5	26	ppbv	N5	403	ug/m4
y hlorobenPene	N5	26	ppbv	N5	913	ug/m4
TthClbenPene	N5	26	ppbv	N5	933	ug/m4
m,p-I Clenex	N5	M9	ppbv	N5	233	ug/m4
o-I Clene	N5	26	ppbv	N5	933	ug/m4
StCrene	N5	26	ppbv	N5	933	ug/m4
Bromoform	N5	26	ppbv	N5	283	ug/m4
1,1,9,9-Hetrachloroethane	N5	26	ppbv	N5	493	ug/m4
1,1,1,9-Hetrachloroethane	N5	26	ppbv	N5	493	ug/m4

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 03M097 **Project#:** 17M4.3343S333

Client: (ou& Axxociatex **Location:** AB) sFoundrC

509527-011 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
2-TthCtoluene	N5	26	ppbv	N5	943	ug/m4
1,4,0-HrimethCbenPene	N5	26	ppbv	N5	943	ug/m4
1,9,2-HrimethCbenPene	N5	26	ppbv	N5	943	ug/m4
1,4-5 ichlorobenPene	N5	26	ppbv	N5	983	ug/m4
1,2-5 ichlorobenPene	N5	26	ppbv	N5	983	ug/m4
BenRC chloride	N5	26	ppbv	N5	923	ug/m4
1,9-5 ichlorobenPene	N5	26	ppbv	N5	983	ug/m4
1,9,2-HrichlorobenPene	N5	26	ppbv	N5	423	ug/m4
Oe&achlorobutadiene	N5	26	ppbv	N5	2M3	ug/m4
Naphthalene	N5	943	ppbv	N5	1,933	ug/m4
I Cene ztotalX	N5	26	ppbv	N5	933	ug/m4

509527-011 Surrogate	%REC	Limits	Units (M)
BromofluorobenPene	8M	63-123	ug/m4

Legend

ND: Not 5etected

RL (V): (eporting Limit

Result (M): (exult in maxx unitx

Result (V): (exult in volume unitx

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 35M887 **Project#:** 47M2.5525S555

Client: Rouz:i ((osrate(**Location:** i B&):Founl 6c

Field ID: SVP-45-3 **Batch#:** 21849M **Prep:** E THOD0

Lab ID: 35M887-548 **Sampled:** 5/ 52 81:45A84 **Analysis:** TPi :HD-43

Matrix: i r6 **Received:** 5/ 51 81 **Analyst:** E BC

Diln Fac: 1.835 **Analyzed:** 5/ 59 81:53A53

509527-012 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4,4-0 rfluo6oethane	N0	1.2	ppbv	N0	44	ug m2
F6eon:48	N0	5.93	ppbv	N0	1.8	ug m2
F6eon:441	N0	5.93	ppbv	N0	3.M	ug m2
Chlo6omethane	N0	5.93	ppbv	N0	4.9	ug m2
Vmcl:Chlo6l e	N0	5.93	ppbv	N0	8.8	ug m2
B6omomethane	N0	5.93	ppbv	N0	2.2	ug m2
Chlo6oethane	N0	5.93	ppbv	N0	8.8	ug m2
H6shlo6ofluo6omethane	N0	5.93	ppbv	N0	1.9	ug m2
4,4-0 rshlo6oethene	N0	5.93	ppbv	N0	2.1	ug m2
F6eon:442	N0	5.93	ppbv	N0	/ .3	ug m2
i setone	N0	1.2	ppbv	N0	45	ug m2
Ca6bon:0 r(ulfrl e	N0	5.93	ppbv	N0	8./	ug m2
)(op6opanol:y)Pi d	N0	1.2	ppbv	N0	45	ug m2
E ethclene:Chlo6l e	N0	5.93	ppbv	N0	2.5	ug m2
t6an(-4,8-0 rshlo6oethene	N0	5.93	ppbv	N0	2.1	ug m2
E HBT	N0	5.93	ppbv	N0	2.4	ug m2
n-Hexane	**0.91**	5.93	ppbv	**3.2**	2.5	ug m2
4,4-0 rshlo6oethane	N0	5.93	ppbv	N0	2.1	ug m2
Vmcl:i setate	N0	1.2	ppbv	N0	43	ug m2
sr(-4,8-0 rshlo6oethene	N0	5.93	ppbv	N0	2.1	ug m2
8-Butanone	N0	1.2	ppbv	N0	42	ug m2
Chlo6ofo6m	N0	5.93	ppbv	N0	1.8	ug m2
1,1,1-Trichloroethane	**3.5**	5.93	ppbv	**19**	1./	ug m2
Ca6bon:Het6ashlo6l e	N0	5.93	ppbv	N0	3.2	ug m2
Benxene	N0	5.93	ppbv	N0	8.7	ug m2
4,8-0 rshlo6oethane	N0	5.93	ppbv	N0	2.1	ug m2
H6shlo6oethene	N0	5.93	ppbv	N0	1./	ug m2
4,8-0 rshlo6op6opane	N0	5.93	ppbv	N0	2.M	ug m2
B6omol rshlo6omethane	N0	5.93	ppbv	N0	3.7	ug m2
sr(-4,2-0 rshlo6op6opene	N0	5.93	ppbv	N0	2.M	ug m2
1-E ethcl-8-Pentanone	N0	5.93	ppbv	N0	2.3	ug m2
Holuene	N0	5.93	ppbv	N0	2.8	ug m2
t6an(-4,2-0 rshlo6op6opene	N0	5.93	ppbv	N0	2.M	ug m2
4,4,8-H6shlo6oethane	N0	5.93	ppbv	N0	1./	ug m2
Tetrachloroethene	**120**	5.93	ppbv	**840**	3.9	ug m2
8-Oezanone	N0	8.4	ppbv	N0	9.7	ug m2
0 rb6omoshlo6omethane	N0	5.93	ppbv	N0	7.8	ug m2
4,8-0 rb6omoethane	N0	5.93	ppbv	N0	/ .3	ug m2
Chlo6obenxene	N0	5.93	ppbv	N0	2.M	ug m2
Tthclbenxene	N0	5.93	ppbv	N0	2.7	ug m2
m,p-Xclene(	N0	4.7	ppbv	N0	7.1	ug m2
o-Xclene	N0	5.93	ppbv	N0	2.7	ug m2
Stc6ene	N0	5.93	ppbv	N0	2./	ug m2
B6omofo6m	N0	5.93	ppbv	N0	9.9	ug m2
4,4,8,8-Het6ashlo6oethane	N0	5.93	ppbv	N0	3.9	ug m2
4,4,4,8-Het6ashlo6oethane	N0	5.93	ppbv	N0	3.9	ug m2

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 35M387 **Project#:** 47M2.5525S555

Client: Rouz:i ((osrate(**Location:** i B&):Founl 6c

509527-012 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1-Tthcltoluene	N0	5.93	ppbv	N0	1.8	ug m2
4,2,3-H6methclbenxene	N0	5.93	ppbv	N0	1.8	ug m2
4,8,1-H6methclbenxene	N0	5.93	ppbv	N0	1.8	ug m2
4,2-0 rshlo6obenxene	N0	5.93	ppbv	N0	3.4	ug m2
4,1-0 rshlo6obenxene	N0	5.93	ppbv	N0	3.4	ug m2
Benxcl:shlo6l e	N0	5.93	ppbv	N0	1.1	ug m2
4,8-0 rshlo6obenxene	N0	5.93	ppbv	N0	3.4	ug m2
4,8,1-H6shlo6obenxene	N0	5.93	ppbv	N0	/ .2	ug m2
Oezashlo6butal rene	N0	5.93	ppbv	N0	M4	ug m2
Naphthalene	N0	1.2	ppbv	N0	88	ug m2
Xclene:ytotald	N0	5.93	ppbv	N0	2.7	ug m2

509527-012 Surrogate	%REC	Limits	Units (M)
B6omofluo6obenxene	458	/ 5-415	ug m2

Legenl

ND: Not:0 etestel

RL (V): Repo6mg:Lmrt

Result (M): Re(ult:m:ma((:unrt(

Result (V): Re(ult:m:volume:unrt(

Onthalpy Analytical - g ranj e Analytical RepErt

Lab #: 509527 **PrEG ct#:** 1793.0030S000

6 lient: Roux Associates **LEcatiEn:** AB&I Foundry

Field ID: SVP-DUP-01 **Batch#:** 342189 **Prep:** METHOD

Lab ID: 509527-013 **Sampled:** 06/03/24 10:21 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** MBC

Diln Fac: 4.250 **Analyzed:** 06/08/24 05:48

509527-04u Analyte	Res(lt V) U	RL V) U	Hnits V) U	Res(lt VMU	RL VMU	Hnits VMU
1,1-Difluoroethane	ND	4.3	ppbv	ND	11	ug/m3
Freon 12	ND	0.85	ppbv	ND	4.2	ug/m3
Freon 114	ND	0.85	ppbv	ND	5.9	ug/m3
Chloromethane	ND	0.85	ppbv	ND	1.8	ug/m3
Vinyl Chloride	ND	0.85	ppbv	ND	2.2	ug/m3
Bromomethane	ND	0.85	ppbv	ND	3.3	ug/m3
Chloroethane	ND	0.85	ppbv	ND	2.2	ug/m3
Trichlorofluoromethane	ND	0.85	ppbv	ND	4.8	ug/m3
1,1-Dichloroethene	ND	0.85	ppbv	ND	3.4	ug/m3
Freon 113	ND	0.85	ppbv	ND	6.5	ug/m3
Acetone	ND	4.3	ppbv	ND	10	ug/m3
Carbon Disulfide	ND	0.85	ppbv	ND	2.6	ug/m3
Isopropanol (IPA)	ND	4.3	ppbv	ND	10	ug/m3
Methylene Chloride	ND	0.85	ppbv	ND	3.0	ug/m3
trans-1,2-Dichloroethene	ND	0.85	ppbv	ND	3.4	ug/m3
MTBE	ND	0.85	ppbv	ND	3.1	ug/m3
n-1 exane	**9,o**	0.85	ppbv	**u.**	3.0	ug/m3
1,1-Dichloroethane	ND	0.85	ppbv	ND	3.4	ug/m3
Vinyl Acetate	ND	4.3	ppbv	ND	15	ug/m3
cis-1,2-Dichloroethene	ND	0.85	ppbv	ND	3.4	ug/m3
2-Butanone	ND	4.3	ppbv	ND	13	ug/m3
Chloroform	ND	0.85	ppbv	ND	4.2	ug/m3
4313-TrichlErEethane	**u,5**	0.85	ppbv	**49**	4.6	ug/m3
Carbon Tetrachloride	ND	0.85	ppbv	ND	5.3	ug/m3
Benzene	**u,2**	0.85	ppbv	**40**	2.7	ug/m3
1,2-Dichloroethane	ND	0.85	ppbv	ND	3.4	ug/m3
Trichloroethene	ND	0.85	ppbv	ND	4.6	ug/m3
1,2-Dichloropropane	ND	0.85	ppbv	ND	3.9	ug/m3
Bromodichloromethane	ND	0.85	ppbv	ND	5.7	ug/m3
cis-1,3-Dichloropropene	ND	0.85	ppbv	ND	3.9	ug/m3
4-Methyl-2-Pentanone	ND	0.85	ppbv	ND	3.5	ug/m3
Toluene	ND	0.85	ppbv	ND	3.2	ug/m3
trans-1,3-Dichloropropene	ND	0.85	ppbv	ND	3.9	ug/m3
1,1,2-Trichloroethane	ND	0.85	ppbv	ND	4.6	ug/m3
TetrachlErEethene	**4u0**	0.85	ppbv	**8o0**	5.8	ug/m3
2-Hexanone	ND	2.1	ppbv	ND	8.7	ug/m3
Dibromochloromethane	ND	0.85	ppbv	ND	7.2	ug/m3
1,2-Dibromoethane	ND	0.85	ppbv	ND	6.5	ug/m3
Chlorobenzene	ND	0.85	ppbv	ND	3.9	ug/m3
Othylbenzene	**40**	0.85	ppbv	**. 5**	3.7	ug/m3
m,p-Xylenes	ND	1.7	ppbv	ND	7.4	ug/m3
o-Xylene	ND	0.85	ppbv	ND	3.7	ug/m3
Styrene	ND	0.85	ppbv	ND	3.6	ug/m3
Bromoform	ND	0.85	ppbv	ND	8.8	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.85	ppbv	ND	5.8	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.85	ppbv	ND	5.8	ug/m3

ENTHALPY ANALYTICAL

Onthalpy Analytical - granje Analytical RepErt

Lab #: 509527 **PrEGect#:** 1793.0030S000

6lient: Roux Associates **LEcatiEn:** AB&I Foundry

509527-04u Analyte	Res(lt Vj U	RL Vj U	Hnits Vj U	Res(lt VMU	RL VMU	Hnits VMU
4-Ethyltoluene	ND	0.85	ppbv	ND	4.2	ug/m3
1,3,5-Trimethylbenzene	ND	0.85	ppbv	ND	4.2	ug/m3
1,2,4-Trimethylbenzene	ND	0.85	ppbv	ND	4.2	ug/m3
1,3-Dichlorobenzene	ND	0.85	ppbv	ND	5.1	ug/m3
1,4-Dichlorobenzene	ND	0.85	ppbv	ND	5.1	ug/m3
Benzyl chloride	ND	0.85	ppbv	ND	4.4	ug/m3
1,2-Dichlorobenzene	ND	0.85	ppbv	ND	5.1	ug/m3
1,2,4-Trichlorobenzene	ND	0.85	ppbv	ND	6.3	ug/m3
Hexachlorobutadiene	ND	0.85	ppbv	ND	9.1	ug/m3
Naphthalene	ND	4.3	ppbv	ND	22	ug/m3
Xylene (total)	ND	0.85	ppbv	ND	3.7	ug/m3

509527-04u S(rrEj ate	%RO6	Limits	Hnits VMU
Bromofluorobenzene	100	60-140	ug/m3

Legend

ND: Not Detected

RL Vj U Reporting Limit

Res(lt VMU Result in mass units

Res(lt Vj U Result in volume units

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Rep8rt

Lab #: 309317 **Pr8ject#:** 4795.0050S000

o lient: Roux:i)) osrate) **L8cati8n:** i B&(:Founl 6c

Field ID:	SVP-45-3	**Batch#:**	521489	**Prep:**	METHOD
Lab ID:	309317-042	**Sampled:**	0/ 05 12:44A48	**Analysis:**	EPi :TO-43
Matrix:	i r6	**Received:**	0/ 02 12	**Analyst:**	MBC
Diln Fac:	43.73	**Analyzed:**	0/ 07 12:49A23		

509527-03u Analyte	Res(lt V) U	RL V) U	Cnits V) U	Res(lt VMU	RL VMU	Cnits VMU
4,4-Drfluo6oethane	ND	4/	ppbv	ND	25	ug m5
F6eon:41	ND	5.1	ppbv	ND	4/	ug m5
F6eon:442	ND	5.1	ppbv	ND	11	ug m5
Chlo6omethane	ND	5.1	ppbv	ND	/ .3	ug m5
Vmcl:Chlo6l e	ND	5.1	ppbv	ND	8.4	ug m5
B6omomethane	ND	5.1	ppbv	ND	41	ug m5
o hl8r8ethane	**1.9**	5.1	ppbv	**30**	8.5	ug m5
T6rshlo6fluo6omethane	ND	5.1	ppbv	ND	48	ug m5
4,4-Drshlo6oethene	ND	5.1	ppbv	ND	41	ug m5
F6eon:445	ND	5.1	ppbv	ND	12	ug m5
i setone	ND	4/	ppbv	ND	57	ug m5
o arb8n Dis(l4de	**u.2**	5.1	ppbv	**31**	9.8	ug m5
() op6opanol:y(Pi d	ND	4/	ppbv	ND	59	ug m5
Methclene:Chlo6l e	ND	5.1	ppbv	ND	44	ug m5
t6an) -4,1-Drshlo6oethene	ND	5.1	ppbv	ND	41	ug m5
MTBE	ND	5.1	ppbv	ND	44	ug m5
n-f exane	**T00**	5.1	ppbv	**2B00**	44	ug m5
4,4-Drshlo6oethane	ND	5.1	ppbv	ND	45	ug m5
Vmcl:i setate	ND	4/	ppbv	ND	33	ug m5
sr) -4,1-Drshlo6oethene	ND	5.1	ppbv	ND	41	ug m5
1-Butanone	ND	4/	ppbv	ND	2/	ug m5
o hl8r84Brm	**1.9**	5.1	ppbv	**39**	43	ug m5
4,4,4-T6rshlo6oethane	ND	5.1	ppbv	ND	47	ug m5
Ca6bon:Tet6ashlo6l e	ND	5.1	ppbv	ND	10	ug m5
Benzene	**23**	5.1	ppbv	**T6**	40	ug m5
4,1-Drshlo6oethane	ND	5.1	ppbv	ND	45	ug m5
T6rshlo6oethene	ND	5.1	ppbv	ND	47	ug m5
4,1-Drshlo6op6opane	ND	5.1	ppbv	ND	43	ug m5
B6omol rshlo6omethane	ND	5.1	ppbv	ND	14	ug m5
sr) -4,5-Drshlo6op6opene	ND	5.1	ppbv	ND	42	ug m5
2-Methcl-1-Pentanone	ND	5.1	ppbv	ND	45	ug m5
H8l(ene	**31**	5.1	ppbv	**u9**	41	ug m5
t6an) -4,5-Drshlo6op6opene	ND	5.1	ppbv	ND	42	ug m5
4,4,1-T6rshlo6oethane	ND	5.1	ppbv	ND	47	ug m5
Tet6ashlo6oethene	ND	5.1	ppbv	ND	14	ug m5
1-Hexanone	ND	7.9	ppbv	ND	51	ug m5
Drb6omoshlo6omethane	ND	5.1	ppbv	ND	17	ug m5
4,1-Drb6omoethane	ND	5.1	ppbv	ND	12	ug m5
Chlo6obenzene	ND	5.1	ppbv	ND	43	ug m5
Ethclbenzene	ND	5.1	ppbv	ND	42	ug m5
m,p-Xclene)	ND	/ .5	ppbv	ND	17	ug m5
o-Xclene	ND	5.1	ppbv	ND	42	ug m5
Stc6ene	ND	5.1	ppbv	ND	45	ug m5
B6omofo6m	ND	5.1	ppbv	ND	55	ug m5
4,4,1,1-Tet6ashlo6oethane	ND	5.1	ppbv	ND	11	ug m5
4,4,4,1-Tet6ashlo6oethane	ND	5.1	ppbv	ND	11	ug m5

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Rep8rt

Lab #: 309317 **Pr8ject#:** 4795.0050S000

o lient: Roux:i)) osrate) **L8cati8n:** i B&(:Founl 6c

509527-03u Analyte	Res(lt V) U	RL V) U	Cnits V) U	Res(lt \MU	RL \MU	Cnits \MU
2-Ethcltoluene	ND	5.1	ppbv	ND	43	ug m5
4,5,3-T6methclbenzene	ND	5.1	ppbv	ND	43	ug m5
4,1,2-T6methclbenzene	ND	5.1	ppbv	ND	43	ug m5
4,5-Drshlo6obenzene	ND	5.1	ppbv	ND	49	ug m5
4,2-Drshlo6obenzene	ND	5.1	ppbv	ND	49	ug m5
Benzcl:shlo6l e	ND	5.1	ppbv	ND	4/	ug m5
4,1-Drshlo6obenzene	ND	5.1	ppbv	ND	49	ug m5
4,1,2-T6shlo6obenzene	ND	5.1	ppbv	ND	15	ug m5
Hexashlo6obutal rene	ND	5.1	ppbv	ND	52	ug m5
Naphthalene	ND	4/	ppbv	ND	85	ug m5
Xclene:ytotald	ND	5.1	ppbv	ND	42	ug m5

509527-03u S(rr8gate	%R, o	Limits	Cnits \MU
B6omofluo6obenzene	40/	/ 0-420	ug m5

Legenl

ND: Not:Detestel

RL V) U Repo8mg:Lrmrt

Res(lt \MU Re) ult:m:ma)) :unrt)

Res(lt V) U Re) ult:m:volume:unrt)

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 509517 **Project#:** 2793.0030S000

Client: Roux Al l ociatel **Location:** AB&s Foundry

Field ID: SVP-DUP-01 **Batch#:** 341289 **Prep:** METHOD

Lab ID: 509517-025 **Sampled:** 06/03/14 22:28 **Analysis:** EPA TO-25

Matrix: Air **Received:** 06/04/14 **Analyst:** MBC

Diln Fac: 25.75 **Analyzed:** 06/07/14 10:16

509527-035 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
2,2-Difluoroethane	ND	26	ppbv	ND	43	ug/m3
Freon 21	ND	3.1	ppbv	ND	26	ug/m3
Freon 224	ND	3.1	ppbv	ND	11	ug/m3
Chloromethane	ND	3.1	ppbv	ND	6.5	ug/m3
Vinyl Chloride	ND	3.1	ppbv	ND	8.2	ug/m3
Bromomethane	ND	3.1	ppbv	ND	21	ug/m3
Chloroethane	ND	3.1	ppbv	ND	8.3	ug/m3
Trichlorofluoromethane	ND	3.1	ppbv	ND	28	ug/m3
2,2-Dichloroethene	ND	3.1	ppbv	ND	21	ug/m3
Freon 223	ND	3.1	ppbv	ND	14	ug/m3
Acetone	ND	26	ppbv	ND	37	ug/m3
Carbon Disul8de	**1.3**	3.1	ppbv	**34**	9.8	ug/m3
s opropanol (sPA)	ND	26	ppbv	ND	39	ug/m3
Methylene Chloride	ND	3.1	ppbv	ND	22	ug/m3
tranI -2,1-Dichloroethene	ND	3.1	ppbv	ND	21	ug/m3
MTBE	ND	3.1	ppbv	ND	22	ug/m3
n-f exane	**T00**	3.1	ppbv	**2B00**	22	ug/m3
2,2-Dichloroethane	ND	3.1	ppbv	ND	23	ug/m3
Vinyl Acetate	ND	26	ppbv	ND	55	ug/m3
cil -2,1-Dichloroethene	ND	3.1	ppbv	ND	21	ug/m3
1-Butanone	ND	26	ppbv	ND	46	ug/m3
Chloro8rm	**4.6**	3.1	ppbv	**39**	25	ug/m3
2,2,2-Trichloroethane	ND	3.1	ppbv	ND	27	ug/m3
Carbon Tetrachloride	ND	3.1	ppbv	ND	10	ug/m3
Benzene	**23**	3.1	ppbv	**TT**	20	ug/m3
2,1-Dichloroethane	ND	3.1	ppbv	ND	23	ug/m3
Trichloroethene	ND	3.1	ppbv	ND	27	ug/m3
2,1-Dichloropropane	ND	3.1	ppbv	ND	25	ug/m3
Bromodichloromethane	ND	3.1	ppbv	ND	12	ug/m3
cil -2,3-Dichloropropene	ND	3.1	ppbv	ND	24	ug/m3
4-Methyl-1-Pentanone	ND	3.1	ppbv	ND	23	ug/m3
Holuene	**32**	3.1	ppbv	**17**	21	ug/m3
tranI -2,3-Dichloropropene	ND	3.1	ppbv	ND	24	ug/m3
2,2,1-Trichloroethane	ND	3.1	ppbv	ND	27	ug/m3
Tetrachloroethene	ND	3.1	ppbv	ND	12	ug/m3
1-Hexanone	ND	7.9	ppbv	ND	31	ug/m3
Dibromochloromethane	ND	3.1	ppbv	ND	17	ug/m3
2,1-Dibromoethane	ND	3.1	ppbv	ND	14	ug/m3
Chlorobenzene	ND	3.1	ppbv	ND	25	ug/m3
Ethylbenzene	ND	3.1	ppbv	ND	24	ug/m3
m,p-XyleneI	ND	6.3	ppbv	ND	17	ug/m3
o-Xylene	ND	3.1	ppbv	ND	24	ug/m3
Styrene	ND	3.1	ppbv	ND	23	ug/m3
Bromoform	ND	3.1	ppbv	ND	33	ug/m3
2,2,1,1-Tetrachloroethane	ND	3.1	ppbv	ND	11	ug/m3
2,2,2,1-Tetrachloroethane	ND	3.1	ppbv	ND	11	ug/m3

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 509517 **Project#:** 2793.0030S000

Client: Roux Al l ociatel **Location:** AB&s Foundry

509527-035 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	3.1	ppbv	ND	25	ug/m3
2,3,5-Trimethylbenzene	ND	3.1	ppbv	ND	25	ug/m3
2,1,4-Trimethylbenzene	ND	3.1	ppbv	ND	25	ug/m3
2,3-Dichlorobenzene	ND	3.1	ppbv	ND	29	ug/m3
2,4-Dichlorobenzene	ND	3.1	ppbv	ND	29	ug/m3
Benzyl chloride	ND	3.1	ppbv	ND	26	ug/m3
2,1-Dichlorobenzene	ND	3.1	ppbv	ND	29	ug/m3
2,1,4-Trichlorobenzene	ND	3.1	ppbv	ND	13	ug/m3
Hexachlorobutadiene	ND	3.1	ppbv	ND	34	ug/m3
Naphthalene	ND	26	ppbv	ND	83	ug/m3
Xylene (total)	ND	3.1	ppbv	ND	24	ug/m3

509527-035 Surrogate	%R, C	Limits	Units (M)
Bromofluorobenzene	208	60-240	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Rel ult in mal l unitl

Result (V): Rel ult in volume unitl

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Rep8rt

Lab #: CD5C80 **Pr8ject#:** 7054NDD4DSDDD

olient: (ul R': ccudAneoc **L8cati8n:** : C) B2Ful aXiz

Field ID: SVP-13-8 **Batch#:** 483884 **Prep:** 2 9METH

Lab ID: CD5C80-D71 **Sampled:** D16D4638/74 7O **Analysis:** 9P: /MT-7O

Matrix: : A **Received:** D16D8638 **Analyst:** r Zr

Diln Fac: 4DNDD **Analyzed:** D1677638/78 CD

509527-03u Analyte	Res(lt V) U	RL V) U	Cnits V) U	Res(lt VMU	RL VMU	Cnits VMU
7.7-HAfl uiuoet hao	ZH	4D	nnpb	ZH	v7	l g6m4
Fioua/73	ZH	1ND	nnpb	ZH	4D	l g6m4
Fioua/778	ZH	1ND	nnpb	ZH	83	l g6m4
y t fuiumoet hao	ZH	1ND	nnpb	ZH	73	l g6m4
) inyl ohl8ride	**25**	1ND	nnpb	**u1**	7O	l g6m4
Ciumumoet hao	ZH	1ND	nnpb	ZH	34	l g6m4
y t fuiuoet hao	ZH	1ND	nnpb	ZH	71	l g6m4
MAlt fuiu,fl uiumoet hao	ZH	1ND	nnpb	ZH	48	l g6m4
7.7-HAlt fuiuoet oao	ZH	1ND	nnpb	ZH	38	l g6m4
Fioua/774	ZH	1ND	nnpb	ZH	81	l g6m4
Acet8ne	**. .**	4D	nnpb	**77**	07	l g6m4
oarb8n Dis(l4de	**7f9**	1ND	nnpb	**21**	75	l g6m4
Bouniunhauf/sBP: x	ZH	4D	nnpb	ZH	08	l g6m4
2 oet zfoao/y t fuiAko	ZH	1ND	nnpb	ZH	37	l g6m4
ehac-7.3-HAlt fuiuoet oao	ZH	1ND	nnpb	ZH	38	l g6m4
2 MC9	ZH	1ND	nnpb	ZH	33	l g6m4
n-Texane	**970**	1ND	nnpb	**. E00**	37	l g6m4
7.7-HAlt fuiuoet hao	ZH	1ND	nnpb	ZH	38	l g6m4
VAazf/: doehoo	ZH	4D	nnpb	ZH	77D	l g6m4
cis-3B2-Dichl8r8ethene	**35**	1ND	nnpb	**u0**	38	l g6m4
3-Cl ehauao	ZH	4D	nnpb	ZH	vv	l g6m4
y t fuiu,uim	ZH	1ND	nnpb	ZH	35	l g6m4
7.7.7-MAlt fuiuoet hao	ZH	1ND	nnpb	ZH	44	l g6m4
y hipua/Mbehdt fuiAko	ZH	1ND	nnpb	ZH	4v	l g6m4
Benzene	**22**	1ND	nnpb	**73**	75	l g6m4
7.3-HAlt fuiuoet hao	ZH	1ND	nnpb	ZH	38	l g6m4
6richl8r8ethene	**21**	1ND	nnpb	**3. 0**	43	l g6m4
7.3-HAlt fuiuniunhao	ZH	1ND	nnpb	ZH	3v	l g6m4
CiumuXAlt fuiumoet hao	ZH	1ND	nnpb	ZH	8D	l g6m4
dA-7.4-HAlt fuiuniunoao	ZH	1ND	nnpb	ZH	30	l g6m4
8-2 oet zf-3-Poaehauao	ZH	1ND	nnpb	ZH	3O	l g6m4
68l(ene	**31**	1ND	nnpb	**5.**	34	l g6m4
ehac-7.4-HAlt fuiuniunoao	ZH	1ND	nnpb	ZH	30	l g6m4
7.7.3-MAlt fuiuoet hao	ZH	1ND	nnpb	ZH	44	l g6m4
Mbehdt fuiuoet oao	ZH	1ND	nnpb	ZH	87	l g6m4
3-EoPhauao	ZH	7O	nnpb	ZH	17	l g6m4
HApiumudt fuiumoet hao	ZH	1ND	nnpb	ZH	O7	l g6m4
7.3-HApiumuoet hao	ZH	1ND	nnpb	ZH	81	l g6m4
ohl8r8benzene	**u20**	1ND	nnpb	**2E00**	3v	l g6m4
9et zfpoa&oao	ZH	1ND	nnpb	ZH	31	l g6m4
m.n-I zfoaoc	ZH	73	nnpb	ZH	O3	l g6m4
u-I zfoao	ZH	1ND	nnpb	ZH	31	l g6m4
Sezioao	ZH	1ND	nnpb	ZH	31	l g6m4
Ciumu,uim	ZH	1ND	nnpb	ZH	13	l g6m4
7.7.3.3-Mbehdt fuiuoet hao	ZH	1ND	nnpb	ZH	87	l g6m4
7.7.7.3-Mbehdt fuiuoet hao	ZH	1ND	nnpb	ZH	87	l g6m4

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Rep8rt

Lab #: CD5C80 **Pr8ject#:** 7054NDD4DSDDD

olient: (ul R/: ccudAneoc **L8cati8n:** : C) B2Ful aXiz

509527-03u Analyte	Res(lt Vj U	RL Vj U	Cnits Vj U	Res(lt VMU	RL VMU	Cnits VMU
8-9et zfeufl oao	ZH	1ND	nnpb	ZH	35	l g6m4
7.4.O-MAmoet zfpoa&oao	ZH	1ND	nnpb	ZH	35	l g6m4
7.3.8-MAmoet zfpoa&oao	ZH	1ND	nnpb	ZH	35	l g6m4
7.4-HAlt fui upoa&oao	ZH	1ND	nnpb	ZH	41	l g6m4
3E-Dichl8r8benzene	**11**	1ND	nnpb	**270**	41	l g6m4
Coa&zf/dt fuiAXo	ZH	1ND	nnpb	ZH	47	l g6m4
7.3-HAlt fui upoa&oao	ZH	1ND	nnpb	ZH	41	l g6m4
7.3.8-MAlt fui upoa&oao	ZH	1ND	nnpb	ZH	8O	l g6m4
EoPhdt fui upl enXAoao	ZH	1ND	nnpb	ZH	18	l g6m4
Zhnt et hfoao	ZH	4D	nnpb	ZH	71D	l g6m4
l zfoao/seuehfx	ZH	1ND	nnpb	ZH	31	l g6m4

509527-03u S(rr8gate	%R, o	Limits	Cnits VMU
Ciumu,fl ui upoa&oao	7D8	1D-78D	l g6m4

LogoaX

ND: ZueHoeodeoX

RL Vj U (onuieAg/LAmAe

Res(lt VMU (ocl fe/Aa/mhcc/l aAc

Res(lt Vj U (ocl fe/Aa/bufl mo/l aAc

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-DUP-03 **Batch#:** 342291 **Prep:** METHOD

Lab ID: 509527-017 **Sampled:** 06/03/24 13:15 **Analysis:** EPA TO-15

Matrix: Air **Received:** 06/04/24 **Analyst:** ZNZ

Diln Fac: 24.00 **Analyzed:** 06/08/24 23:05

509527-037 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	24	ppbv	ND	65	ug/m3
Freon 12	ND	4.8	ppbv	ND	24	ug/m3
Freon 114	ND	4.8	ppbv	ND	34	ug/m3
Chloromethane	ND	4.8	ppbv	ND	9.9	ug/m3
Vinyl Chloride	**27**	4.8	ppbv	**70**	12	ug/m3
Bromomethane	ND	4.8	ppbv	ND	19	ug/m3
Chloroethane	ND	4.8	ppbv	ND	13	ug/m3
Trichlorofluoromethane	ND	4.8	ppbv	ND	27	ug/m3
1,1-Dichloroethene	ND	4.8	ppbv	ND	19	ug/m3
Freon 113	ND	4.8	ppbv	ND	37	ug/m3
Acetone	**81**	24	ppbv	**300**	57	ug/m3
Carbon Disul.ide	**940**	4.8	ppbv	**2f**	15	ug/m3
Isopropanol (IPA)	ND	24	ppbv	ND	59	ug/m3
Methylene Chloride	ND	4.8	ppbv	ND	17	ug/m3
trans-1,2-Dichloroethene	ND	4.8	ppbv	ND	19	ug/m3
MTBE	ND	4.8	ppbv	ND	17	ug/m3
n-Texane	**3500**	4.8	ppbv	**1900**	17	ug/m3
1,1-Dichloroethane	ND	4.8	ppbv	ND	19	ug/m3
Vinyl Acetate	ND	24	ppbv	ND	85	ug/m3
cis-312-Dichloroethene	**36**	4.8	ppbv	**65**	19	ug/m3
2-Butanone	ND	24	ppbv	ND	71	ug/m3
Chloroform	ND	4.8	ppbv	ND	23	ug/m3
1,1,1-Trichloroethane	ND	4.8	ppbv	ND	26	ug/m3
Carbon Tetrachloride	ND	4.8	ppbv	ND	30	ug/m3
Benzene	**28**	4.8	ppbv	**77**	15	ug/m3
1,2-Dichloroethane	ND	4.8	ppbv	ND	19	ug/m3
Hrichloroethene	**25**	4.8	ppbv	**310**	26	ug/m3
1,2-Dichloropropane	ND	4.8	ppbv	ND	22	ug/m3
Bromodichloromethane	ND	4.8	ppbv	ND	32	ug/m3
cis-1,3-Dichloropropene	ND	4.8	ppbv	ND	22	ug/m3
4-Methyl-2-Pentanone	ND	4.8	ppbv	ND	20	ug/m3
Holuene	**35**	4.8	ppbv	**57**	18	ug/m3
trans-1,3-Dichloropropene	ND	4.8	ppbv	ND	22	ug/m3
1,1,2-Trichloroethane	ND	4.8	ppbv	ND	26	ug/m3
Tetrachloroethene	ND	4.8	ppbv	ND	33	ug/m3
2-Hexanone	ND	12	ppbv	ND	49	ug/m3
Dibromochloromethane	ND	4.8	ppbv	ND	41	ug/m3
1,2-Dibromoethane	ND	4.8	ppbv	ND	37	ug/m3
Chlorobenzene	**680**	4.8	ppbv	**2f00**	22	ug/m3
Ethylbenzene	ND	4.8	ppbv	ND	21	ug/m3
m,p-Xylenes	ND	9.6	ppbv	ND	42	ug/m3
o-Xylene	ND	4.8	ppbv	ND	21	ug/m3
Styrene	ND	4.8	ppbv	ND	20	ug/m3
Bromoform	ND	4.8	ppbv	ND	50	ug/m3
1,1,2,2-Tetrachloroethane	ND	4.8	ppbv	ND	33	ug/m3
1,1,1,2-Tetrachloroethane	ND	4.8	ppbv	ND	33	ug/m3

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

509527-037 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	ND	4.8	ppbv	ND	24	ug/m3
1,3,5-Trimethylbenzene	ND	4.8	ppbv	ND	24	ug/m3
1,2,4-Trimethylbenzene	ND	4.8	ppbv	ND	24	ug/m3
1,3-Dichlorobenzene	ND	4.8	ppbv	ND	29	ug/m3
3B-Dichlorobenzene	**50**	4.8	ppbv	**100**	29	ug/m3
Benzyl chloride	ND	4.8	ppbv	ND	25	ug/m3
1,2-Dichlorobenzene	ND	4.8	ppbv	ND	29	ug/m3
1,2,4-Trichlorobenzene	ND	4.8	ppbv	ND	36	ug/m3
Hexachlorobutadiene	ND	4.8	ppbv	ND	51	ug/m3
Naphthalene	ND	24	ppbv	ND	130	ug/m3
Xylene (total)	ND	4.8	ppbv	ND	21	ug/m3

509527-037 Surrogate	%R, C	Limits	Units (M)
Bromofluorobenzene	104	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical RepCrt

Lab #: 509527 **PrCject#:** 1793.0030S000

. lient: Roux Associates **LCcatiCn:** AB&I Foundry

Field ID:	SVP-57-5	**Batch#:**	342291	**Prep:**	METHOD
Lab ID:	509527-018	**Sampled:**	06/03/24 14:32	**Analysis:**	EPA TO-15
Matrix:	Air	**Received:**	06/04/24	**Analyst:**	ZNZ
Diln Fac:	9.200	**Analyzed:**	06/08/24 20:47		

509527-01u Analyte	Res(lt V) U	RL V) U	onits V) U	Res(lt VMU	RL VMU	onits VMU
1,1-Difluoroethane	ND	9.2	ppbv	ND	25	ug/m3
Freon 12	ND	1.8	ppbv	ND	9.1	ug/m3
Freon 114	ND	1.8	ppbv	ND	13	ug/m3
Chloromethane	ND	1.8	ppbv	ND	3.8	ug/m3
) inyl . hlCride	**130**	1.8	ppbv	**320**	4.7	ug/m3
Bromomethane	ND	1.8	ppbv	ND	7.1	ug/m3
. hlCrCethane	**28**	1.8	ppbv	**68**	4.9	ug/m3
Trichlorofluoromethane	ND	1.8	ppbv	ND	10	ug/m3
1,1-Dichloroethene	ND	1.8	ppbv	ND	7.3	ug/m3
Freon 113	ND	1.8	ppbv	ND	14	ug/m3
AcetCne	**67**	9.2	ppbv	**160**	22	ug/m3
. arbCn Dis(lfide	**57**	1.8	ppbv	**1u0**	5.7	ug/m3
Isopropanol (IPA)	ND	9.2	ppbv	ND	23	ug/m3
Methylene Chloride	ND	1.8	ppbv	ND	6.4	ug/m3
trans-142-DichlCrCethene	**28**	1.8	ppbv	**98**	7.3	ug/m3
MTBE	ND	1.8	ppbv	ND	6.6	ug/m3
n-Hexane	**310**	1.8	ppbv	**1400**	6.5	ug/m3
141-DichlCrCethane	**1T**	1.8	ppbv	**55**	7.4	ug/m3
Vinyl Acetate	ND	9.2	ppbv	ND	32	ug/m3
cis-142-DichlCrCethene	**68u**	1.8	ppbv	**27**	7.3	ug/m3
2-B(tanCne	**12**	9.2	ppbv	**36**	27	ug/m3
Chloroform	ND	1.8	ppbv	ND	9.0	ug/m3
1,1,1-Trichloroethane	ND	1.8	ppbv	ND	10	ug/m3
Carbon Tetrachloride	ND	1.8	ppbv	ND	12	ug/m3
Benzene	**5T**	1.8	ppbv	**170**	5.9	ug/m3
1,2-Dichloroethane	ND	1.8	ppbv	ND	7.4	ug/m3
ErichlCrCethene	**35**	1.8	ppbv	**19**	9.9	ug/m3
1,2-Dichloropropane	ND	1.8	ppbv	ND	8.5	ug/m3
Bromodichloromethane	ND	1.8	ppbv	ND	12	ug/m3
cis-1,3-Dichloropropene	ND	1.8	ppbv	ND	8.4	ug/m3
T-Methyl-2-PentanCne	**12**	1.8	ppbv	**T9**	7.5	ug/m3
ECl(ene	**27**	1.8	ppbv	**100**	6.9	ug/m3
trans-1,3-Dichloropropene	ND	1.8	ppbv	ND	8.4	ug/m3
1,1,2-Trichloroethane	ND	1.8	ppbv	ND	10	ug/m3
EetrachlCrCethene	**28u**	1.8	ppbv	**19**	12	ug/m3
2-Hexanone	ND	4.6	ppbv	ND	19	ug/m3
Dibromochloromethane	ND	1.8	ppbv	ND	16	ug/m3
1,2-Dibromoethane	ND	1.8	ppbv	ND	14	ug/m3
Chlorobenzene	ND	1.8	ppbv	ND	8.5	ug/m3
, thylbenzene	**16**	1.8	ppbv	**71**	8.0	ug/m3
m4p-Xylenes	**2T**	3.7	ppbv	**100**	16	ug/m3
C-Xylene	**27**	1.8	ppbv	**120**	8.0	ug/m3
Styrene	ND	1.8	ppbv	ND	7.8	ug/m3
Bromoform	ND	1.8	ppbv	ND	19	ug/m3
1,1,2,2-Tetrachloroethane	ND	1.8	ppbv	ND	13	ug/m3
1,1,1,2-Tetrachloroethane	ND	1.8	ppbv	ND	13	ug/m3

ENTHALPY ANALYTICAL

, nthalpy Analytical - Orange Analytical RepCrt

Lab #: 509527 **PrCject#:** 1793.0030S000

. lient: Roux Associates **LCcatiCn:** AB&I Foundry

509527-01u Analyte	Res(lt Vj U	RL Vj U	onits Vj U	Res(lt VMU	RL VMU	onits VMU
T-, thyltCl(ene	**15**	1.8	ppbv	**7T**	9.0	ug/m3
1&5-Erimethylbenzene	**37**	1.8	ppbv	**1u0**	9.0	ug/m3
1&4T-Erimethylbenzene	**53**	1.8	ppbv	**260**	9.0	ug/m3
1,3-Dichlorobenzene	ND	1.8	ppbv	ND	11	ug/m3
1,4-Dichlorobenzene	ND	1.8	ppbv	ND	11	ug/m3
Benzyl chloride	ND	1.8	ppbv	ND	9.5	ug/m3
1,2-Dichlorobenzene	ND	1.8	ppbv	ND	11	ug/m3
1,2,4-Trichlorobenzene	ND	1.8	ppbv	ND	14	ug/m3
Hexachlorobutadiene	ND	1.8	ppbv	ND	20	ug/m3
Naphthalene	ND	9.2	ppbv	ND	48	ug/m3
Xylene VCtalU	**51**	1.8	ppbv	**220**	8.0	ug/m3

509527-01u S(rrCgate	%R, .	Limits	onits VMU
Bromofluorobenzene	89	60-140	ug/m3

Legend

ND: Not Detected

RL Vj U Reporting Limit

Res(lt VMU Result in mass units

Res(lt Vj U Result in volume units

ENTHALPY ANALYTICAL

E#nValcP h#alPriSal 0Oya#ge h#alPriSal bec. yn

paL): 509527 **My. jeSn):** 1793.0030S000

olie#n: Roux Associates **p. Sari. #:** AB&I Foundry

Field ID: SVP-32-8 **Bat cled:** 05/31/24 11:56 **h#alPrir:** EPA TO-15

paL ID: 509527-019 **beSeimed:** 06/04/24

Aanyis: Air **Myec:** METHOD

xRvxz50R9v h#alPre	ber 2ln7-1	bp 7-1	u#in 7-1	ber 2ln7A1	bp 7A1	u#in 7A1	Dil#	FaS (arSV)	h#alPUed	h#alPrn
1,1-Difluoroethane	ND	4.0	ppbv	ND	11	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Freon 12	ND	0.80	ppbv	ND	4.0	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Freon 114	ND	0.80	ppbv	ND	5.6	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Chloromethane	ND	0.80	ppbv	ND	1.7	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
- i#Pl oVl. yide	**9C**	0.80	ppbv	**39**	2.0	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Bromomethane	ND	0.80	ppbv	ND	3.1	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Chloroethane	ND	0.80	ppbv	ND	2.1	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Trichlorofluoromethane	ND	0.80	ppbv	ND	4.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,1-Dichloroethene	ND	0.80	ppbv	ND	3.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Freon 113	ND	0.80	ppbv	ND	6.1	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
hSen #e	**Cv**	4.0	ppbv	**9CR**	9.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
oayL. # Dir 2l8de	**R6vf**	0.80	ppbv	**469**	2.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
lr. cy. ca#. l 7lMh 1	**95R**	20	ppbv	**3zR**	49	ug/m3	20.00	342189	06/08/24 00:02	MBC
Methylene Chloride	ND	0.80	ppbv	ND	2.8	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
nya#r 09Hz0DiSVl. y. enVe#e	**z69**	0.80	ppbv	**f 64**	3.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
AT(E	**96x**	0.80	ppbv	**x6x**	2.9	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
#0, esa#e	**9xR**	0.80	ppbv	**xzR**	2.8	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
9l90DiSVl. y. enVa#e	**z6R**	0.80	ppbv	**f 64**	3.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Vinyl Acetate	ND	4.0	ppbv	ND	14	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Sir 09Hz0DiSVl. y. enVe#e	**f 69**	0.80	ppbv	**4z**	3.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
z0(2na#. #e	**36f**	4.0	ppbv	**93**	12	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Chloroform	ND	0.80	ppbv	ND	3.9	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,1,1-Trichloroethane	ND	0.80	ppbv	ND	4.4	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Carbon Tetrachloride	ND	0.80	ppbv	ND	5.0	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
(e#Ue#e	**99**	0.80	ppbv	**4C**	2.6	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,2-Dichloroethane	ND	0.80	ppbv	ND	3.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Trichloroethene	ND	0.80	ppbv	ND	4.3	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,2-Dichloropropane	ND	0.80	ppbv	ND	3.7	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Bromodichloromethane	ND	0.80	ppbv	ND	5.4	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
cis-1,3-Dichloropropene	ND	0.80	ppbv	ND	3.6	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
4-Methyl-2-Pentanone	ND	0.80	ppbv	ND	3.3	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
T. l2e#e	**z6R**	0.80	ppbv	**563**	3.0	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
trans-1,3-Dichloropropene	ND	0.80	ppbv	ND	3.6	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,1,2-Trichloroethane	ND	0.80	ppbv	ND	4.4	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
TenyaSVl. y. enVe#e	**963**	0.80	ppbv	**v65**	5.4	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
2-Hexanone	ND	2.0	ppbv	ND	8.2	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Dibromochloromethane	ND	0.80	ppbv	ND	6.8	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,2-Dibromoethane	ND	0.80	ppbv	ND	6.1	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Chlorobenzene	ND	0.80	ppbv	ND	3.7	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Ethylbenzene	ND	0.80	ppbv	ND	3.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
t hc0XPle#er	**96v**	1.6	ppbv	**f 63**	6.9	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
. 0XPle#e	**96z**	0.80	ppbv	**x6R**	3.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Styrene	ND	0.80	ppbv	ND	3.4	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
Bromoform	ND	0.80	ppbv	ND	8.3	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,1,2,2-Tetrachloroethane	ND	0.80	ppbv	ND	5.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,1,1,2-Tetrachloroethane	ND	0.80	ppbv	ND	5.5	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
4-Ethyltoluene	ND	0.80	ppbv	ND	3.9	ug/m3	4.000	342291	06/08/24 17:59	ZNZ
1,3,5-Trimethylbenzene	ND	0.80	ppbv	ND	3.9	ug/m3	4.000	342291	06/08/24 17:59	ZNZ

ENTHALPY ANALYTICAL

E#nVaIcP h#aIPriSaI 0Oya#ge h#aIPriSaI bec. yn

paL): 509527 **My. jeSn):** 1793.0030S000

olie#n: Roux Associates **p. Sari. #:** AB&I Foundry

xRvxz50R9v h#aIPre	ber2In7-1	bp7-1	u#inr7-1	ber2In7A1	bp7A1	u#inr7A1	Dil# FaS (arSV)	h#aIPUed	h#aIPrn
1,2,4-Trimethylbenzene	ND	0.80	ppbv	ND	3.9	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
1,3-Dichlorobenzene	ND	0.80	ppbv	ND	4.8	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
1,4-Dichlorobenzene	ND	0.80	ppbv	ND	4.8	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
Benzyl chloride	ND	0.80	ppbv	ND	4.1	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
1,2-Dichlorobenzene	ND	0.80	ppbv	ND	4.8	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
1,2,4-Trichlorobenzene	ND	0.80	ppbv	ND	5.9	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
Hexachlorobutadiene	ND	0.80	ppbv	ND	8.5	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
Naphthalene	ND	4.0	ppbv	ND	21	ug/m3	4.000 342291	06/08/24 17:59	ZNZ
XPIe#e7n nal1	**469**	0.80	ppbv	**94**	3.5	ug/m3	4.000 342291	06/08/24 17:59	ZNZ

xRvxz50R9v B2yy. gare	%bEo	pit inr	u#inr7A1	Dil# FaS (arSV)	h#aIPUed	h#aIPrn
Bromofluorobenzene	107	60-140	ug/m3	4.000 342291	06/08/24 17:59	ZNZ

Legend

ND: Not Detected

bp7-1: Reporting Limit

ber2In7A1: Result in mass units

ber2In7-1: Result in volume units

Enthalpy Analytical - Orange Analytical RepUrt

Lab #: 40M417 **PrUject#:** 97M8.0030S000

Client: Roux i ssocrates **LUcatiUn:** i B&I Found6y

Field ID: SVP-41-8 **Batch#:** 32198M **Prep:** E THOD5

Lab ID: 40M417-010 **Sampled:** 04/39/12 94:3A **Analysis:** TPi HD-94

Matrix: i r6 **Received:** 0A/02/12 **Analyst:** E BC

Diln Fac: 1.300 **Analyzed:** 0A/08/12 03:20

509527-020 Analyte	Res1lt u(V	RL u(V	) nits u(V	Res1lt uMV	RL uMV	) nits uMV
9,9-5 rfluo6oethane	N5	1.3	ppbv	N5	A.1	ug/m3
FreUn o2	**0.50**	0.2A	ppbv	**2.5**	1.3	ug/m3
F6eon 992	N5	0.2A	ppbv	N5	3.1	ug/m3
ChlUrUmethane	**o.o**	0.2A	ppbv	**2.3**	0.M4	ug/m3
Vmyl Chlo6de	N5	0.2A	ppbv	N5	9.1	ug/m3
B6omomethane	N5	0.2A	ppbv	N5	9.8	ug/m3
ChlUrUethane	**0.86**	0.2A	ppbv	**o.7**	9.1	ug/m3
H6chlo6fluo6omethane	N5	0.2A	ppbv	N5	1.A	ug/m3
9,9-5 rchlo6oethene	N5	0.2A	ppbv	N5	9.8	ug/m3
F6eon 993	N5	0.2A	ppbv	N5	3.4	ug/m3
AcetUne	**22**	1.3	ppbv	**53**	4.4	ug/m3
CarbUn Dis1lfide	**o6**	0.2A	ppbv	**66**	9.2	ug/m3
IsUprUpanUl uPAV	**o5**	1.3	ppbv	**34**	4.7	ug/m3
Methylene ChlUride	**0.73**	0.2A	ppbv	**2.5**	9.A	ug/m3
t6ans-9,1-5 rchlo6oethene	N5	0.2A	ppbv	N5	9.8	ug/m3
E HBT	N5	0.2A	ppbv	N5	9.7	ug/m3
n-Hexane	**5.9**	0.2A	ppbv	**2o**	9.A	ug/m3
9,9-5 rchlo6oethane	N5	0.2A	ppbv	N5	9.M	ug/m3
Vmyl i cetate	N5	1.3	ppbv	N5	8.9	ug/m3
cis-9,1-5 rchlo6oethene	N5	0.2A	ppbv	N5	9.8	ug/m3
2-B1tanUne	**6.9**	1.3	ppbv	**o6**	A.8	ug/m3
ChlUrUfUrm	**o.9**	0.2A	ppbv	**9.o**	1.1	ug/m3
9,9,9-H6chlo6oethane	N5	0.2A	ppbv	N5	1.4	ug/m3
Ca6bon Het6achlo6de	N5	0.2A	ppbv	N5	1.M	ug/m3
Benzene	**2.6**	0.2A	ppbv	**7.8**	9.4	ug/m3
9,1-5 rchlo6oethane	N5	0.2A	ppbv	N5	9.M	ug/m3
H6chlo6oethene	N5	0.2A	ppbv	N5	1.4	ug/m3
9,1-5 rchlo6op6opane	N5	0.2A	ppbv	N5	1.9	ug/m3
B6omodrchlo6omethane	N5	0.2A	ppbv	N5	3.9	ug/m3
cis-9,3-5 rchlo6op6opene	N5	0.2A	ppbv	N5	1.9	ug/m3
6-Methyl-2-PentanUne	**o.7**	0.2A	ppbv	**8.9**	9.M	ug/m3
TUl1ene	**o2**	0.2A	ppbv	**68**	9.7	ug/m3
t6ans-9,3-5 rchlo6op6opene	N5	0.2A	ppbv	N5	1.9	ug/m3
9,9,1-H6chlo6oethane	N5	0.2A	ppbv	N5	1.4	ug/m3
Het6achlo6oethene	N5	0.2A	ppbv	N5	3.9	ug/m3
1-Oexanone	N5	9.1	ppbv	N5	2.7	ug/m3
5 rb6omochlo6omethane	N5	0.2A	ppbv	N5	3.M	ug/m3
9,1-5 rb6omoethane	N5	0.2A	ppbv	N5	3.4	ug/m3
Chlo6obenzene	N5	0.2A	ppbv	N5	1.9	ug/m3
Ethylbenzene	**o.0**	0.2A	ppbv	**6.3**	1.0	ug/m3
m,p-Xylenes	**6.7**	0.M1	ppbv	**20**	2.0	ug/m3
U-Xylene	**o.3**	0.2A	ppbv	**5.5**	1.0	ug/m3
Sty6ene	N5	0.2A	ppbv	N5	1.0	ug/m3
B6omofo6m	N5	0.2A	ppbv	N5	2.8	ug/m3
9,9,1,1-Het6achlo6oethane	N5	0.2A	ppbv	N5	3.1	ug/m3
9,9,9,1-Het6achlo6oethane	N5	0.2A	ppbv	N5	3.1	ug/m3

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical RepUrt

Lab #: 40M417 **PrUject#:** 97M3.0030S000

Client: Roux i ssocrates **LUcatiUn:** i B&I Found6y

509527-020 Analyte	Res1lt u(V	RL u(V	) nits u(V	Res1lt uMV	RL uMV	) nits uMV
2-Tthyltoluene	N5	0.2A	ppbv	N5	1.3	ug/m3
o,3,5-Trimethylbenzene	**0.7o**	0.2A	ppbv	**3.5**	1.3	ug/m3
o,2,6-Trimethylbenzene	**o.7**	0.2A	ppbv	**4.2**	1.3	ug/m3
9,3-5 rchlo6obenzene	N5	0.2A	ppbv	N5	1.8	ug/m3
9,2-5 rchlo6obenzene	N5	0.2A	ppbv	N5	1.8	ug/m3
Benzyl chlo6ide	N5	0.2A	ppbv	N5	1.2	ug/m3
9,1-5 rchlo6obenzene	N5	0.2A	ppbv	N5	1.8	ug/m3
9,1,2-H6chlo6obenzene	N5	0.2A	ppbv	N5	3.2	ug/m3
Oexachlo6obutadrene	N5	0.2A	ppbv	N5	2.M	ug/m3
Naphthalene	N5	1.3	ppbv	N5	91	ug/m3
Xylene utUtalV	**5.9**	0.2A	ppbv	**28**	1.0	ug/m3

509527-020 S1rrUgate	%REC	Limits	) nits uMV
B6omofluo6obenzene	90A	A0-920	ug/m3

Legend

ND: Not 5 etected

RL u(V Repo3mg Lmrt

Res1lt uMV Result m mass unrts

Res1lt u(V Result m volume unrts

Enthalpy Analytical - Orange Analytical Report

Lab #: 3CD315 **Project#:** 05D8N0C8CSCCO
Client: (ul &/: xxucAneox **Location:** : B) s/mul adiC

Field ID: SVP-13-3 **Batch#:** 841843 **Prep:** 2 9METH
Lab ID: 3CD315-C10 **Sampled:** C76C8614/03 45 **Analysis:** 9P: /MT-03
Matrix: : A **Received:** C76C4614 **Analyst:** r Zr
Diln Fac: 1CN0O **Analyzed:** C76C6614/03 83

509527-021 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
0.0-HAfl uiuoet hao	ZH	1O	nnpb	ZH	34	l v@g 8
mioua/01	ZH	4ND	nnpb	ZH	1O	l v@g 8
mioua/004	ZH	4ND	nnpb	ZH	1F	l v@g 8
y t fuiug oet hao	ZH	4ND	nnpb	ZH	FN8	l v@g 8
VAaCf/y t fuiAdo	ZH	4ND	nnpb	ZH	0O	l v@g 8
Biug ug oet hao	ZH	4ND	nnpb	ZH	07	l v@g 8
y t fuiuoet hao	ZH	4ND	nnpb	ZH	00	l v@g 8
MAst fuiu,fl uiug oet hao	ZH	4ND	nnpb	ZH	11	l v@g 8
0.0-HAst fuiuoet oao	ZH	4ND	nnpb	ZH	07	l v@g 8
mioua/008	ZH	4ND	nnpb	ZH	80	l v@g 8
: coeuao	ZH	1O	nnpb	ZH	4F	l v@g 8
Carbon Disulfide	**7.4**	4ND	nnpb	**23**	01	l v@g 8
sxuniunhauf/zsP: X	ZH	1O	nnpb	ZH	4D	l v@g 8
2 oet Cfoao/y t fuiAdo	ZH	4ND	nnpb	ZH	04	l v@g 8
ehax-0.1-HAst fuiuoet oao	ZH	4ND	nnpb	ZH	07	l v@g 8
2 MB9	ZH	4ND	nnpb	ZH	04	l v@g 8
n-Hexane	**270**	4ND	nnpb	**940**	04	l v@g 8
0.0-HAst fuiuoet hao	ZH	4ND	nnpb	ZH	07	l v@g 8
VAaCf/: coehoo	ZH	1O	nnpb	ZH	5O	l v@g 8
cAx-0.1-HAst fuiuoet oao	ZH	4ND	nnpb	ZH	07	l v@g 8
1-Bl ehauao	ZH	1O	nnpb	ZH	3D	l v@g 8
Chloroform	**6.1**	4ND	nnpb	**30**	1O	l v@g 8
0.0.0-MAst fuiuoet hao	ZH	4ND	nnpb	ZH	11	l v@g 8
y hipua/Mbehct fuiAdo	ZH	4ND	nnpb	ZH	13	l v@g 8
BoaPbao	ZH	4ND	nnpb	ZH	08	l v@g 8
0.1-HAst fuiuoet hao	ZH	4ND	nnpb	ZH	07	l v@g 8
Trichloroethene	**12**	4ND	nnpb	**65**	10	l v@g 8
0.1-HAst fuiuniunhao	ZH	4ND	nnpb	ZH	0F	l v@g 8
Biug udAst fuiug oet hao	ZH	4ND	nnpb	ZH	15	l v@g 8
cAx-0.8-HAst fuiuniunoao	ZH	4ND	nnpb	ZH	0F	l v@g 8
4-2 oet Cf-1-Poaehauao	ZH	4ND	nnpb	ZH	07	l v@g 8
Toluene	**14**	4ND	nnpb	**54**	03	l v@g 8
ehax-0.8-HAst fuiuniunoao	ZH	4ND	nnpb	ZH	0F	l v@g 8
0.0.1-MAst fuiuoet hao	ZH	4ND	nnpb	ZH	11	l v@g 8
Tetrachloroethene	**40**	4ND	nnpb	**270**	15	l v@g 8
1-Eo&hauao	ZH	0O	nnpb	ZH	40	l v@g 8
HApiug uct fuiug oet hao	ZH	4ND	nnpb	ZH	84	l v@g 8
0.1-HApiug uoet hao	ZH	4ND	nnpb	ZH	80	l v@g 8
y t fuiupoaPbao	ZH	4ND	nnpb	ZH	0F	l v@g 8
9et CfpoaPbao	ZH	4ND	nnpb	ZH	05	l v@g 8
m,p-Xylenes	**10**	FND	nnpb	**45**	83	l v@g 8
u-I Cfoao	ZH	4ND	nnpb	ZH	05	l v@g 8
SeCloao	ZH	4ND	nnpb	ZH	05	l v@g 8
Biug u,uig	ZH	4ND	nnpb	ZH	40	l v@g 8
0.0.1.1-Mbehct fuiuoet hao	ZH	4ND	nnpb	ZH	15	l v@g 8
0.0.0.1-Mbehct fuiuoet hao	ZH	4ND	nnpb	ZH	15	l v@g 8

Enthalpy Analytical - Orange Analytical Report

Lab #: 3OD315 **Project#:** 05D8NOC8OSOOO

Client: (ul &/: xxucAneox **Location:** : B) s/mul adiC

509527-021 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-9et Cfufl oao	ZH	4NO	nnpb	ZH	1O	l v6g 8
0.8.3-MAg oet CfpoaPoao	ZH	4NO	nnpb	ZH	1O	l v6g 8
0.1.4-MAg oet CfpoaPoao	ZH	4NO	nnpb	ZH	1O	l v6g 8
0.8-HAst fuiupoaPoao	ZH	4NO	nnpb	ZH	14	l v6g 8
0.4-HAst fuiupoaPoao	ZH	4NO	nnpb	ZH	14	l v6g 8
BoaRCf/ct fuiAslo	ZH	4NO	nnpb	ZH	10	l v6g 8
0.1-HAst fuiupoaPoao	ZH	4NO	nnpb	ZH	14	l v6g 8
0.1.4-MAst fuiupoaPoao	ZH	4NO	nnpb	ZH	8O	l v6g 8
Eo&hct fuiupl endAsao	ZH	4NO	nnpb	ZH	48	l v6g 8
Zhnt et hfoao	ZH	1O	nnpb	ZH	0OO	l v6g 8
Xylene (total)	**10**	4NO	nnpb	**45**	05	l v6g 8

509527-021 Surrogate	%REC	Limits	Units (M)
Biug u,fl uiupoaPoao	D4	7O-04O	l v6g 8

Lovoad

ND: ZueHoeocead

RL (V): (onuieAav/LAg Ae

Result (M): (oxl fe/Aa/g hxx/l aAex

Result (V): (oxl fe/Aa/bufl g o/l aAex

Enthalpy Analytical - Orange Analytical Report

Lab #: CD0C17 **Project#:** : 704.DD4DSDDD

Client: Roux i ((osrate(**Location:** i B&) Founl 6c

Field ID: SVP-45-3 **Batch#:** 421425 **Prep:** 8 9METH

Lab ID: CD0C17-D11 **Sampled:** D5/D4/12 : 5A41 **Analysis:** 9Pi MT-: O

Matrix: i r6 **Received:** D5/D2/12 **Analyst:** 8 BC

Diln Fac: 73.DD **Analyzed:** D5/: D/12 : 5A01

509527-022 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
: ,: -Hrfluo6oethane	NH	73	ppbv	NH	1: D	ug/m4
F6eon : 1	NH	: 5	ppbv	NH	77	ug/m4
F6eon : : 2	NH	: 5	ppbv	NH	: : D	ug/m4
Chlo6omethane	NH	: 5	ppbv	NH	41	ug/m4
Vmcl Chlo6l e	NH	: 5	ppbv	NH	2D	ug/m4
B6omomethane	NH	: 5	ppbv	NH	5:	ug/m4
Chloroethane	**630**	: 5	ppbv	**1,700**	2:	ug/m4
M6shlo6ofluo6omethane	NH	: 5	ppbv	NH	33	ug/m4
: ,: -Hrshlo6oethene	NH	: 5	ppbv	NH	51	ug/m4
F6eon : : 4	NH	: 5	ppbv	NH	: 1D	ug/m4
i setone	NH	73	ppbv	NH	: 0D	ug/m4
Ca6bon Hr(ulfrl e	NH	: 5	ppbv	NH	20	ug/m4
)(op6opanol y)Pi d	NH	73	ppbv	NH	: 0D	ug/m4
8 ethclene Chlo6l e	NH	: 5	ppbv	NH	O2	ug/m4
t6an(-: ,1-Hrshlo6oethene	NH	: 5	ppbv	NH	51	ug/m4
8 MB9	NH	: 5	ppbv	NH	O5	ug/m4
n-Hexane	**2,700**	: 5	ppbv	**9,400**	OO	ug/m4
1,1-Dichloroethane	**17**	: 5	ppbv	**68**	54	ug/m4
Vmcl i setate	NH	73	ppbv	NH	17D	ug/m4
sr(-: ,1-Hrshlo6oethene	NH	: 5	ppbv	NH	51	ug/m4
1-Butanone	NH	73	ppbv	NH	14D	ug/m4
Chlo6ofo6m	NH	: 5	ppbv	NH	75	ug/m4
: ,: ,: -M6shlo6oethane	NH	: 5	ppbv	NH	3O	ug/m4
Ca6bon Met6ashlo6l e	NH	: 5	ppbv	NH	03	ug/m4
Benzene	**25**	: 5	ppbv	**80**	OD	ug/m4
: ,1-Hrshlo6oethane	NH	: 5	ppbv	NH	54	ug/m4
M6shlo6oethene	NH	: 5	ppbv	NH	32	ug/m4
: ,1-Hrshlo6op6opane	NH	: 5	ppbv	NH	71	ug/m4
B6omol rshlo6omethane	NH	: 5	ppbv	NH	: DD	ug/m4
sr(-: ,4-Hrshlo6op6opene	NH	: 5	ppbv	NH	7:	ug/m4
2-8 ethcl-1-Pentanone	NH	: 5	ppbv	NH	52	ug/m4
Toluene	**20**	: 5	ppbv	**75**	O0	ug/m4
t6an(-: ,4-Hrshlo6op6opene	NH	: 5	ppbv	NH	7:	ug/m4
: ,: ,1-M6shlo6oethane	NH	: 5	ppbv	NH	3O	ug/m4
Met6ashlo6ethene	NH	: 5	ppbv	NH	: : D	ug/m4
1-Eexanone	NH	40	ppbv	NH	: 5D	ug/m4
Hrb6omoshlo6omethane	NH	: 5	ppbv	NH	: 4D	ug/m4
: ,1-Hrb6omoethane	NH	: 5	ppbv	NH	: 1D	ug/m4
Chlo6obenzene	NH	: 5	ppbv	NH	71	ug/m4
9thclbenzene	NH	: 5	ppbv	NH	53	ug/m4
m,p-Xclene(	NH	4:	ppbv	NH	: 2D	ug/m4
o-Xylene	**80**	: 5	ppbv	**350**	53	ug/m4
Stc6ene	NH	: 5	ppbv	NH	55	ug/m4
B6omofo6m	NH	: 5	ppbv	NH	: 5D	ug/m4
: ,: ,1,1-Met6ashlo6oethane	NH	: 5	ppbv	NH	: : D	ug/m4
: ,: ,: ,1-Met6ashlo6oethane	NH	: 5	ppbv	NH	: : D	ug/m4

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: CD0C17 **Project#:** : 704.DD4DSDDD

Client: Roux i ((osrate(**Location:** i B&) Founl 6c

509527-022 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
4-Ethyltoluene	**45**	: 5	ppbv	**220**	77	ug/m4
1,3,5-Trimethylbenzene	**70**	: 5	ppbv	**340**	77	ug/m4
1,2,4-Trimethylbenzene	**58**	: 5	ppbv	**290**	77	ug/m4
1,3-Dichlorobenzene	**18**	: 5	ppbv	**110**	02	ug/m4
1,4-Dichlorobenzene	**69**	: 5	ppbv	**410**	02	ug/m4
Benzcl shlo6l e	NH	: 5	ppbv	NH	3:	ug/m4
1,2-Dichlorobenzene	**23**	: 5	ppbv	**140**	02	ug/m4
: ,1,2-M6shlo6obenzene	NH	: 5	ppbv	NH	: 1D	ug/m4
Eexashlo6obutal rene	NH	: 5	ppbv	NH	: 7D	ug/m4
Naphthalene	NH	73	ppbv	NH	2: D	ug/m4
Xylene (total)	**80**	: 5	ppbv	**350**	53	ug/m4

509527-022 Surrogate	%REC	Limits	Units (M)
B6omofluo6obenzene	04	5D-: 2D	ug/m4

Legenl

ND: Not Hetestel

RL (V): Repo6mg Lmrt

Result (M): Re(ult m ma((unrt(

Result (V): Re(ult m volume unrt(

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159415 **Batch#:** 342183 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/24 10:58 **Analyst:** ZNZ

QC1159415 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,1-Difluoroethane	10.00	9.856	ppbv	99	70-130
Freon 12	10.00	9.927	ppbv	99	70-130
Freon 114	10.00	9.927	ppbv	99	70-130
Chloromethane	10.00	11.56	ppbv	116	70-130
Vinyl Chloride	10.00	11.56	ppbv	116	70-130
Bromomethane	10.00	10.74	ppbv	107	70-130
Chloroethane	10.00	11.42	ppbv	114	70-130
Trichlorofluoromethane	10.00	9.522	ppbv	95	70-130
1,1-Dichloroethene	10.00	10.30	ppbv	103	70-130
Freon 113	10.00	9.672	ppbv	97	70-130
Acetone	10.00	11.27	ppbv	113	70-130
Carbon Disulfide	10.00	11.62	ppbv	116	70-130
Isopropanol (IPA)	10.00	9.091	ppbv	91	70-130
Methylene Chloride	10.00	10.57	ppbv	106	70-130
trans-1,2-Dichloroethene	10.00	9.311	ppbv	93	70-130
MTBE	10.00	9.118	ppbv	91	70-130
n-Hexane	10.00	9.956	ppbv	100	70-130
1,1-Dichloroethane	10.00	9.454	ppbv	95	70-130
Vinyl Acetate	10.00	8.475	ppbv	85	70-130
cis-1,2-Dichloroethene	10.00	9.380	ppbv	94	70-130
2-Butanone	10.00	9.836	ppbv	98	70-130
Chloroform	10.00	9.809	ppbv	98	70-130
1,1,1-Trichloroethane	10.00	9.702	ppbv	97	70-130
Carbon Tetrachloride	10.00	10.43	ppbv	104	70-130
Benzene	10.00	9.913	ppbv	99	70-130
1,2-Dichloroethane	10.00	9.184	ppbv	92	70-130
Trichloroethene	10.00	9.947	ppbv	99	70-130
1,2-Dichloropropane	10.00	9.772	ppbv	98	70-130
Bromodichloromethane	10.00	10.76	ppbv	108	70-130
cis-1,3-Dichloropropene	10.00	10.55	ppbv	106	70-130
4-Methyl-2-Pentanone	10.00	10.13	ppbv	101	70-130
Toluene	10.00	10.20	ppbv	102	70-130
trans-1,3-Dichloropropene	10.00	10.45	ppbv	104	70-130
1,1,2-Trichloroethane	10.00	10.08	ppbv	101	70-130
Tetrachloroethene	10.00	9.164	ppbv	92	70-130
2-Hexanone	10.00	10.33	ppbv	103	70-130
Dibromochloromethane	10.00	11.13	ppbv	111	70-130
1,2-Dibromoethane	10.00	10.26	ppbv	103	70-130
Chlorobenzene	10.00	10.17	ppbv	102	70-130
Ethylbenzene	10.00	10.21	ppbv	102	70-130
m,p-Xylenes	20.00	20.71	ppbv	104	70-130
o-Xylene	10.00	10.31	ppbv	103	70-130
Styrene	10.00	10.63	ppbv	106	70-130
Bromoform	10.00	11.67	ppbv	117	70-130
1,1,2,2-Tetrachloroethane	10.00	10.96	ppbv	110	70-130
1,1,1,2-Tetrachloroethane	10.00	10.77	ppbv	108	70-130
4-Ethyltoluene	10.00	10.62	ppbv	106	70-130
1,3,5-Trimethylbenzene	10.00	10.53	ppbv	105	70-130

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159415 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,2,4-Trimethylbenzene	10.00	10.82	ppbv	108	70-130
1,3-Dichlorobenzene	10.00	10.32	ppbv	103	70-130
1,4-Dichlorobenzene	10.00	10.17	ppbv	102	70-130
Benzyl chloride	10.00	11.62	ppbv	116	70-130
1,2-Dichlorobenzene	10.00	10.14	ppbv	101	70-130
1,2,4-Trichlorobenzene	10.00	10.72	ppbv	107	70-130
Hexachlorobutadiene	10.00	9.990	ppbv	100	70-130
Naphthalene	10.00	11.45	ppbv	114	70-130

QC1159415 Surrogate	%REC	Limits
Bromofluorobenzene	99	60-140

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159416 **Batch#:** 342183 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/24 11:43 **Analyst:** ZNZ

QC1159416 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
1,1-Difluoroethane	10.00	10.33	ppbv	103	70-130	5	25
Freon 12	10.00	9.968	ppbv	100	70-130	0	25
Freon 114	10.00	10.04	ppbv	100	70-130	1	25
Chloromethane	10.00	11.54	ppbv	115	70-130	0	25
Vinyl Chloride	10.00	11.56	ppbv	116	70-130	0	25
Bromomethane	10.00	10.83	ppbv	108	70-130	1	25
Chloroethane	10.00	11.35	ppbv	113	70-130	1	25
Trichlorofluoromethane	10.00	9.504	ppbv	95	70-130	0	25
1,1-Dichloroethene	10.00	10.32	ppbv	103	70-130	0	25
Freon 113	10.00	9.784	ppbv	98	70-130	1	25
Acetone	10.00	11.28	ppbv	113	70-130	0	25
Carbon Disulfide	10.00	11.78	ppbv	118	70-130	1	25
Isopropanol (IPA)	10.00	9.229	ppbv	92	70-130	2	25
Methylene Chloride	10.00	10.57	ppbv	106	70-130	0	25
trans-1,2-Dichloroethene	10.00	9.502	ppbv	95	70-130	2	25
MTBE	10.00	9.305	ppbv	93	70-130	2	25
n-Hexane	10.00	10.16	ppbv	102	70-130	2	25
1,1-Dichloroethane	10.00	9.635	ppbv	96	70-130	2	25
Vinyl Acetate	10.00	8.677	ppbv	87	70-130	2	25
cis-1,2-Dichloroethene	10.00	9.586	ppbv	96	70-130	2	25
2-Butanone	10.00	9.923	ppbv	99	70-130	1	25
Chloroform	10.00	9.926	ppbv	99	70-130	1	25
1,1,1-Trichloroethane	10.00	9.908	ppbv	99	70-130	2	25
Carbon Tetrachloride	10.00	10.60	ppbv	106	70-130	2	25
Benzene	10.00	10.07	ppbv	101	70-130	2	25
1,2-Dichloroethane	10.00	9.324	ppbv	93	70-130	2	25
Trichloroethene	10.00	10.01	ppbv	100	70-130	1	25
1,2-Dichloropropane	10.00	9.888	ppbv	99	70-130	1	25
Bromodichloromethane	10.00	10.93	ppbv	109	70-130	2	25
cis-1,3-Dichloropropene	10.00	10.73	ppbv	107	70-130	2	25
4-Methyl-2-Pentanone	10.00	10.31	ppbv	103	70-130	2	25
Toluene	10.00	10.33	ppbv	103	70-130	1	25
trans-1,3-Dichloropropene	10.00	10.67	ppbv	107	70-130	2	25
1,1,2-Trichloroethane	10.00	10.17	ppbv	102	70-130	1	25
Tetrachloroethene	10.00	9.256	ppbv	93	70-130	1	25

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159416 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
2-Hexanone	10.00	10.49	ppbv	105	70-130	2	25
Dibromochloromethane	10.00	11.27	ppbv	113	70-130	1	25
1,2-Dibromoethane	10.00	10.41	ppbv	104	70-130	1	25
Chlorobenzene	10.00	10.26	ppbv	103	70-130	1	25
Ethylbenzene	10.00	10.37	ppbv	104	70-130	2	25
m,p-Xylenes	20.00	20.98	ppbv	105	70-130	1	25
o-Xylene	10.00	10.45	ppbv	105	70-130	1	25
Styrene	10.00	10.73	ppbv	107	70-130	1	25
Bromoform	10.00	11.77	ppbv	118	70-130	1	25
1,1,2,2-Tetrachloroethane	10.00	11.15	ppbv	111	70-130	2	25
1,1,1,2-Tetrachloroethane	10.00	10.93	ppbv	109	70-130	1	25
4-Ethyltoluene	10.00	10.75	ppbv	107	70-130	1	25
1,3,5-Trimethylbenzene	10.00	10.65	ppbv	107	70-130	1	25
1,2,4-Trimethylbenzene	10.00	10.98	ppbv	110	70-130	2	25
1,3-Dichlorobenzene	10.00	10.49	ppbv	105	70-130	2	25
1,4-Dichlorobenzene	10.00	10.31	ppbv	103	70-130	1	25
Benzyl chloride	10.00	12.01	ppbv	120	70-130	3	25
1,2-Dichlorobenzene	10.00	10.30	ppbv	103	70-130	2	25
1,2,4-Trichlorobenzene	10.00	10.99	ppbv	110	70-130	2	25
Hexachlorobutadiene	10.00	10.15	ppbv	101	70-130	2	25
Naphthalene	10.00	11.69	ppbv	117	70-130	2	25

QC1159416 Surrogate	%REC	Limits
Bromofluorobenzene	99	60-140

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159417 **Batch#:** 342183 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/24 14:05 **Analyst:** ZNZ

QC1159417 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1-Difluoroethane	ND	1.0	ppbv	ND	2.7	ug/m3
Freon 12	ND	0.20	ppbv	ND	0.99	ug/m3
Freon 114	ND	0.20	ppbv	ND	1.4	ug/m3
Chloromethane	ND	0.20	ppbv	ND	0.41	ug/m3
Vinyl Chloride	ND	0.20	ppbv	ND	0.51	ug/m3
Bromomethane	ND	0.20	ppbv	ND	0.78	ug/m3
Chloroethane	ND	0.20	ppbv	ND	0.53	ug/m3
Trichlorofluoromethane	ND	0.20	ppbv	ND	1.1	ug/m3
1,1-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
Freon 113	ND	0.20	ppbv	ND	1.5	ug/m3
Acetone	ND	1.0	ppbv	ND	2.4	ug/m3
Carbon Disulfide	ND	0.20	ppbv	ND	0.62	ug/m3
Isopropanol (IPA)	ND	1.0	ppbv	ND	2.5	ug/m3
Methylene Chloride	ND	0.20	ppbv	ND	0.69	ug/m3
trans-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
MTBE	ND	0.20	ppbv	ND	0.72	ug/m3
n-Hexane	ND	0.20	ppbv	ND	0.70	ug/m3
1,1-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
Vinyl Acetate	ND	1.0	ppbv	ND	3.5	ug/m3
cis-1,2-Dichloroethene	ND	0.20	ppbv	ND	0.79	ug/m3
2-Butanone	ND	1.0	ppbv	ND	2.9	ug/m3
Chloroform	ND	0.20	ppbv	ND	0.98	ug/m3
1,1,1-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Carbon Tetrachloride	ND	0.20	ppbv	ND	1.3	ug/m3
Benzene	ND	0.20	ppbv	ND	0.64	ug/m3
1,2-Dichloroethane	ND	0.20	ppbv	ND	0.81	ug/m3
Trichloroethene	ND	0.20	ppbv	ND	1.1	ug/m3
1,2-Dichloropropane	ND	0.20	ppbv	ND	0.92	ug/m3
Bromodichloromethane	ND	0.20	ppbv	ND	1.3	ug/m3
cis-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
4-Methyl-2-Pentanone	ND	0.20	ppbv	ND	0.82	ug/m3
Toluene	ND	0.20	ppbv	ND	0.75	ug/m3
trans-1,3-Dichloropropene	ND	0.20	ppbv	ND	0.91	ug/m3
1,1,2-Trichloroethane	ND	0.20	ppbv	ND	1.1	ug/m3
Tetrachloroethene	ND	0.20	ppbv	ND	1.4	ug/m3
2-Hexanone	ND	0.50	ppbv	ND	2.0	ug/m3
Dibromochloromethane	ND	0.20	ppbv	ND	1.7	ug/m3
1,2-Dibromoethane	ND	0.20	ppbv	ND	1.5	ug/m3
Chlorobenzene	ND	0.20	ppbv	ND	0.92	ug/m3
Ethylbenzene	ND	0.20	ppbv	ND	0.87	ug/m3
m,p-Xylenes	ND	0.40	ppbv	ND	1.7	ug/m3
o-Xylene	ND	0.20	ppbv	ND	0.87	ug/m3
Styrene	ND	0.20	ppbv	ND	0.85	ug/m3
Bromoform	ND	0.20	ppbv	ND	2.1	ug/m3
1,1,2,2-Tetrachloroethane	ND	0.20	ppbv	ND	1.4	ug/m3
1,1,1,2-Tetrachloroethane	ND	0.20	ppbv	ND	1.4	ug/m3
4-Ethyltoluene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3,5-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159417 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,2,4-Trimethylbenzene	ND	0.20	ppbv	ND	0.98	ug/m3
1,3-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,4-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
Benzyl chloride	ND	0.20	ppbv	ND	1.0	ug/m3
1,2-Dichlorobenzene	ND	0.20	ppbv	ND	1.2	ug/m3
1,2,4-Trichlorobenzene	ND	0.20	ppbv	ND	1.5	ug/m3
Hexachlorobutadiene	ND	0.20	ppbv	ND	2.1	ug/m3
Naphthalene	ND	1.0	ppbv	ND	5.2	ug/m3
Xylene (total)	ND	0.20	ppbv	ND	0.87	ug/m3

QC1159417 Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	100	60-140	ug/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159430 **Batch#:** 342189 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/24 11:13 **Analyst:** ZNZ

QC1159430 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,1-Difluoroethane	10.00	9.178	ppbv	92	70-130
Freon 12	10.00	8.838	ppbv	88	70-130
Freon 114	10.00	9.151	ppbv	92	70-130
Chloromethane	10.00	8.584	ppbv	86	70-130
Vinyl Chloride	10.00	8.746	ppbv	87	70-130
Bromomethane	10.00	9.058	ppbv	91	70-130
Chloroethane	10.00	8.654	ppbv	87	70-130
Trichlorofluoromethane	10.00	9.236	ppbv	92	70-130
1,1-Dichloroethene	10.00	9.115	ppbv	91	70-130
Freon 113	10.00	9.192	ppbv	92	70-130
Acetone	10.00	8.398	ppbv	84	70-130
Carbon Disulfide	10.00	9.347	ppbv	93	70-130
Isopropanol (IPA)	10.00	8.923	ppbv	89	70-130
Methylene Chloride	10.00	8.937	ppbv	89	70-130
trans-1,2-Dichloroethene	10.00	9.149	ppbv	91	70-130
MTBE	10.00	9.477	ppbv	95	70-130
n-Hexane	10.00	9.011	ppbv	90	70-130
1,1-Dichloroethane	10.00	9.235	ppbv	92	70-130
Vinyl Acetate	10.00	8.208	ppbv	82	70-130
cis-1,2-Dichloroethene	10.00	9.018	ppbv	90	70-130
2-Butanone	10.00	9.736	ppbv	97	70-130
Chloroform	10.00	9.261	ppbv	93	70-130
1,1,1-Trichloroethane	10.00	9.427	ppbv	94	70-130
Carbon Tetrachloride	10.00	9.254	ppbv	93	70-130
Benzene	10.00	9.131	ppbv	91	70-130
1,2-Dichloroethane	10.00	9.086	ppbv	91	70-130
Trichloroethene	10.00	9.670	ppbv	97	70-130
1,2-Dichloropropane	10.00	8.708	ppbv	87	70-130
Bromodichloromethane	10.00	9.583	ppbv	96	70-130
cis-1,3-Dichloropropene	10.00	9.711	ppbv	97	70-130
4-Methyl-2-Pentanone	10.00	9.860	ppbv	99	70-130
Toluene	10.00	9.828	ppbv	98	70-130
trans-1,3-Dichloropropene	10.00	9.895	ppbv	99	70-130
1,1,2-Trichloroethane	10.00	9.724	ppbv	97	70-130
Tetrachloroethene	10.00	10.42	ppbv	104	70-130
2-Hexanone	10.00	10.19	ppbv	102	70-130
Dibromochloromethane	10.00	10.03	ppbv	100	70-130
1,2-Dibromoethane	10.00	10.10	ppbv	101	70-130
Chlorobenzene	10.00	9.964	ppbv	100	70-130
Ethylbenzene	10.00	10.93	ppbv	109	70-130
m,p-Xylenes	20.00	22.19	ppbv	111	70-130
o-Xylene	10.00	11.24	ppbv	112	70-130
Styrene	10.00	11.33	ppbv	113	70-130
Bromoform	10.00	10.49	ppbv	105	70-130
1,1,2,2-Tetrachloroethane	10.00	10.29	ppbv	103	70-130
1,1,1,2-Tetrachloroethane	10.00	9.948	ppbv	99	70-130
4-Ethyltoluene	10.00	12.26	ppbv	123	70-130
1,3,5-Trimethylbenzene	10.00	11.28	ppbv	113	70-130

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159430 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,2,4-Trimethylbenzene	10.00	11.86	ppbv	119	70-130
1,3-Dichlorobenzene	10.00	10.34	ppbv	103	70-130
1,4-Dichlorobenzene	10.00	10.15	ppbv	102	70-130
Benzyl chloride	10.00	11.34	ppbv	113	70-130
1,2-Dichlorobenzene	10.00	10.74	ppbv	107	70-130
1,2,4-Trichlorobenzene	10.00	10.26	ppbv	103	70-130
Hexachlorobutadiene	10.00	10.24	ppbv	102	70-130
Naphthalene	10.00	11.42	ppbv	114	70-130

QC1159430 Surrogate	%REC	Limits
Bromofluorobenzene	110	60-140

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159431 **Batch#:** 342189 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/24 11:55 **Analyst:** ZNZ

QC1159431 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
1,1-Difluoroethane	10.00	9.039	ppbv	90	70-130	2	25
Freon 12	10.00	8.795	ppbv	88	70-130	0	25
Freon 114	10.00	9.173	ppbv	92	70-130	0	25
Chloromethane	10.00	8.575	ppbv	86	70-130	0	25
Vinyl Chloride	10.00	8.824	ppbv	88	70-130	1	25
Bromomethane	10.00	9.123	ppbv	91	70-130	1	25
Chloroethane	10.00	8.541	ppbv	85	70-130	1	25
Trichlorofluoromethane	10.00	9.163	ppbv	92	70-130	1	25
1,1-Dichloroethene	10.00	9.029	ppbv	90	70-130	1	25
Freon 113	10.00	9.422	ppbv	94	70-130	2	25
Acetone	10.00	8.771	ppbv	88	70-130	4	25
Carbon Disulfide	10.00	9.333	ppbv	93	70-130	0	25
Isopropanol (IPA)	10.00	8.883	ppbv	89	70-130	0	25
Methylene Chloride	10.00	9.009	ppbv	90	70-130	1	25
trans-1,2-Dichloroethene	10.00	8.898	ppbv	89	70-130	3	25
MTBE	10.00	9.241	ppbv	92	70-130	3	25
n-Hexane	10.00	8.947	ppbv	89	70-130	1	25
1,1-Dichloroethane	10.00	8.839	ppbv	88	70-130	4	25
Vinyl Acetate	10.00	7.982	ppbv	80	70-130	3	25
cis-1,2-Dichloroethene	10.00	8.952	ppbv	90	70-130	1	25
2-Butanone	10.00	9.432	ppbv	94	70-130	3	25
Chloroform	10.00	9.242	ppbv	92	70-130	0	25
1,1,1-Trichloroethane	10.00	9.420	ppbv	94	70-130	0	25
Carbon Tetrachloride	10.00	9.263	ppbv	93	70-130	0	25
Benzene	10.00	9.069	ppbv	91	70-130	1	25
1,2-Dichloroethane	10.00	9.010	ppbv	90	70-130	1	25
Trichloroethene	10.00	9.475	ppbv	95	70-130	2	25
1,2-Dichloropropane	10.00	8.504	ppbv	85	70-130	2	25
Bromodichloromethane	10.00	9.444	ppbv	94	70-130	1	25
cis-1,3-Dichloropropene	10.00	9.475	ppbv	95	70-130	2	25
4-Methyl-2-Pentanone	10.00	9.752	ppbv	98	70-130	1	25
Toluene	10.00	9.802	ppbv	98	70-130	0	25
trans-1,3-Dichloropropene	10.00	9.921	ppbv	99	70-130	0	25
1,1,2-Trichloroethane	10.00	9.547	ppbv	95	70-130	2	25
Tetrachloroethene	10.00	10.53	ppbv	105	70-130	1	25

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159431 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
2-Hexanone	10.00	10.13	ppbv	101	70-130	1	25
Dibromochloromethane	10.00	9.883	ppbv	99	70-130	1	25
1,2-Dibromoethane	10.00	9.967	ppbv	100	70-130	1	25
Chlorobenzene	10.00	9.597	ppbv	96	70-130	4	25
Ethylbenzene	10.00	10.54	ppbv	105	70-130	4	25
m,p-Xylenes	20.00	21.43	ppbv	107	70-130	3	25
o-Xylene	10.00	10.90	ppbv	109	70-130	3	25
Styrene	10.00	11.18	ppbv	112	70-130	1	25
Bromoform	10.00	10.17	ppbv	102	70-130	3	25
1,1,2,2-Tetrachloroethane	10.00	9.730	ppbv	97	70-130	6	25
1,1,1,2-Tetrachloroethane	10.00	9.652	ppbv	97	70-130	3	25
4-Ethyltoluene	10.00	11.72	ppbv	117	70-130	5	25
1,3,5-Trimethylbenzene	10.00	10.73	ppbv	107	70-130	5	25
1,2,4-Trimethylbenzene	10.00	11.18	ppbv	112	70-130	6	25
1,3-Dichlorobenzene	10.00	9.777	ppbv	98	70-130	6	25
1,4-Dichlorobenzene	10.00	9.546	ppbv	95	70-130	6	25
Benzyl chloride	10.00	10.44	ppbv	104	70-130	8	25
1,2-Dichlorobenzene	10.00	10.11	ppbv	101	70-130	6	25
1,2,4-Trichlorobenzene	10.00	9.434	ppbv	94	70-130	8	25
Hexachlorobutadiene	10.00	9.627	ppbv	96	70-130	6	25
Naphthalene	10.00	10.51	ppbv	105	70-130	8	25

QC1159431 Surrogate	%REC	Limits
Bromofluorobenzene	105	60-140

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 50953/ **Project#:** 1/ 97.0070S000

Client: RouxPAssoc-ates **Location:** AB&IPFoundiy

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159473 **Batch#:** 743129 **Analysis:** E8APTO 15

Matrix: A-i **Analyzed:** 0r 60/ 634P14:32 **Analyst:** ZNZ

QC1159432 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1 D-fluoioethane	ND	1.0	ppbv	ND	3./	ug6m7
FieonP13	ND	0.30	ppbv	ND	0.99	ug6m7
FieonP114	ND	0.30	ppbv	ND	1.4	ug6m7
Chloiomethane	ND	0.30	ppbv	ND	0.41	ug6m7
V-nylPChloi-de	ND	0.30	ppbv	ND	0.51	ug6m7
Biomomethane	ND	0.30	ppbv	ND	0./ 2	ug6m7
Chloioethane	ND	0.30	ppbv	ND	0.57	ug6m7
Ti-chloiofluoiomethane	ND	0.30	ppbv	ND	1.1	ug6m7
1,1 D-chloioethene	ND	0.30	ppbv	ND	0./ 9	ug6m7
FieonP117	ND	0.30	ppbv	ND	1.5	ug6m7
Acetone	ND	1.0	ppbv	ND	3.4	ug6m7
CaibonPD-sulf-de	ND	0.30	ppbv	ND	0.r 3	ug6m7
IsopiopanolP(I8A)	ND	1.0	ppbv	ND	3.5	ug6m7
MethylenePChloi-de	ND	0.30	ppbv	ND	0.r 9	ug6m7
tians 1,3 D-chloioethene	ND	0.30	ppbv	ND	0./ 9	ug6m7
MTBE	ND	0.30	ppbv	ND	0./ 3	ug6m7
n Hexane	ND	0.30	ppbv	ND	0./ 0	ug6m7
1,1 D-chloioethane	ND	0.30	ppbv	ND	0.21	ug6m7
V-nylPAcetate	ND	1.0	ppbv	ND	7.5	ug6m7
c-s 1,3 D-chloioethene	ND	0.30	ppbv	ND	0./ 9	ug6m7
3 Butanone	ND	1.0	ppbv	ND	3.9	ug6m7
Chloiofoim	ND	0.30	ppbv	ND	0.92	ug6m7
1,1,1 Ti-chloioethane	ND	0.30	ppbv	ND	1.1	ug6m7
CaibonPTetiachloi-de	ND	0.30	ppbv	ND	1.7	ug6m7
Benzene	ND	0.30	ppbv	ND	0.r 4	ug6m7
1,3 D-chloioethane	ND	0.30	ppbv	ND	0.21	ug6m7
Ti-chloioethene	ND	0.30	ppbv	ND	1.1	ug6m7
1,3 D-chloiopiopane	ND	0.30	ppbv	ND	0.93	ug6m7
Biomod-chloiomethane	ND	0.30	ppbv	ND	1.7	ug6m7
c-s 1,7 D-chloiopiopene	ND	0.30	ppbv	ND	0.91	ug6m7
4 Methyl 3 8entanone	ND	0.30	ppbv	ND	0.23	ug6m7
Toluene	ND	0.30	ppbv	ND	0./ 5	ug6m7
tians 1,7 D-chloiopiopene	ND	0.30	ppbv	ND	0.91	ug6m7
1,1,3 Ti-chloioethane	ND	0.30	ppbv	ND	1.1	ug6m7
Tetiachloioethene	ND	0.30	ppbv	ND	1.4	ug6m7
3 Hexanone	ND	0.50	ppbv	ND	3.0	ug6m7
D-biomochloiomethane	ND	0.30	ppbv	ND	1./	ug6m7
1,3 D-biomoethane	ND	0.30	ppbv	ND	1.5	ug6m7
Chloiobenzene	ND	0.30	ppbv	ND	0.93	ug6m7
Ethylbenzene	ND	0.30	ppbv	ND	0.2/	ug6m7
m,p Xylenes	ND	0.40	ppbv	ND	1./	ug6m7
o Xylene	ND	0.30	ppbv	ND	0.2/	ug6m7
Styiene	ND	0.30	ppbv	ND	0.25	ug6m7
Biomofoim	ND	0.30	ppbv	ND	3.1	ug6m7
1,1,3,3 Tetiachloioethane	ND	0.30	ppbv	ND	1.4	ug6m7
1,1,1,3 Tetiachloioethane	ND	0.30	ppbv	ND	1.4	ug6m7
4 Ethyltoluene	ND	0.30	ppbv	ND	0.92	ug6m7
1,7,5 Ti-methylbenzene	ND	0.30	ppbv	ND	0.92	ug6m7

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 50953/ **Project#:** 1/ 97.0070S000

Client: RouxP Assoc-ates **Location:** AB&IP Foundi y

QC1159432 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,3,4 Ti-methylbenzene	ND	0.30	ppbv	ND	0.92	ug6m7
1,7 D-chloi obenzene	ND	0.30	ppbv	ND	1.3	ug6m7
1,4 D-chloi obenzene	ND	0.30	ppbv	ND	1.3	ug6m7
BenzylP Chloi -de	ND	0.30	ppbv	ND	1.0	ug6m7
1,3 D-chloi obenzene	ND	0.30	ppbv	ND	1.3	ug6m7
1,3,4 Ti-chloi obenzene	ND	0.30	ppbv	ND	1.5	ug6m7
Hexachloi obutad-ene	ND	0.30	ppbv	ND	3.1	ug6m7
Naphthalene	ND	1.0	ppbv	ND	5.3	ug6m7
XyleneP (total)	ND	0.30	ppbv	ND	0.2/	ug6m7

QC1159432 Surrogate	%REC	Limits	Units (M)
Bi omofluoi obenzene	100	r 0 140	ug6m7

Legend

ND: NotP Detected

RL (V): Repoi t-ngP L-m-t

Result (M): ResultP nP massP un-ts

Result (V): ResultP nP olumeP un-ts

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509584 **Project#:** 1493.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159499 **Batch#:** 328891 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/82 13:33 **Analyst:** ZNZ

QC1159799 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,1-Difluoroethane	10.00	9.972	ppbv	100	40-130
Freon 18	10.00	9.481	ppbv	94	40-130
Freon 112	10.00	9.958	ppbv	100	40-130
Chloromethane	10.00	9.388	ppbv	93	40-130
Vinyl Chloride	10.00	9.585	ppbv	95	40-130
Bromomethane	10.00	9.768	ppbv	99	40-130
Chloroethane	10.00	9.209	ppbv	92	40-130
Trichlorofluoromethane	10.00	9.956	ppbv	100	40-130
1,1-Dichloroethene	10.00	9.402	ppbv	94	40-130
Freon 113	10.00	10.88	ppbv	108	40-130
Acetone	10.00	9.015	ppbv	90	40-130
Carbon Disulfide	10.00	10.02	ppbv	100	40-130
Isopropanol (IPA)	10.00	9.396	ppbv	92	40-130
Methylene Chloride	10.00	9.755	ppbv	99	40-130
trans-1,8-Dichloroethene	10.00	9.447	ppbv	97	40-130
MTBE	10.00	10.15	ppbv	101	40-130
n-Hexane	10.00	9.474	ppbv	97	40-130
1,1-Dichloroethane	10.00	10.05	ppbv	100	40-130
Vinyl Acetate	10.00	7.998	ppbv	90	40-130
cis-1,8-Dichloroethene	10.00	9.478	ppbv	97	40-130
8-Butanone	10.00	10.27	ppbv	105	40-130
Chloroform	10.00	10.00	ppbv	100	40-130
1,1,1-Trichloroethane	10.00	10.80	ppbv	108	40-130
Carbon Tetrachloride	10.00	9.900	ppbv	99	40-130
Benzene	10.00	9.769	ppbv	99	40-130
1,8-Dichloroethane	10.00	9.421	ppbv	94	40-130
Trichloroethene	10.00	10.34	ppbv	102	40-130
1,8-Dichloropropane	10.00	9.335	ppbv	93	40-130
Bromodichloromethane	10.00	10.89	ppbv	103	40-130
cis-1,3-Dichloropropene	10.00	10.87	ppbv	103	40-130
2-Methyl-8-Pentanone	10.00	10.29	ppbv	105	40-130
Toluene	10.00	10.55	ppbv	106	40-130
trans-1,3-Dichloropropene	10.00	10.55	ppbv	105	40-130
1,1,8-Trichloroethane	10.00	10.39	ppbv	102	40-130
Tetrachloroethene	10.00	11.19	ppbv	118	40-130
8-Hexanone	10.00	10.97	ppbv	110	40-130
Dibromochloromethane	10.00	10.65	ppbv	106	40-130
1,8-Dibromoethane	10.00	10.46	ppbv	107	40-130
Chlorobenzene	10.00	10.20	ppbv	102	40-130
Ethylbenzene	10.00	11.85	ppbv	118	40-130
m,p-Xylenes	80.00	83.88	ppbv	116	40-130
o-Xylene	10.00	11.71	ppbv	117	40-130
Styrene	10.00	11.56	ppbv	116	40-130
Bromoform	10.00	10.76	ppbv	109	40-130
1,1,8,8-Tetrachloroethane	10.00	10.42	ppbv	104	40-130
1,1,1,8-Tetrachloroethane	10.00	10.85	ppbv	108	40-130
2-Ethyltoluene	10.00	13.00	ppbv	130	40-130
1,3,5-Trimethylbenzene	10.00	11.95	ppbv	180	40-130

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509584 **Project#:** 1493.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159799 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,8,2-Trimethylbenzene	10.00	18.40	ppbv	184	40-130
1,3-Dichlorobenzene	10.00	11.04	ppbv	111	40-130
1,2-Dichlorobenzene	10.00	10.78	ppbv	107	40-130
Benzyl chloride	10.00	11.74	ppbv	119	40-130
1,8-Dichlorobenzene	10.00	11.24	ppbv	115	40-130
1,8,2-Trichlorobenzene	10.00	10.76	ppbv	109	40-130
Hexachlorobutadiene	10.00	10.94	ppbv	110	40-130
Naphthalene	10.00	18.80	ppbv	188	40-130

QC1159799 Surrogate	%REC	Limits
Bromofluorobenzene	107	60-120

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159700 **Batch#:** 328891 **Analysis:** EPA TO-15

Matrix: Air **Analyzed:** 06/07/82 12:14 **Analyst:** ZNZ

QC1159800 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
1,1-Difluoroethane	10.00	10.01	ppbv	100	40-130	0	85
Freon 18	10.00	9.646	ppbv	94	40-130	0	85
Freon 112	10.00	10.04	ppbv	101	40-130	1	85
Chloromethane	10.00	9.200	ppbv	92	40-130	1	85
Vinyl Chloride	10.00	9.564	ppbv	96	40-130	0	85
Bromomethane	10.00	9.906	ppbv	99	40-130	0	85
Chloroethane	10.00	9.317	ppbv	93	40-130	1	85
Trichlorofluoromethane	10.00	9.970	ppbv	100	40-130	0	85
1,1-Dichloroethene	10.00	9.705	ppbv	97	40-130	1	85
Freon 113	10.00	10.17	ppbv	108	40-130	0	85
Acetone	10.00	9.194	ppbv	98	40-130	8	85
Carbon Disulfide	10.00	10.09	ppbv	101	40-130	1	85
Isopropanol (IPA)	10.00	9.598	ppbv	96	40-130	8	85
Methylene Chloride	10.00	9.486	ppbv	94	40-130	1	85
trans-1,8-Dichloroethene	10.00	9.631	ppbv	96	40-130	8	85
MTBE	10.00	9.743	ppbv	99	40-130	3	85
n-Hexane	10.00	9.405	ppbv	94	40-130	1	85
1,1-Dichloroethane	10.00	9.600	ppbv	96	40-130	5	85
Vinyl Acetate	10.00	7.278	ppbv	75	40-130	6	85
cis-1,8-Dichloroethene	10.00	9.646	ppbv	94	40-130	1	85
8-Butanone	10.00	10.82	ppbv	108	40-130	8	85
Chloroform	10.00	9.950	ppbv	99	40-130	1	85
1,1,1-Trichloroethane	10.00	10.16	ppbv	108	40-130	0	85
Carbon Tetrachloride	10.00	9.943	ppbv	100	40-130	1	85
Benzene	10.00	9.741	ppbv	99	40-130	0	85
1,8-Dichloroethane	10.00	9.664	ppbv	94	40-130	1	85
Trichloroethene	10.00	10.37	ppbv	102	40-130	0	85
1,8-Dichloropropane	10.00	9.818	ppbv	98	40-130	1	85
Bromodichloromethane	10.00	10.88	ppbv	108	40-130	1	85
cis-1,3-Dichloropropene	10.00	10.16	ppbv	108	40-130	1	85
2-Methyl-8-Pentanone	10.00	10.69	ppbv	104	40-130	8	85
Toluene	10.00	10.61	ppbv	106	40-130	1	85
trans-1,3-Dichloropropene	10.00	10.53	ppbv	105	40-130	0	85
1,1,8-Trichloroethane	10.00	10.37	ppbv	102	40-130	0	85
Tetrachloroethene	10.00	11.34	ppbv	112	40-130	8	85

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509584 **Project#:** 1493.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1159800 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
8-Hexanone	10.00	11.03	ppbv	110	40-130	0	85
Dibromochloromethane	10.00	10.62	ppbv	106	40-130	0	85
1,8-Dibromoethane	10.00	10.43	ppbv	104	40-130	0	85
Chlorobenzene	10.00	10.28	ppbv	102	40-130	0	85
Ethylbenzene	10.00	11.19	ppbv	118	40-130	1	85
m,p-Xylenes	80.00	88.96	ppbv	115	40-130	1	85
o-Xylene	10.00	11.63	ppbv	116	40-130	8	85
Styrene	10.00	11.49	ppbv	117	40-130	8	85
Bromoform	10.00	10.76	ppbv	109	40-130	0	85
1,1,8,8-Tetrachloroethane	10.00	10.51	ppbv	105	40-130	8	85
1,1,1,8-Tetrachloroethane	10.00	10.20	ppbv	102	40-130	1	85
2-Ethyltoluene	10.00	18.40	ppbv	184	40-130	8	85
1,3,5-Trimethylbenzene	10.00	11.59	ppbv	116	40-130	3	85
1,8,2-Trimethylbenzene	10.00	18.84	ppbv	183	40-130	3	85
1,3-Dichlorobenzene	10.00	10.58	ppbv	105	40-130	5	85
1,2-Dichlorobenzene	10.00	10.17	ppbv	108	40-130	6	85
Benzyl chloride	10.00	11.17	ppbv	118	40-130	6	85
1,8-Dichlorobenzene	10.00	11.00	ppbv	110	40-130	2	85
1,8,2-Trichlorobenzene	10.00	10.81	ppbv	108	40-130	6	85
Hexachlorobutadiene	10.00	10.21	ppbv	102	40-130	5	85
Naphthalene	10.00	11.21	ppbv	112	40-130	4	85

QC1159800 Surrogate	%REC	Limits
Bromofluorobenzene	102	60-120

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 50952/ **Project#:** 1/ 97.0070S000

Client: RouxPAssoc-ates **Location:** AB&IPFoundiy

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1159401 **Batch#:** 732291 **Analysis:** E8APTO 15

Matrix: A-i **Analyzed:** 0r 6046 23P1 / :07 **Analyst:** ZNZ

QC1159801 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,1 D-fluoioethane	ND	1.0	ppbv	ND	2./	ug6m7
FieonP12	ND	0.20	ppbv	ND	0.99	ug6m7
FieonP13	ND	0.20	ppbv	ND	1.3	ug6m7
Chloiomethane	ND	0.20	ppbv	ND	0.31	ug6m7
V-nylPChloi-de	ND	0.20	ppbv	ND	0.51	ug6m7
Biomomethane	ND	0.20	ppbv	ND	0./ 4	ug6m7
Chloioethane	ND	0.20	ppbv	ND	0.57	ug6m7
Ti-chloiofluoiomethane	ND	0.20	ppbv	ND	1.1	ug6m7
1,1 D-chloioethene	ND	0.20	ppbv	ND	0./ 9	ug6m7
FieonP117	ND	0.20	ppbv	ND	1.5	ug6m7
Acetone	ND	1.0	ppbv	ND	2.3	ug6m7
CaibonPD-sulf-de	ND	0.20	ppbv	ND	0.r 2	ug6m7
IsopiopanolP(I8A)	ND	1.0	ppbv	ND	2.5	ug6m7
MethylenePChloi-de	ND	0.20	ppbv	ND	0.r 9	ug6m7
tians 1,2 D-chloioethene	ND	0.20	ppbv	ND	0./ 9	ug6m7
MTBE	ND	0.20	ppbv	ND	0./ 2	ug6m7
n Hexane	ND	0.20	ppbv	ND	0./ 0	ug6m7
1,1 D-chloioethane	ND	0.20	ppbv	ND	0.41	ug6m7
V-nylPAcetate	ND	1.0	ppbv	ND	7.5	ug6m7
c-s 1,2 D-chloioethene	ND	0.20	ppbv	ND	0./ 9	ug6m7
2 Butanone	ND	1.0	ppbv	ND	2.9	ug6m7
Chloiofoim	ND	0.20	ppbv	ND	0.94	ug6m7
1,1,1 Ti-chloioethane	ND	0.20	ppbv	ND	1.1	ug6m7
CaibonPTetiachloi-de	ND	0.20	ppbv	ND	1.7	ug6m7
Benzene	ND	0.20	ppbv	ND	0.r 3	ug6m7
1,2 D-chloioethane	ND	0.20	ppbv	ND	0.41	ug6m7
Ti-chloioethene	ND	0.20	ppbv	ND	1.1	ug6m7
1,2 D-chloiopiopane	ND	0.20	ppbv	ND	0.92	ug6m7
Biomod-chloiomethane	ND	0.20	ppbv	ND	1.7	ug6m7
c-s 1,7 D-chloiopiopene	ND	0.20	ppbv	ND	0.91	ug6m7
3 Methyl 2 8entanone	ND	0.20	ppbv	ND	0.42	ug6m7
Toluene	ND	0.20	ppbv	ND	0./ 5	ug6m7
tians 1,7 D-chloiopiopene	ND	0.20	ppbv	ND	0.91	ug6m7
1,1,2 Ti-chloioethane	ND	0.20	ppbv	ND	1.1	ug6m7
Tetiachloioethene	ND	0.20	ppbv	ND	1.3	ug6m7
2 Hexanone	ND	0.50	ppbv	ND	2.0	ug6m7
D-biomochloiomethane	ND	0.20	ppbv	ND	1./	ug6m7
1,2 D-biomoethane	ND	0.20	ppbv	ND	1.5	ug6m7
Chloiobenzene	ND	0.20	ppbv	ND	0.92	ug6m7
Ethylbenzene	ND	0.20	ppbv	ND	0.4/	ug6m7
m,p Xylenes	ND	0.30	ppbv	ND	1./	ug6m7
o Xylene	ND	0.20	ppbv	ND	0.4/	ug6m7
Styiene	ND	0.20	ppbv	ND	0.45	ug6m7
Biomofoim	ND	0.20	ppbv	ND	2.1	ug6m7
1,1,2,2 Tetiachloioethane	ND	0.20	ppbv	ND	1.3	ug6m7
1,1,1,2 Tetiachloioethane	ND	0.20	ppbv	ND	1.3	ug6m7
3 Ethyltoluene	ND	0.20	ppbv	ND	0.94	ug6m7
1,7,5 Ti-methylbenzene	ND	0.20	ppbv	ND	0.94	ug6m7

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 50952/ **Project#:** 1/ 97.0070S000

Client: RouxPAssoc-ates **Location:** AB&IPFoundiy

QC1159801 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1,2,3 Ti-methylbenzene	ND	0.20	ppbv	ND	0.94	ug6m7
1,7 D-chloiobenzene	ND	0.20	ppbv	ND	1.2	ug6m7
1,3 D-chloiobenzene	ND	0.20	ppbv	ND	1.2	ug6m7
BenzylPChloi-de	ND	0.20	ppbv	ND	1.0	ug6m7
1,2 D-chloiobenzene	ND	0.20	ppbv	ND	1.2	ug6m7
1,2,3 Ti-chloiobenzene	ND	0.20	ppbv	ND	1.5	ug6m7
Hexachloiobutad-ene	ND	0.20	ppbv	ND	2.1	ug6m7
Naphthalene	ND	1.0	ppbv	ND	5.2	ug6m7
XylenePtotal)	ND	0.20	ppbv	ND	0.4/	ug6m7

QC1159801 Surrogate	%REC	Limits	Units (M)
Biomofluoiobenzene	94	r0 130	ug6m7

Legend

ND: NotPDetected

RL (V): Repoit-ngPL-m-t

Result (M): ResultPnPmassPun-ts

Result (V): ResultPnPvolumePun-ts

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 20h29b **Project#:** 1bh4.0040S000

Client: Rf , xAPssf c-eul s **Location:** PB&IAvf , t diy

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150099 **Batch#:** 439432 **Analysis:** E8PATO 12

Matrix: P-i **Analyzed:** 05r10r93A1063 5 **Analyst:** / 7 /

QC1160022 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1:1 D-ZNf if l uoet l	10.00	h.320	aanp	h2	b0 140
vil f t A19	10.00	F.b11	aanp	Fb	b0 140
vil f t A113	10.00	h.31F	aanp	h3	b0 140
CoNif ml uoet l	10.00	F.bh5	aanp	FF	b0 140
V-t yMCoNi-dl	10.00	h.011	aanp	h0	b0 140
Bif mf ml uoet l	10.00	h.449	aanp	h4	b0 140
CoNif l uoet l	10.00	F.h41	aanp	Fh	b0 140
Ti-coNif ZNf if ml uoet l	10.00	h.3b1	aanp	h2	b0 140
1:1 D-coNif l uol t l	10.00	h.9bF	aanp	h4	b0 140
vil f t A114	10.00	h.F34	aanp	hF	b0 140
Pcl uf t l	10.00	h.0h3	aanp	h1	b0 140
Ceinf t AD-s, NZdl	10.00	h.FF5	aanp	hh	b0 140
Isf aif aet f MAl8P)	10.00	h.293	aanp	h2	b0 140
Ml uoyNt l ACoNi-dl	10.00	h.213	aanp	h2	b0 140
uiet s 1:9 D-coNif l uol t l	10.00	h.511	aanp	h5	b0 140
MTBE	10.00	10.04	aanp	100	b0 140
t Hl xet l	10.00	h.532	aanp	h5	b0 140
1:1 D-coNif l uoet l	10.00	h.54h	aanp	h5	b0 140
V-t yMPcl ueul	10.00	F.4Fh	aanp	F3	b0 140
c-s 1:9 D-coNif l uol t l	10.00	h.232	aanp	h2	b0 140
9 B, uet f t l	10.00	10.35	aanp	102	b0 140
CoNif Zl im	10.00	h.b0b	aanp	hb	b0 140
1:1:1 Ti-coNif l uoet l	10.00	h.h53	aanp	100	b0 140
Ceinf t ATl uiecoNi-dl	10.00	h.F09	aanp	hF	b0 140
Bl t zl t l	10.00	h.h0b	aanp	hh	b0 140
1:9 D-coNif l uoet l	10.00	h.40F	aanp	h4	b0 140
Ti-coNif l uol t l	10.00	10.44	aanp	104	b0 140
1:9 D-coNif aif aet l	10.00	h.1h5	aanp	h9	b0 140
Bif mf d-coNif ml uoet l	10.00	h.b2h	aanp	hF	b0 140
c-s 1:4 D-coNif aif al t l	10.00	10.12	aanp	109	b0 140
3 Ml uoyN9 8l t uet f t l	10.00	10.F2	aanp	10F	b0 140
Tf N,l t l	10.00	10.30	aanp	103	b0 140
uiet s 1:4 D-coNif aif al t l	10.00	10.2h	aanp	105	b0 140
1:1:9 Ti-coNif l uoet l	10.00	10.12	aanp	109	b0 140
Tl uiecoNif l uol t l	10.00	11.1b	aanp	119	b0 140
9 Hl xet f t l	10.00	11.12	aanp	119	b0 140
D-nif mf coNif ml uoet l	10.00	10.39	aanp	103	b0 140
1:9 D-nif mf l uoet l	10.00	10.59	aanp	105	b0 140
CoNif nl t zl t l	10.00	10.25	aanp	105	b0 140
Euoy Nl t zl t l	10.00	11.20	aanp	112	b0 140
m:a XyNt l s	90.00	94.22	aanp	11F	b0 140
f XyNt l	10.00	19.11	aanp	191	b0 140
Suyil t l	10.00	19.02	aanp	190	b0 140
Bif mf Zl im	10.00	11.9b	aanp	114	b0 140
1:1:9:9 Tl uiecoNif l uoet l	10.00	10.hb	aanp	110	b0 140
1:1:1:9 Tl uiecoNif l uoet l	10.00	10.35	aanp	102	b0 140
3 Euoy Nf N,l t l	10.00	14.09	aanp	140	b0 140
1:4:2 Ti-ml uoyNl t zl t l	10.00	19.10	aanp	191	b0 140

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 20h29b **Project#:** 1bh4.0040S000

Client: Rf , xAPssf c-eul s **Location:** PB&IAvf , t diy

QC1160022 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1:9:3 Ti-ml uoyNl t zl t l	10.00	19.b4	aanp	19b	b0 140
1:4 D-coNif nl t zl t l	10.00	11.9h	aanp	114	b0 140
1:3 D-coNif nl t zl t l	10.00	10.hb	aanp	110	b0 140
Bl t zyMcoNi-dl	10.00	19.31	aanp	193	b0 140
1:9 D-coNif nl t zl t l	10.00	11.b4	aanp	11b	b0 140
1:9:3 Ti-coNif nl t zl t l	10.00	11.94	aanp	119	b0 140
Hl xecoNif n, ued-l t l	10.00	11.45	aanp	113	b0 140
7eaouoeNt l	10.00	19.44	aanp	194	b0 140

QC1160022 Surrogate	%REC	Limits
Bif mf ZNf if nl t zl t l	114	50 130

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150094 **Batch#:** 439432 **Analysis:** E8PATO 12

Matrix: P-i **Analyzed:** 05r10r93A1640 **Analyst:** / 7 /

QC1160023 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
1:1 D-ZNf if l uoet l	10.00	h.321	aanp	h2	b0 140	0	92
vil f t A19	10.00	F.h14	aanp	Fh	b0 140	9	92
vil f t A113	10.00	h.5b3	aanp	hb	b0 140	4	92
CoNif ml uoet l	10.00	F.F3h	aanp	FF	b0 140	1	92
V-t yMCoNi-dl	10.00	h.0F2	aanp	h1	b0 140	1	92
Bif mf ml uoet l	10.00	h.32F	aanp	h2	b0 140	1	92
CoNif l uoet l	10.00	h.002	aanp	h0	b0 140	1	92
Ti-coNif ZNf if ml uoet l	10.00	h.252	aanp	h5	b0 140	1	92
1:1 D-coNif l uol t l	10.00	h.394	aanp	h3	b0 140	9	92
vil f t A114	10.00	10.01	aanp	100	b0 140	9	92
Pcl uf t l	10.00	h.11h	aanp	h1	b0 140	0	92
Ceinf t AD-s, NZdl	10.00	h.hhb	aanp	100	b0 140	1	92
Isf aif aet f M(Nl8P)	10.00	h.5bb	aanp	hb	b0 140	9	92
Ml uoyNt l ACoNi-dl	10.00	h.2F0	aanp	h5	b0 140	1	92
uiet s 1:9 D-coNif l uol t l	10.00	h.253	aanp	h5	b0 140	0	92
MTBE	10.00	10.01	aanp	100	b0 140	0	92
t Hl xet l	10.00	h.5b2	aanp	hb	b0 140	0	92
1:1 D-coNif l uoet l	10.00	h.230	aanp	h2	b0 140	1	92
V-t yMPcl ueul	10.00	F.49F	aanp	F4	b0 140	1	92
c-s 1:9 D-coNif l uol t l	10.00	h.F44	aanp	hF	b0 140	4	92
9 B, uet f t l	10.00	10.3h	aanp	102	b0 140	0	92
CoNif Zf im	10.00	h.h25	aanp	100	b0 140	4	92
1:1:1 Ti-coNif l uoet l	10.00	10.1F	aanp	109	b0 140	9	92
Ceinf t ATl uiecoNi-dl	10.00	10.04	aanp	100	b0 140	9	92
Bl t zl t l	10.00	10.13	aanp	101	b0 140	9	92
1:9 D-coNif l uoet l	10.00	h.2F5	aanp	h5	b0 140	4	92
Ti-coNif l uol t l	10.00	10.95	aanp	104	b0 140	1	92
1:9 D-coNif aif aet l	10.00	F.hh4	aanp	h0	b0 140	9	92
Bif mf d-coNif ml uoet l	10.00	h.F95	aanp	hF	b0 140	1	92
c-s 1:4 D-coNif aif al t l	10.00	10.93	aanp	109	b0 140	1	92
3 Ml uoyN9 8l t uet f t l	10.00	10.5h	aanp	10b	b0 140	1	92
Tf Nl t l	10.00	10.35	aanp	102	b0 140	1	92
uiet s 1:4 D-coNif aif al t l	10.00	10.51	aanp	105	b0 140	0	92
1:1:9 Ti-coNif l uoet l	10.00	10.92	aanp	104	b0 140	1	92
Tl uiecoNif l uol t l	10.00	11.11	aanp	111	b0 140	1	92

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 20h29b **Project#:** 1bh4.0040S000

Client: Rf , xÆPssf c-eul s **Location:** PB&lÆvf , t diy

QC1160023 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
9 Hl xet f t l	10.00	11.11	aanp	111	b0 140	0	92
D-nif mf coNlif ml uoet l	10.00	10.44	aanp	104	b0 140	1	92
1:9 D-nif mf l uoet l	10.00	10.2h	aanp	105	b0 140	0	92
CoNlif nl t zl t l	10.00	10.b0	aanp	10b	b0 140	1	92
EuoyNl t zl t l	10.00	11.29	aanp	112	b0 140	0	92
m:a XyNtl s	90.00	94.50	aanp	11F	b0 140	0	92
f XyNtl	10.00	19.01	aanp	190	b0 140	1	92
Suyil t l	10.00	19.39	aanp	193	b0 140	4	92
Bif mf Zlim	10.00	11.94	aanp	119	b0 140	0	92
1:1:9:9 Tl uiecoNlif l uoet l	10.00	10.b0	aanp	10b	b0 140	9	92
1:1:1:9 Tl uiecoNlif l uoet l	10.00	10.3F	aanp	102	b0 140	0	92
3 EuoyNf N,l t l	10.00	19.F5	aanp	19h	b0 140	1	92
1:4:2 Ti-ml uoyNl t zl t l	10.00	11.hb	aanp	190	b0 140	1	92
1:9:3 Ti-ml uoyNl t zl t l	10.00	19.35	aanp	192	b0 140	9	92
1:4 D-coNlif nl t zl t l	10.00	11.03	aanp	110	b0 140	9	92
1:3 D-coNlif nl t zl t l	10.00	10.bb	aanp	10F	b0 140	9	92
Bl t zyMcoNli-dl	10.00	19.05	aanp	191	b0 140	4	92
1:9 D-coNlif nl t zl t l	10.00	11.30	aanp	113	b0 140	4	92
1:9:3 Ti-coNlif nl t zl t l	10.00	10.b4	aanp	10b	b0 140	2	92
Hl xecoNlif n, ued-l t l	10.00	11.1F	aanp	119	b0 140	9	92
7 eaouoeNtl	10.00	19.00	aanp	190	b0 140	4	92

QC1160023 Surrogate	%REC	Limits
Bif mf ZNlf if nl t zl t l	10F	50 130

Ll gl t d

RPD: Rl N-upl ÆBl icl t u
D-Zil t cl

Result (V): Rl s, hÆt Æpf N,ml A,t -us

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 30F39b **Project#:** 1bF7.0070S000

Client: Rl f x8Assl c t ous **Location:** AB&l8rl f hd-y

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150094 **Batch#:** 749743 **Analysis:** E2A8TOPl3

Matrix: A - **Analyzed:** 05i10i948l7r16 **Analyst:** / N/

QC1160024 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:1PD Zf l -l uœet hu	ND	1.0	aanp	ND	9.b	f vig 7
m-ul h8l9	ND	0.90	aanp	ND	0.FF	f vig 7
m-ul h8l14	ND	0.90	aanp	ND	1.4	f vig 7
Ce,l -l g uœet hu	ND	0.90	aanp	ND	0.41	f vig 7
V hy,8Ce,l - du	ND	0.90	aanp	ND	0.31	f vig 7
B-l g l g uœet hu	ND	0.90	aanp	ND	0.b6	f vig 7
Ce,l -l uœet hu	ND	0.90	aanp	ND	0.37	f vig 7
T- ce,l -l Zf l -l g uœet hu	ND	0.90	aanp	ND	1.1	f vig 7
1:1PD ce,l -l uœeuhu	ND	0.90	aanp	ND	0.bF	f vig 7
m-ul h8l17	ND	0.90	aanp	ND	1.3	f vig 7
Acudl hu	ND	1.0	aanp	ND	9.4	f vig 7
Ct -nl h8D sf ,Zdu	ND	0.90	aanp	ND	0.59	f vig 7
Isl a-l at hl ,8(l2A)	ND	1.0	aanp	ND	9.3	f vig 7
Muœey,uhu8Ce,l - du	ND	0.90	aanp	ND	0.5F	f vig 7
o-t hsPl:9PD ce,l -l uœeuhu	ND	0.90	aanp	ND	0.bF	f vig 7
MTBE	ND	0.90	aanp	ND	0.b9	f vig 7
hPHuxt hu	ND	0.90	aanp	ND	0.b0	f vig 7
1:1PD ce,l -l uœet hu	ND	0.90	aanp	ND	0.61	f vig 7
V hy,8Acudl ou	ND	1.0	aanp	ND	7.3	f vig 7
c sPl:9PD ce,l -l uœeuhu	ND	0.90	aanp	ND	0.bF	f vig 7
9PBf dl hl hu	ND	1.0	aanp	ND	9.F	f vig 7
Ce,l -l Zf -g	ND	0.90	aanp	ND	0.F6	f vig 7
1:1:1PT- ce,l -l uœet hu	ND	0.90	aanp	ND	1.1	f vig 7
Ct -nl h8Tuo-t ce,l - du	ND	0.90	aanp	ND	1.7	f vig 7
Buhzuhu	ND	0.90	aanp	ND	0.54	f vig 7
1:9PD ce,l -l uœet hu	ND	0.90	aanp	ND	0.61	f vig 7
T- ce,l -l uœeuhu	ND	0.90	aanp	ND	1.1	f vig 7
1:9PD ce,l -l a-l at hu	ND	0.90	aanp	ND	0.F9	f vig 7
B-l g l d ce,l -l g uœet hu	ND	0.90	aanp	ND	1.7	f vig 7
c sPl:7PD ce,l -l a-l auhu	ND	0.90	aanp	ND	0.F1	f vig 7
4PMuœey,P9P2uhdl hl hu	ND	0.90	aanp	ND	0.69	f vig 7
Tl ,f uhu	ND	0.90	aanp	ND	0.b3	f vig 7
o-t hsPl:7PD ce,l -l a-l auhu	ND	0.90	aanp	ND	0.F1	f vig 7
1:1:9PT- ce,l -l uœet hu	ND	0.90	aanp	ND	1.1	f vig 7
Tuo-t ce,l -l uœeuhu	ND	0.90	aanp	ND	1.4	f vig 7
9PHuxt hl hu	ND	0.30	aanp	ND	9.0	f vig 7
D n-l g l ce,l -l g uœet hu	ND	0.90	aanp	ND	1.b	f vig 7
1:9PD n-l g l uœet hu	ND	0.90	aanp	ND	1.3	f vig 7
Ce,l -l nuhzuhu	ND	0.90	aanp	ND	0.F9	f vig 7
Eœey,nuhzuhu	ND	0.90	aanp	ND	0.6b	f vig 7
g :aPXy,uhus	ND	0.40	aanp	ND	1.b	f vig 7
l PXy,uhu	ND	0.90	aanp	ND	0.6b	f vig 7
Soy-uhu	ND	0.90	aanp	ND	0.63	f vig 7
B-l g l Zf -g	ND	0.90	aanp	ND	9.1	f vig 7
1:1:9:9PTuo-t ce,l -l uœet hu	ND	0.90	aanp	ND	1.4	f vig 7
1:1:1:9PTuo-t ce,l -l uœet hu	ND	0.90	aanp	ND	1.4	f vig 7
4PEœey,dl ,f uhu	ND	0.90	aanp	ND	0.F6	f vig 7
1:7:3PT- g uœey,nuhzuhu	ND	0.90	aanp	ND	0.F6	f vig 7

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 30F39b **Project#:** 1bF7.0070S000

Client: Rl f x8Assl c t ous **Location:** AB&l8rl f hd-y

QC1160024 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:9:4PT- g uœey,nuhzuhu	ND	0.90	aanp	ND	0.F6	f vig 7
1:7PD ce,l -l nuhzuhu	ND	0.90	aanp	ND	1.9	f vig 7
1:4PD ce,l -l nuhzuhu	ND	0.90	aanp	ND	1.9	f vig 7
Buhzy,8ce,l - du	ND	0.90	aanp	ND	1.0	f vig 7
1:9PD ce,l -l nuhzuhu	ND	0.90	aanp	ND	1.9	f vig 7
1:9:4PT- ce,l -l nuhzuhu	ND	0.90	aanp	ND	1.3	f vig 7
Huxt ce,l -l nf dd uhu	ND	0.90	aanp	ND	9.1	f vig 7
Nt aeœet ,uhu	ND	1.0	aanp	ND	3.9	f vig 7
Xy,uhu8(d dt ,)	ND	0.90	aanp	ND	0.6b	f vig 7

QC1160024 Surrogate	%REC	Limits	Units (M)
B-l g l Z,f l -l nuhzuhu	109	50P140	f vig 7

Luvuhd

ND: Nl dDuucaud

RL (V): Rual -ohv8L g o

Result (M): Rusf ,8h8g t ss8f h os

Result (V): Rusf ,8h8pl ,f g u8f h os

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 40F49b **Project#:** 1bF3.0030S000

Client: Rf , xAPssf c-eul s **Location:** PB&IAvf , t diy

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150094 **Batch#:** 329325 **Analysis:** E8PATO 14

Matrix: P-i **Analyzed:** 05r10r92A1062l **Analyst:** / 7/

QC1160025 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	Qual
1:1 D-ZNlf if l uoet l	10.00	h.h21	aanp	hh	b0 130	A
vil f t A19	10.00	h.1h9	aanp	h9	b0 130	A
vil f t A112	10.00	b.F12	aanp	bF	b0 130	A
CoNif ml uoet l	10.00	b.FF3	aanp	h0	b0 130	A
V-t yMCoNi-dl	10.00	h.992	aanp	h9	b0 130	A
Bif mf ml uoet l	10.00	h.5b2	aanp	hb	b0 130	A
CoNif l uoet l	10.00	h.11h	aanp	h1	b0 130	A
Ti-coNif ZNlf if ml uoet l	10.00	h.911	aanp	h9	b0 130	A
1:1 D-coNif l uol t l	10.00	h.15h	aanp	h9	b0 130	A
vil f t A113	10.00	h.352	aanp	h2	b0 130	A
Pcl uf t l	10.00	h.0h4	aanp	h1	b0 130	A
Ceinf t AD-s, NZdl	10.00	h.39b	aanp	h3	b0 130	A
Isf aif aet f M(l8P)	10.00	b.h34	aanp	bh	b0 130	A
Ml uoyNt l ACoNi-dl	10.00	h.944	aanp	h3	b0 130	A
uiet s 1:9 D-coNif l uol t l	10.00	h.22b	aanp	h2	b0 130	A
MTBE	10.00	h.39b	aanp	h3	b0 130	A
t Hl xet l	10.00	h.999	aanp	h9	b0 130	A
1:1 D-coNif l uoet l	10.00	h.b43	aanp	hh	b0 130	A
V-t yMPcl ueul	10.00	b.h90	aanp	bh	b0 130	A
c-s 1:9 D-coNif l uol t l	10.00	h.303	aanp	h3	b0 130	A
9 B, uet f t l	10.00	h.9F5	aanp	h3	b0 130	A
CoNif Zl im	10.00	h.434	aanp	h4	b0 130	A
1:1:1 Ti-coNif l uoet l	10.00	h.209	aanp	h2	b0 130	A
Ceinf t ATl uiecoNi-dl	10.00	h.9b9	aanp	h3	b0 130	A
Bl t zl t l	10.00	h.393	aanp	h3	b0 130	A
1:9 D-coNif l uoet l	10.00	h.11F	aanp	h1	b0 130	A
Ti-coNif l uol t l	10.00	F.913	aanp	F9	b0 130	A
1:9 D-coNif aif aet l	10.00	h.b94	aanp	hb	b0 130	A
Bif mf d-coNif ml uoet l	10.00	h.h22	aanp	hh	b0 130	A
c-s 1:3 D-coNif aif al t l	10.00	h.h44	aanp	hF	b0 130	A
2 Ml uoyN9 8l t uet f t l	10.00	h.941	aanp	h3	b0 130	A
Tf N,l t l	10.00	h.b51	aanp	hh	b0 130	A
uiet s 1:3 D-coNif aif al t l	10.00	h.2F3	aanp	h4	b0 130	A
1:1:9 Ti-coNif l uoet l	10.00	h.FFh	aanp	F0	b0 130	A
Tl uiecoNif l uol t l	10.00	F.h03	aanp	Fh	b0 130	A
9 Hl xet f t l	10.00	h.139	aanp	h1	b0 130	A
D-nif mf coNif ml uoet l	10.00	h.FF2	aanp	F0	b0 130	A
1:9 D-nif mf l uoet l	10.00	h.h51	aanp	hF	b0 130	A
CoNif nl t zl t l	10.00	F.09h	aanp	F0	b0 130	A
Euoy Nl t zl t l	10.00	F.52b	aanp	F5	b0 130	A
m:a XyNt l s	90.00	1F.h9	aanp	FF	b0 130	A
f XyNt l	10.00	10.1b	aanp	109	b0 130	A
Suyil t l	10.00	h.h04	aanp	hh	b0 130	A
Bif mf Zl im	10.00	F.0b5	aanp	F1	b0 130	A
1:1:9:9 Tl uiecoNif l uoet l	10.00	F.34b	aanp	F2	b0 130	A
1:1:1:9 Tl uiecoNif l uoet l	10.00	F.30b	aanp	F3	b0 130	A
2 Euoy Nf N,l t l	10.00	10.Fb	aanp	110	b0 130	A
1:3:4 Ti-ml uoyNl t zl t l	10.00	11.10	aanp	111	b0 130	A

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 40F49b **Project#:** 1bF3.0030S000

Client: Rf , xAPssf c-eu l s **Location:** PB&IAvf , t diy

QC1160025 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits		Qual
1:9:2 Ti-ml uoyNl t zl t l	10.00	11.9b	aanp	113	b0 130	A	
1:3 D-coNif nl t zl t l	10.00	10.3b	aanp	102	b0 130	A	
1:2 D-coNif nl t zl t l	10.00	10.91	aanp	109	b0 130	A	
Bl t zyMAcoNi-dl	10.00	F.442	aanp	F5	b0 130	A	
1:9 D-coNif nl t zl t l	10.00	10.4F	aanp	105	b0 130	A	
1:9:2 Ti-coNif nl t zl t l	10.00	F.19h	aanp	F1	b0 130	A	
Hl xecoNif n, ued-l t l	10.00	F.9F9	aanp	F3	b0 130	A	
7eaouoeNt l	10.00	b.b99	aanp	bb	b0 130		n

QC1160025 Surrogate	%REC	Limits
Bif mf ZNf if nl t zl t l	111	50 120

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150095 **Batch#:** 329325 **Analysis:** E8PATO 14

Matrix: P-i **Analyzed:** 05r10r92A16l5 **Analyst:** / 7/

QC1160026 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim	Qual
1:1 D-ZNf if l uoet l	10.00	h.bhb	aanp	hh	b0 130	1	94A	
vil f t A19	10.00	h.055	aanp	h1	b0 130	1	94A	
vil f t A112	10.00	b.hh2	aanp	bF	b0 130	0	94A	
CoNif ml uoet l	10.00	b.hb0	aanp	bF	b0 130	9	94A	
V-t yMACoNi-dl	10.00	h.1hF	aanp	h9	b0 130	0	94A	
Bif mf ml uoet l	10.00	h.492	aanp	h4	b0 130	9	94A	
CoNif l uoet l	10.00	b.F50	aanp	h0	b0 130	9	94A	
Ti-coNif ZNf if ml uoet l	10.00	b.Fh2	aanp	h0	b0 130	3	94A	
1:1 D-coNif l uol t l	10.00	b.F4F	aanp	h0	b0 130	3	94A	
vil f t A113	10.00	h.954	aanp	h3	b0 130	1	94A	
Pcl uf t l	10.00	b.b12	aanp	bb	b0 130	4	94A	
Ceinf t AD-s, NZdl	10.00	h.940	aanp	h9	b0 130	1	94A	
Isf aif aet f MA(l8P)	10.00	b.h15	aanp	bh	b0 130	0	94A	
Ml uoyNt l ACoNi-dl	10.00	h.945	aanp	h3	b0 130	0	94A	
uiet s 1:9 D-coNif l uol t l	10.00	h.9hb	aanp	h3	b0 130	9	94A	
MTBE	10.00	h.135	aanp	h1	b0 130	9	94A	
t Hl xet l	10.00	h.194	aanp	h1	b0 130	1	94A	
1:1 D-coNif l uoet l	10.00	h.49b	aanp	h4	b0 130	3	94A	
V-t yMPcl ueu	10.00	b.5FF	aanp	bb	b0 130	9	94A	
c-s 1:9 D-coNif l uol t l	10.00	h.1b9	aanp	h9	b0 130	9	94A	
9 B, uet f t l	10.00	h.10h	aanp	h1	b0 130	9	94A	
CoNif Zf im	10.00	h.200	aanp	h2	b0 130	9	94A	
1:1:1 Ti-coNif l uoet l	10.00	h.9F9	aanp	h3	b0 130	1	94A	
Ceinf t ATl uiecoNi-dl	10.00	h.9hb	aanp	h3	b0 130	0	94A	
Bl t zl t l	10.00	h.1h2	aanp	h9	b0 130	9	94A	
1:9 D-coNif l uoet l	10.00	b.F94	aanp	bF	b0 130	9	94A	
Ti-coNif l uol t l	10.00	h.F5F	aanp	F0	b0 130	3	94A	
1:9 D-coNif aif aet l	10.00	h.52F	aanp	h5	b0 130	1	94A	
Bif mf d-coNif ml uoet l	10.00	h.513	aanp	h5	b0 130	3	94A	
c-s 1:3 D-coNif aif al t l	10.00	h.5h4	aanp	hb	b0 130	9	94A	
2 Ml uoyN9 8l t uet f t l	10.00	h.01h	aanp	h0	b0 130	3	94A	
Tf N, l t l	10.00	h.5F3	aanp	hb	b0 130	1	94A	
uiet s 1:3 D-coNif aif al t l	10.00	h.490	aanp	h4	b0 130	0	94A	
1:1:9 Ti-coNif l uoet l	10.00	h.h93	aanp	hh	b0 130	9	94A	
Tl uiecoNif l uol t l	10.00	F.922	aanp	F9	b0 130	5	94A	

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 40F49b **Project#:** 1bF3.0030S000

Client: Rf , xÆPssf c-eul s **Location:** PB&lÆvf , t diy

QC1160026 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim	Qual
9 Hl xet f t l	10.00	h.03F	aanp	h0	b0 130	1	94 A	
D-nif mf coNif ml uoet l	10.00	h.h94	aanp	hh	b0 130	9	94 A	
1:9 D-nif mf l uoet l	10.00	h.b95	aanp	hb	b0 130	9	94 A	
CoNif nl t zl t l	10.00	h.F0b	aanp	hF	b0 130	1	94 A	
EuoyNl t zl t l	10.00	F.211	aanp	F2	b0 130	9	94 A	
m:a XyNtl s	90.00	1F.b0	aanp	FF	b0 130	1	94 A	
f XyNtl	10.00	F.F4h	aanp	100	b0 130	9	94 A	
Suyil t l	10.00	F.035	aanp	F0	b0 130	3	94 A	
Bif mf Zlim	10.00	F.0bh	aanp	F1	b0 130	0	94 A	
1:1:9:9 Tl uiecoNif l uoet l	10.00	F.1Fh	aanp	F9	b0 130	9	94 A	
1:1:1:9 Tl uiecoNif l uoet l	10.00	F.0b2	aanp	F1	b0 130	3	94 A	
2 EuoyNf N,l t l	10.00	10.h3	aanp	10h	b0 130	1	94 A	
1:3:4 Ti-ml uoyNl t zl t l	10.00	10.43	aanp	104	b0 130	4	94 A	
1:9:2 Ti-ml uoyNl t zl t l	10.00	10.hb	aanp	10F	b0 130	2	94 A	
1:3 D-coNif nl t zl t l	10.00	F.b33	aanp	Fb	b0 130	5	94 A	
1:2 D-coNif nl t zl t l	10.00	F.594	aanp	F5	b0 130	5	94 A	
Bl t zyMcoNi-dl	10.00	F.1h4	aanp	F9	b0 130	2	94 A	
1:9 D-coNif nl t zl t l	10.00	F.F1F	aanp	FF	b0 130	b	94 A	
1:9:2 Ti-coNif nl t zl t l	10.00	h.h31	aanp	hh	b0 130	3	94 A	
Hl xecoNif n, ued-l t l	10.00	h.41b	aanp	h4	b0 130	F	94 A	
7 eaouoeNtl	10.00	h.105	aanp	h1	b0 130	4	94	n

QC1160026 Surrogate	%REC	Limits
Bif mf ZNf if nl t zl t l	119	50 120

Ll gl t d

RPD: Rl Nsuupl ASl icl t u
D-Zil t cl

Result (V): Rl s, hAt Apf N,ml A,t -us

b: Sl l Aeiieupl

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 0m 94 **Project#:** 14m7.0070S000

Client: Rl f x8Assl c-t ous **Location:** AB&l8gl f hyiV

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150094 **Batch#:** 739735 **Analysis:** E2A8TOPl

Matrix: A-i **Analyzed:** 05r10r938l36 **Analyst:** / N/

QC1160027 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:1PD-Zfl il uœet hu	ND	1.0	aanp	ND	9.4	f brv 7
giul h8l9	ND	0.90	aanp	ND	0.mm	f brv 7
giul h8l13	ND	0.90	aanp	ND	1.3	f brv 7
Ce,l il v uœet hu	ND	0.90	aanp	ND	0.31	f brv 7
F-hV,8Ce,l i-yu	ND	0.90	aanp	ND	0. 1	f brv 7
Bil v l v uœet hu	ND	0.90	aanp	ND	0.4d	f brv 7
Ce,l il uœet hu	ND	0.90	aanp	ND	0. 7	f brv 7
Ti-ce,l il Zfl il v uœet hu	ND	0.90	aanp	ND	1.1	f brv 7
1:1PD-ce,l il uœeuhu	ND	0.90	aanp	ND	0.4m	f brv 7
giul h8l17	ND	0.90	aanp	ND	1.	f brv 7
Acudl hu	ND	1.0	aanp	ND	9.3	f brv 7
Ctinl h8D-sf ,Zyu	ND	0.90	aanp	ND	0.59	f brv 7
Isl ail at hl ,8(l2A)	ND	1.0	aanp	ND	9.	f brv 7
MuœeV,uhu8Ce,l i-yu	ND	0.90	aanp	ND	0.5m	f brv 7
oit hsPl:9PD-ce,l il uœeuhu	ND	0.90	aanp	ND	0.4m	f brv 7
MTBE	ND	0.90	aanp	ND	0.49	f brv 7
hPHuxt hu	ND	0.90	aanp	ND	0.40	f brv 7
1:1PD-ce,l il uœet hu	ND	0.90	aanp	ND	0.d1	f brv 7
F-hV,8Acudl ou	ND	1.0	aanp	ND	7.	f brv 7
c-sPl:9PD-ce,l il uœeuhu	ND	0.90	aanp	ND	0.4m	f brv 7
9PBf dl hl hu	ND	1.0	aanp	ND	9.m	f brv 7
Ce,l il Zl iv	ND	0.90	aanp	ND	0.md	f brv 7
1:1:1PTi-ce,l il uœet hu	ND	0.90	aanp	ND	1.1	f brv 7
Ctinl h8Tuoit ce,l i-yu	ND	0.90	aanp	ND	1.7	f brv 7
Buhzuhu	ND	0.90	aanp	ND	0.53	f brv 7
1:9PD-ce,l il uœet hu	ND	0.90	aanp	ND	0.d1	f brv 7
Ti-ce,l il uœeuhu	ND	0.90	aanp	ND	1.1	f brv 7
1:9PD-ce,l il ail at hu	ND	0.90	aanp	ND	0.m9	f brv 7
Bil v l y-ce,l il v uœet hu	ND	0.90	aanp	ND	1.7	f brv 7
c-sPl:7PD-ce,l il ail auhu	ND	0.90	aanp	ND	0.m1	f brv 7
3PMuœeV,P9P2uhdl hl hu	ND	0.90	aanp	ND	0.d9	f brv 7
Tl ,f uhu	ND	0.90	aanp	ND	0.4	f brv 7
oit hsPl:7PD-ce,l il ail auhu	ND	0.90	aanp	ND	0.m1	f brv 7
1:1:9PTi-ce,l il uœet hu	ND	0.90	aanp	ND	1.1	f brv 7
Tuoit ce,l il uœeuhu	ND	0.90	aanp	ND	1.3	f brv 7
9PHuxt hl hu	ND	0. 0	aanp	ND	9.0	f brv 7
D-nil v l ce,l il v uœet hu	ND	0.90	aanp	ND	1.4	f brv 7
1:9PD-nil v l uœet hu	ND	0.90	aanp	ND	1.	f brv 7
Ce,l il nuhzuhu	ND	0.90	aanp	ND	0.m9	f brv 7
EœeV,nuhzuhu	ND	0.90	aanp	ND	0.d4	f brv 7
v :aPXV,uhus	ND	0.30	aanp	ND	1.4	f brv 7
l PXV,uhu	ND	0.90	aanp	ND	0.d4	f brv 7
SdVuhu	ND	0.90	aanp	ND	0.d	f brv 7
Bil v l Zl iv	ND	0.90	aanp	ND	9.1	f brv 7
1:1:9:9PTuoit ce,l il uœet hu	ND	0.90	aanp	ND	1.3	f brv 7
1:1:1:9PTuoit ce,l il uœet hu	ND	0.90	aanp	ND	1.3	f brv 7
3PEœeV,dl ,f uhu	ND	0.90	aanp	ND	0.md	f brv 7
1:7: PTi-v uœeV,nuhzuhu	ND	0.90	aanp	ND	0.md	f brv 7

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 0m 94 **Project#:** 14m7.0070S000

Client: Rl f x8Assl c-t ous **Location:** AB&l8gl f hyiV

QC1160027 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:9:3PTi-v uœV,nuhzuhu	ND	0.90	aanp	ND	0.md	f brv 7
1:7PD-ce,l il nuhzuhu	ND	0.90	aanp	ND	1.9	f brv 7
1:3PD-ce,l il nuhzuhu	ND	0.90	aanp	ND	1.9	f brv 7
BuhzV,8ce,l i-yu	ND	0.90	aanp	ND	1.0	f brv 7
1:9PD-ce,l il nuhzuhu	ND	0.90	aanp	ND	1.9	f brv 7
1:9:3PTi-ce,l il nuhzuhu	ND	0.90	aanp	ND	1.	f brv 7
Huxt ce,l il nf d y-uhu	ND	0.90	aanp	ND	9.1	f brv 7
Nt aeœt ,uhu	ND	1.0	aanp	ND	.9	f brv 7
XV,uhu8(d d ,)	ND	0.90	aanp	ND	0.d4	f brv 7

QC1160027 Surrogate	%REC	Limits	Units (M)
Bil v l Z,f l il nuhzuhu	m9	50P130	f brv 7

Lubuhy

ND: Nl d Duœucœuy

RL (V): Rual i ehb8L-v -o

Result (M): Rusf ,8h8v t ss8f h-os

Result (V): Rusf ,8h8pl ,f v u8f h-os

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 30/ 34a
Project#: 1a/ 9.0090S000
Client: Rl f xAPssl c-t ous
Location: PB&IAvl f hdiy

Type: BS
Diln Fac: 1.000
Prep: METHOD
Lab ID: QC1150943
Batch#: 924229
Analysis: E8PATO 13
Matrix: P-i
Analyzed: 05r11r42A1064/
Analyst: 7: 7

QC1160325 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1Z1 D-Nsf l il uœet hu	10.00	/ .a42	nnpb	/ a	a0 190
viul hA14	10.00	/ .423	nnpb	/ 4	a0 190
viul hA112	10.00	/ ./ 34	nnpb	100	a0 190
Ce,l il F uœet hu	10.00	mm82	nnpb	m/	a0 190
V-hy,ACe,l i-du	10.00	/ .153	nnpb	/ 4	a0 190
Bil F l F uœet hu	10.00	/ .534	nnpb	/ a	a0 190
Ce,l il uœet hu	10.00	/ .05/	nnpb	/ 1	a0 190
Ti-ce,l il Nsf l il F uœet hu	10.00	/ .a54	nnpb	/ m	a0 190
1Z1 D-ce,l il uœeuhu	10.00	/ .243	nnpb	/ 2	a0 190
viul hA119	10.00	10.01	nnpb	100	a0 190
Pcudohu	10.00	m/ 2a	nnpb	m/	a0 190
Ct ipl hAD-sf ,Ndu	10.00	/ .m2/	nnpb	/ m	a0 190
Isl nil nt hl ,A(l8P)	10.00	m/ 41	nnpb	m/	a0 190
Muœey,uhuACe,l i-du	10.00	/ .521	nnpb	/ 5	a0 190
oit hs 1Z4 D-ce,l il uœeuhu	10.00	/ .2m9	nnpb	/ 3	a0 190
MTBE	10.00	/ ./ 1a	nnpb	/ /	a0 190
h Huxt hu	10.00	/ .205	nnpb	/ 2	a0 190
1Z1 D-ce,l il uœet hu	10.00	/ .3mm	nnpb	/ 5	a0 190
V-hy,APcudoou	10.00	m434	nnpb	m9	a0 190
c-s 1Z4 D-ce,l il uœeuhu	10.00	/ .25a	nnpb	/ 3	a0 190
4 Bfdohl hu	10.00	10.12	nnpb	101	a0 190
Ce,l il NliF	10.00	/ .a19	nnpb	/ a	a0 190
1Z1Z1 Ti-ce,l il uœet hu	10.00	/ .m55	nnpb	/ /	a0 190
Ct ipl hATuoit ce,l i-du	10.00	/ .aa1	nnpb	/ m	a0 190
Buhzuhu	10.00	/ .a20	nnpb	/ a	a0 190
1Z4 D-ce,l il uœet hu	10.00	/ .931	nnpb	/ 2	a0 190
Ti-ce,l il uœeuhu	10.00	10.9a	nnpb	102	a0 190
1Z4 D-ce,l il nil nt hu	10.00	m/ 99	nnpb	m/	a0 190
Bil F l d-ce,l il F uœet hu	10.00	/ .m51	nnpb	/ /	a0 190
c-s 1Z9 D-ce,l il nil nuhu	10.00	/ ./ 05	nnpb	/ /	a0 190
2 Muœey, 4 8uhdohl hu	10.00	10.2/	nnpb	103	a0 190
Tl ,f uhu	10.00	10.9/	nnpb	102	a0 190
oit hs 1Z9 D-ce,l il nil nuhu	10.00	10.0m	nnpb	101	a0 190
1Z1Z4 Ti-ce,l il uœet hu	10.00	10.0m	nnpb	101	a0 190
Tuoit ce,l il uœeuhu	10.00	11.94	nnpb	119	a0 190
4 Huxt hl hu	10.00	10.35	nnpb	105	a0 190
D-pil F l ce,l il F uœet hu	10.00	10.39	nnpb	103	a0 190
1Z4 D-pil F l uœet hu	10.00	10.3/	nnpb	105	a0 190
Ce,l il puhzuhu	10.00	10.51	nnpb	105	a0 190
Eœey,puhzuhu	10.00	11.95	nnpb	112	a0 190
F Zn Xy,uhus	40.00	49.12	nnpb	115	a0 190
l Xy,uhu	10.00	11./ 4	nnpb	11/	a0 190
Soyiuhu	10.00	11.aa	nnpb	11m	a0 190
Bil F l NliF	10.00	11.45	nnpb	119	a0 190
1Z1Z4Z4 Tuoit ce,l il uœet hu	10.00	10./ 1	nnpb	10/	a0 190
1Z1Z1Z4 Tuoit ce,l il uœet hu	10.00	10.21	nnpb	102	a0 190
2 Eœey,dl ,f uhu	10.00	14./ 4	nnpb	14/	a0 190
1Z9Z3 Ti-F uœey,puhzuhu	10.00	11.m/	nnpb	11/	a0 190

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 30/ 34a **Project#:** 1a/ 9.0090S000

Client: Rl f xÆPssl c-t ous **Location:** PB&IÆvl f hdiy

QC1160325 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1Z4Z2 Ti-F uœey,puhzuhu	10.00	14.34	nnpb	143	a0 190
1Z9 D-ce,l il puhzuhu	10.00	11.1/	nnpb	114	a0 190
1Z2 D-ce,l il puhzuhu	10.00	10./ 9	nnpb	10/	a0 190
Buhzy,Æce,l i-du	10.00	11.50	nnpb	115	a0 190
1Z4 D-ce,l il puhzuhu	10.00	11.5m	nnpb	11a	a0 190
1Z4Z2 Ti-ce,l il puhzuhu	10.00	11.1/	nnpb	114	a0 190
Huxt ce,l il pf d d-uhu	10.00	11.23	nnpb	112	a0 190
: t neœt ,uhu	10.00	14.4m	nnpb	149	a0 190

QC1160325 Surrogate	%REC	Limits
Bil F l N,f l il puhzuhu	112	50 120

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150945 **Batch#:** 924229 **Analysis:** E8PÆTO 13

Matrix: P-i **Analyzed:** 05r11r42Æ16l9 **Analyst:** 7: 7

QC1160326 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
1Z1 D-N,f l il uœet hu	10.00	/ .a40	nnpb	/ a	a0 190	0	43
viul hÆ14	10.00	/ .225	nnpb	/ 2	a0 190	4	43
viul hÆ112	10.00	10.11	nnpb	101	a0 190	4	43
Ce,l il F uœet hu	10.00	m/ / a	nnpb	/ 0	a0 190	4	43
V-hy,ÆCe,l i-du	10.00	/ .450	nnpb	/ 9	a0 190	1	43
Bil F l F uœet hu	10.00	/ .m99	nnpb	/ m	a0 190	4	43
Ce,l il uœet hu	10.00	/ .152	nnpb	/ 4	a0 190	1	43
Ti-ce,l il N,f l il F uœet hu	10.00	/ ./ / a	nnpb	100	a0 190	4	43
1Z1 D-ce,l il uœeuhu	10.00	/ .530	nnpb	/ 5	a0 190	4	43
viul hÆ119	10.00	10.40	nnpb	104	a0 190	4	43
Pcud hu	10.00	mma3	nnpb	m/	a0 190	1	43
Ct ipl hÆD-sf ,Ndu	10.00	10.09	nnpb	100	a0 190	4	43
Isl nil nt hl ,Æ(l8P)	10.00	/ .94m	nnpb	/ 9	a0 190	2	43
Muœey,uhuÆCe,l i-du	10.00	/ .5m1	nnpb	/ a	a0 190	0	43
o t hs 1Z4 D-ce,l il uœeuhu	10.00	/ .22m	nnpb	/ 2	a0 190	0	43
MTBE	10.00	/ ./ 13	nnpb	/ /	a0 190	0	43
h Huxt hu	10.00	/ .321	nnpb	/ 3	a0 190	1	43
1Z1 D-ce,l il uœet hu	10.00	/ .951	nnpb	/ 2	a0 190	4	43
V-hy,ÆPcud d ou	10.00	m10/	nnpb	m1	a0 190	4	43
c-s 1Z4 D-ce,l il uœeuhu	10.00	/ .31m	nnpb	/ 3	a0 190	1	43
4 Bf d hl hu	10.00	10.9a	nnpb	102	a0 190	4	43
Ce,l il N1iF	10.00	/ .m04	nnpb	/ m	a0 190	1	43
1Z1Z1 Ti-ce,l il uœet hu	10.00	10.0/	nnpb	101	a0 190	4	43
Ct ipl hÆTud d ce,l i-du	10.00	/ ./ 50	nnpb	100	a0 190	4	43
Buhzuhu	10.00	/ ./ 0/	nnpb	/ /	a0 190	4	43
1Z4 D-ce,l il uœet hu	10.00	/ .319	nnpb	/ 3	a0 190	4	43
Ti-ce,l il uœeuhu	10.00	10.9a	nnpb	102	a0 190	0	43
1Z4 D-ce,l il nil nt hu	10.00	mm/ 3	nnpb	m/	a0 190	0	43
Bil F l d-ce,l il F uœet hu	10.00	/ .m25	nnpb	/ m	a0 190	0	43
c-s 1Z9 D-ce,l il nil nuhu	10.00	10.01	nnpb	100	a0 190	1	43
2 Muœey, 4 8uhd hl hu	10.00	10.93	nnpb	109	a0 190	1	43
Tl ,f uhu	10.00	10.2a	nnpb	103	a0 190	1	43
o t hs 1Z9 D-ce,l il nil nuhu	10.00	10.92	nnpb	109	a0 190	9	43
1Z1Z4 Ti-ce,l il uœet hu	10.00	10.45	nnpb	109	a0 190	4	43
Tud d ce,l il uœeuhu	10.00	11.5/	nnpb	11a	a0 190	9	43

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 30/ 34a **Project#:** 1a/ 9.0090S000

Client: Rl f xÆPssl c-t ous **Location:** PB&IÆvl f hdiy

QC1160326 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
4 Huxt hl hu	10.00	10.m4	nnpb	10m	a0 190	4	43
D-pil F l ce,l il F uœet hu	10.00	10.9a	nnpb	102	a0 190	4	43
1Z4 D-pil F l uœet hu	10.00	10.5/	nnpb	10a	a0 190	1	43
Ce,l il puhzuhu	10.00	10.a5	nnpb	10m	a0 190	1	43
Eœey,puhzuhu	10.00	11.29	nnpb	112	a0 190	1	43
F Zn Xy,uhus	40.00	49.45	nnpb	115	a0 190	1	43
l Xy,uhu	10.00	11.m/	nnpb	11/	a0 190	0	43
Soyiuhu	10.00	14.4a	nnpb	149	a0 190	2	43
Bil F l NiF	10.00	11.4a	nnpb	119	a0 190	0	43
1Z1Z4Z4 Tuoit ce,l il uœet hu	10.00	10.55	nnpb	10a	a0 190	4	43
1Z1Z1Z4 Tuoit ce,l il uœet hu	10.00	10.21	nnpb	102	a0 190	0	43
2 Eœey,d ,f uhu	10.00	14.m9	nnpb	14m	a0 190	1	43
1Z9Z3 Ti-F uœey,puhzuhu	10.00	11.m0	nnpb	11m	a0 190	1	43
1Z4Z2 Ti-F uœey,puhzuhu	10.00	14.29	nnpb	142	a0 190	1	43
1Z9 D-ce,l il puhzuhu	10.00	11.19	nnpb	111	a0 190	1	43
1Z2 D-ce,l il puhzuhu	10.00	10.a3	nnpb	10a	a0 190	4	43
Buhzy,Æce,l i-du	10.00	11.52	nnpb	115	a0 190	0	43
1Z4 D-ce,l il puhzuhu	10.00	11.20	nnpb	112	a0 190	4	43
1Z4Z2 Ti-ce,l il puhzuhu	10.00	10.m5	nnpb	10/	a0 190	9	43
Huxt ce,l il pf d d-uhu	10.00	11.93	nnpb	119	a0 190	1	43
: t neœet ,uhu	10.00	11./ /	nnpb	140	a0 190	4	43

QC1160326 Surrogate	%REC	Limits
Bil F l N,f l il puhzuhu	110	50 120

Luguhd

RPD: Ru,t obuÆ8uicuho D-NWiuhcu

Result (V): Rusf ,cÆhÆol ,f F uÆh-os

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 0m 47 **Project#:** 17m9.0090S000

Client: Rl f x8Assl c-t ous **Location:** AB&l8gl f hyiV

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1150947 **Batch#:** 934339 **Analysis:** E2A8TOPl

Matrix: A-i **Analyzed:** 05r11r438136l0 **Analyst:** / N/

QC1160327 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:1PD-Zfl il uœet hu	ND	1.0	aanp	ND	4.7	f brv 9
giul h8l4	ND	0.40	aanp	ND	0.mm	f brv 9
giul h8l13	ND	0.40	aanp	ND	1.3	f brv 9
Ce,l il v uœet hu	ND	0.40	aanp	ND	0.31	f brv 9
F-hV,8Ce,l i-yu	ND	0.40	aanp	ND	0. 1	f brv 9
Bil v l v uœet hu	ND	0.40	aanp	ND	0.7d	f brv 9
Ce,l il uœet hu	ND	0.40	aanp	ND	0. 9	f brv 9
Ti-ce,l il Zfl il v uœet hu	ND	0.40	aanp	ND	1.1	f brv 9
1:1PD-ce,l il uœeuhu	ND	0.40	aanp	ND	0.7m	f brv 9
giul h8l19	ND	0.40	aanp	ND	1.	f brv 9
Acudl hu	ND	1.0	aanp	ND	4.3	f brv 9
Ctinl h8D-sf ,Zyu	ND	0.40	aanp	ND	0.54	f brv 9
Isl ail at hl ,8(l2A)	ND	1.0	aanp	ND	4.	f brv 9
MuœeV,uhu8Ce,l i-yu	ND	0.40	aanp	ND	0.5m	f brv 9
oit hsPl:4PD-ce,l il uœeuhu	ND	0.40	aanp	ND	0.7m	f brv 9
MTBE	ND	0.40	aanp	ND	0.74	f brv 9
hPHuxt hu	ND	0.40	aanp	ND	0.70	f brv 9
1:1PD-ce,l il uœet hu	ND	0.40	aanp	ND	0.d1	f brv 9
F-hV,8Acudl ou	ND	1.0	aanp	ND	9.	f brv 9
c-sPl:4PD-ce,l il uœeuhu	ND	0.40	aanp	ND	0.7m	f brv 9
4PBf dl hl hu	ND	1.0	aanp	ND	4.m	f brv 9
Ce,l il Zl iv	ND	0.40	aanp	ND	0.md	f brv 9
1:1:1PTi-ce,l il uœet hu	ND	0.40	aanp	ND	1.1	f brv 9
Ctinl h8Tuoit ce,l i-yu	ND	0.40	aanp	ND	1.9	f brv 9
Buhzuhu	ND	0.40	aanp	ND	0.53	f brv 9
1:4PD-ce,l il uœet hu	ND	0.40	aanp	ND	0.d1	f brv 9
Ti-ce,l il uœeuhu	ND	0.40	aanp	ND	1.1	f brv 9
1:4PD-ce,l il ail at hu	ND	0.40	aanp	ND	0.m4	f brv 9
Bil v l y-ce,l il v uœet hu	ND	0.40	aanp	ND	1.9	f brv 9
c-sPl:9PD-ce,l il ail auhu	ND	0.40	aanp	ND	0.m1	f brv 9
3PMuœeV,P4P2uhdl hl hu	ND	0.40	aanp	ND	0.d4	f brv 9
Tl ,f uhu	ND	0.40	aanp	ND	0.7	f brv 9
oit hsPl:9PD-ce,l il ail auhu	ND	0.40	aanp	ND	0.m1	f brv 9
1:1:4PTi-ce,l il uœet hu	ND	0.40	aanp	ND	1.1	f brv 9
Tuoit ce,l il uœeuhu	ND	0.40	aanp	ND	1.3	f brv 9
4PHuxt hl hu	ND	0. 0	aanp	ND	4.0	f brv 9
D-nil v l ce,l il v uœet hu	ND	0.40	aanp	ND	1.7	f brv 9
1:4PD-nil v l uœet hu	ND	0.40	aanp	ND	1.	f brv 9
Ce,l il nuhzuhu	ND	0.40	aanp	ND	0.m4	f brv 9
EœeV,nuhzuhu	ND	0.40	aanp	ND	0.d7	f brv 9
v :aPXV,uhus	ND	0.30	aanp	ND	1.7	f brv 9
l PXV,uhu	ND	0.40	aanp	ND	0.d7	f brv 9
SdVuhu	ND	0.40	aanp	ND	0.d	f brv 9
Bil v l Zl iv	ND	0.40	aanp	ND	4.1	f brv 9
1:1:4:4PTuoit ce,l il uœet hu	ND	0.40	aanp	ND	1.3	f brv 9
1:1:1:4PTuoit ce,l il uœet hu	ND	0.40	aanp	ND	1.3	f brv 9
3PEœeV,dl ,f uhu	ND	0.40	aanp	ND	0.md	f brv 9
1:9: PTi-v uœeV,nuhzuhu	ND	0.40	aanp	ND	0.md	f brv 9

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 0m 47 **Project#:** 17m9.0090S000

Client: Rl f x8Assl c-t ous **Location:** AB&l8gl f hyiV

QC1160327 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
1:4:3PTi-v uœV,nuhzuhu	ND	0.40	aanp	ND	0.md	f brv 9
1:9PD-ce,l il nuhzuhu	ND	0.40	aanp	ND	1.4	f brv 9
1:3PD-ce,l il nuhzuhu	ND	0.40	aanp	ND	1.4	f brv 9
BuhzV,8ce,l i-yu	ND	0.40	aanp	ND	1.0	f brv 9
1:4PD-ce,l il nuhzuhu	ND	0.40	aanp	ND	1.4	f brv 9
1:4:3PTi-ce,l il nuhzuhu	ND	0.40	aanp	ND	1.	f brv 9
Huxt ce,l il nf d y-uhu	ND	0.40	aanp	ND	4.1	f brv 9
Nt aeœt ,uhu	ND	1.0	aanp	ND	.4	f brv 9
XV,uhu8(d d ,)	ND	0.40	aanp	ND	0.d7	f brv 9

QC1160327 Surrogate	%REC	Limits	Units (M)
Bil v l Z,f l il nuhzuhu	10m	50P130	f brv 9

Lubuhy

ND: Nl d Duœucœuy

RL (V): Rual i ehb8L-v -o

Result (M): Rusf ,8h8v t ss8f h-os

Result (V): Rusf ,8h8pl ,f v u8f h-os

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-41-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/30/24 **Analysis:** ASTM D1946
Lab ID: 509527-001 **Received:** 06/04/24 **Analyst:** JSA

509527-001 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Monoxide	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Dioxide	**0.92**	0.20	%v/v	2.000	341956	06/05/24
Oxygen	**13**	0.20	%v/v	2.000	341956	06/05/24
Methane	ND	0.20	%v/v	2.000	341956	06/05/24
Nitrogen	**83**	10	%v/v	2.000	341956	06/05/24

Field ID: SVP-41-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/30/24 **Analysis:** ASTM D1946
Lab ID: 509527-002 **Received:** 06/04/24 **Analyst:** JSA

509527-002 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Monoxide	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Dioxide	**3.2**	0.20	%v/v	2.000	341956	06/05/24
Oxygen	**3.2**	0.20	%v/v	2.000	341956	06/05/24
Methane	ND	0.20	%v/v	2.000	341956	06/05/24
Nitrogen	**89**	10	%v/v	2.000	341956	06/05/24

Field ID: SVP-45-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/30/24 **Analysis:** ASTM D1946
Lab ID: 509527-003 **Received:** 06/04/24 **Analyst:** JSA

509527-003 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.22	%v/v	2.200	341956	06/05/24
Carbon Monoxide	ND	0.22	%v/v	2.200	341956	06/05/24
Carbon Dioxide	**2.1**	0.22	%v/v	2.200	341956	06/05/24
Oxygen	ND	0.22	%v/v	2.200	341956	06/05/24
Methane	**6.0**	0.22	%v/v	2.200	341956	06/05/24
Nitrogen	**87**	11	%v/v	2.200	341956	06/05/24

Field ID: SVP-53-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/30/24 **Analysis:** ASTM D1946
Lab ID: 509527-004 **Received:** 06/04/24 **Analyst:** JSA

509527-004 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Monoxide	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Dioxide	**0.46**	0.20	%v/v	2.000	341956	06/05/24
Oxygen	ND	0.20	%v/v	2.000	341956	06/05/24
Methane	**5.3**	0.20	%v/v	2.000	341956	06/05/24
Nitrogen	**89**	10	%v/v	2.000	341956	06/05/24

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-53-8 **Matrix:** Air **Prep:** METHOD

Type: SAMPLE **Sampled:** 05/30/24 **Analysis:** ASTM D1946

Lab ID: 509527-005 **Received:** 06/04/24 **Analyst:** JSA

509527-005 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.22	%v/v	2.200	341956	06/05/24
Carbon Monoxide	ND	0.22	%v/v	2.200	341956	06/05/24
Carbon Dioxide	**1.1**	0.22	%v/v	2.200	341956	06/05/24
Oxygen	**12**	0.22	%v/v	2.200	341956	06/05/24
Methane	**0.69**	0.22	%v/v	2.200	341956	06/05/24
Nitrogen	**82**	11	%v/v	2.200	341956	06/05/24

Field ID: SVP-06-5 **Matrix:** Air **Prep:** METHOD

Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946

Lab ID: 509527-006 **Received:** 06/04/24 **Analyst:** JSA

509527-006 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Monoxide	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Dioxide	**15**	0.21	%v/v	2.100	341956	06/05/24
Oxygen	ND	0.21	%v/v	2.100	341956	06/05/24
Methane	**2.8**	0.21	%v/v	2.100	341956	06/05/24
Nitrogen	**77**	11	%v/v	2.100	341956	06/05/24

Field ID: SVP-06-8 **Matrix:** Air **Prep:** METHOD

Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946

Lab ID: 509527-007 **Received:** 06/04/24 **Analyst:** JSA

509527-007 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Monoxide	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Dioxide	**14**	0.20	%v/v	2.000	341956	06/05/24
Oxygen	ND	0.20	%v/v	2.000	341956	06/05/24
Methane	**2.8**	0.20	%v/v	2.000	341956	06/05/24
Nitrogen	**79**	10	%v/v	2.000	341956	06/05/24

Field ID: SVP-25-8 **Matrix:** Air **Prep:** METHOD

Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946

Lab ID: 509527-008 **Received:** 06/04/24 **Analyst:** JSA

509527-008 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Monoxide	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Dioxide	**1.1**	0.21	%v/v	2.100	341956	06/05/24
Oxygen	**18**	0.21	%v/v	2.100	341956	06/05/24
Methane	ND	0.21	%v/v	2.100	341956	06/05/24
Nitrogen	**76**	11	%v/v	2.100	341956	06/05/24

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-36-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946
Lab ID: 509527-009 **Received:** 06/04/24 **Analyst:** JSA

509527-009 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Monoxide	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Dioxide	**0.46**	0.24	%v/v	2.400	341956	06/05/24
Oxygen	**9.2**	0.24	%v/v	2.400	341956	06/05/24
Methane	**16**	0.24	%v/v	2.400	341956	06/05/24
Nitrogen	**68**	12	%v/v	2.400	341956	06/05/24

Field ID: SVP-13-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-010 **Received:** 06/04/24 **Analyst:** JSA

509527-010 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Monoxide	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Dioxide	**0.68**	0.24	%v/v	2.400	341956	06/05/24
Oxygen	**16**	0.24	%v/v	2.400	341956	06/05/24
Methane	**0.25**	0.24	%v/v	2.400	341956	06/05/24
Nitrogen	**78**	12	%v/v	2.400	341956	06/05/24

Field ID: SVP-10-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-011 **Received:** 06/04/24 **Analyst:** JSA

509527-011 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	**0.36**	0.23	%v/v	2.300	341956	06/05/24
Carbon Monoxide	ND	0.23	%v/v	2.300	341956	06/05/24
Carbon Dioxide	**0.78**	0.23	%v/v	2.300	341956	06/05/24
Oxygen	**12**	0.23	%v/v	2.300	341956	06/05/24
Methane	**0.86**	0.23	%v/v	2.300	341956	06/05/24
Nitrogen	**82**	12	%v/v	2.300	341956	06/05/24

Field ID: SVP-10-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-012 **Received:** 06/04/24 **Analyst:** JSA

509527-012 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.17	%v/v	1.700	341956	06/05/24
Carbon Monoxide	ND	0.17	%v/v	1.700	341956	06/05/24
Carbon Dioxide	**4.0**	0.17	%v/v	1.700	341956	06/05/24
Oxygen	**14**	0.17	%v/v	1.700	341956	06/05/24
Methane	ND	0.17	%v/v	1.700	341956	06/05/24
Nitrogen	**79**	8.5	%v/v	1.700	341956	06/05/24

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-DUP-01 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-013 **Received:** 06/04/24 **Analyst:** JSA

509527-013 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.17	%v/v	1.700	341956	06/05/24
Carbon Monoxide	ND	0.17	%v/v	1.700	341956	06/05/24
Carbon Dioxide	**4.0**	0.17	%v/v	1.700	341956	06/05/24
Oxygen	**14**	0.17	%v/v	1.700	341956	06/05/24
Methane	ND	0.17	%v/v	1.700	341956	06/05/24
Nitrogen	**79**	8.5	%v/v	1.700	341956	06/05/24

Field ID: SVP-13-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-014 **Received:** 06/04/24 **Analyst:** JSA

509527-014 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Monoxide	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Dioxide	**17**	0.21	%v/v	2.100	341956	06/05/24
Oxygen	ND	0.21	%v/v	2.100	341956	06/05/24
Methane	**52**	0.32	%v/v	3.150	342065	06/06/24
Nitrogen	**28**	11	%v/v	2.100	341956	06/05/24

Field ID: SVP-DUP-02 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-015 **Received:** 06/04/24 **Analyst:** JSA

509527-015 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Monoxide	ND	0.21	%v/v	2.100	341956	06/05/24
Carbon Dioxide	**17**	0.21	%v/v	2.100	341956	06/05/24
Oxygen	ND	0.21	%v/v	2.100	341956	06/05/24
Methane	**52**	0.32	%v/v	3.150	342065	06/06/24
Nitrogen	**28**	11	%v/v	2.100	341956	06/05/24

Field ID: SVP-62-4 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-016 **Received:** 06/04/24 **Analyst:** JSA

509527-016 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Monoxide	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Dioxide	**0.41**	0.24	%v/v	2.400	341956	06/05/24
Oxygen	**17**	0.24	%v/v	2.400	341956	06/05/24
Methane	**1.9**	0.24	%v/v	2.400	341956	06/05/24
Nitrogen	**75**	12	%v/v	2.400	341956	06/05/24

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-DUP-03 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-017 **Received:** 06/04/24 **Analyst:** JSA

509527-017 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Monoxide	ND	0.24	%v/v	2.400	341956	06/05/24
Carbon Dioxide	**0.42**	0.24	%v/v	2.400	341956	06/05/24
Oxygen	**17**	0.24	%v/v	2.400	341956	06/05/24
Methane	**1.9**	0.24	%v/v	2.400	341956	06/05/24
Nitrogen	**75**	12	%v/v	2.400	341956	06/05/24

Field ID: SVP-57-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-018 **Received:** 06/04/24 **Analyst:** JSA

509527-018 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.23	%v/v	2.300	341956	06/05/24
Carbon Monoxide	ND	0.23	%v/v	2.300	341956	06/05/24
Carbon Dioxide	**0.48**	0.23	%v/v	2.300	341956	06/05/24
Oxygen	ND	0.23	%v/v	2.300	341956	06/05/24
Methane	**24**	0.23	%v/v	2.300	341956	06/05/24
Nitrogen	**70**	12	%v/v	2.300	341956	06/05/24

Field ID: SVP-32-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946
Lab ID: 509527-019 **Received:** 06/04/24 **Analyst:** JSA

509527-019 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Monoxide	ND	0.20	%v/v	2.000	341956	06/05/24
Carbon Dioxide	**1.6**	0.20	%v/v	2.000	341956	06/05/24
Oxygen	ND	0.20	%v/v	2.000	341956	06/05/24
Methane	**2.5**	0.20	%v/v	2.000	341956	06/05/24
Nitrogen	**91**	10	%v/v	2.000	341956	06/05/24

Field ID: SVP-52-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 05/31/24 **Analysis:** ASTM D1946
Lab ID: 509527-020 **Received:** 06/04/24 **Analyst:** JSA

509527-020 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.23	%v/v	2.300	341956	06/05/24
Carbon Monoxide	ND	0.23	%v/v	2.300	341956	06/05/24
Carbon Dioxide	**1.1**	0.23	%v/v	2.300	341956	06/05/24
Oxygen	**19**	0.23	%v/v	2.300	341956	06/05/24
Methane	ND	0.23	%v/v	2.300	341956	06/05/24
Nitrogen	**77**	12	%v/v	2.300	341956	06/05/24

Enthalpy Analytical - Orange Analytical Report

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-25-5 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-021 **Received:** 06/04/24 **Analyst:** JSA

509527-021 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	ND	0.24	%v/v	2.400	342065	06/06/24
Carbon Monoxide	ND	0.24	%v/v	2.400	342065	06/06/24
Carbon Dioxide	**3.1**	0.24	%v/v	2.400	342065	06/06/24
Oxygen	**16**	0.24	%v/v	2.400	342065	06/06/24
Methane	**0.49**	0.24	%v/v	2.400	342065	06/06/24
Nitrogen	**75**	12	%v/v	2.400	342065	06/06/24

Field ID: SVP-36-8 **Matrix:** Air **Prep:** METHOD
Type: SAMPLE **Sampled:** 06/03/24 **Analysis:** ASTM D1946
Lab ID: 509527-022 **Received:** 06/04/24 **Analyst:** JSA

509527-022 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed
Helium	**0.39**	0.26	%v/v	2.600	342065	06/06/24
Carbon Monoxide	ND	0.26	%v/v	2.600	342065	06/06/24
Carbon Dioxide	**1.0**	0.26	%v/v	2.600	342065	06/06/24
Oxygen	**14**	0.26	%v/v	2.600	342065	06/06/24
Methane	**1.9**	0.26	%v/v	2.600	342065	06/06/24
Nitrogen	**78**	13	%v/v	2.600	342065	06/06/24

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC1158637 **Batch#:** 341956 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 06/05/24 **Analyst:** JSA

QC1158637 Analyte	Result	RL	Units
Helium	ND	0.10	%v/v
Carbon Monoxide	ND	0.10	%v/v
Carbon Dioxide	ND	0.10	%v/v
Oxygen	ND	0.10	%v/v
Methane	ND	0.10	%v/v
Nitrogen	ND	5.0	%v/v

Type: BLANK **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC1158981 **Batch#:** 342065 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 06/06/24 **Analyst:** JSA

QC1158981 Analyte	Result	RL	Units
Helium	ND	0.10	%v/v
Carbon Monoxide	ND	0.10	%v/v
Carbon Dioxide	ND	0.10	%v/v
Oxygen	ND	0.10	%v/v
Methane	ND	0.10	%v/v
Nitrogen	ND	5.0	%v/v

Legend
ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC1158635 **Batch#:** 341956 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 06/05/24 **Analyst:** JSA

QC1158635 Analyte	Spiked	Result	%REC	Limits	Units
Helium	10.00	10.66	107	85-115	%v/v
Carbon Monoxide	5.000	4.916	98	85-115	%v/v
Carbon Dioxide	5.000	4.389	88	85-115	%v/v
Oxygen	3.500	3.563	102	85-115	%v/v
Methane	5.000	4.853	97	85-115	%v/v
Nitrogen	5.000	5.346	107	85-115	%v/v

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD
Lab ID: QC1158636 **Batch#:** 341956 **Analysis:** ASTM D1946
Matrix: Air **Analyzed:** 06/05/24 **Analyst:** JSA

QC1158636 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Helium	10.00	10.68	107	85-115	%v/v	0	10
Carbon Monoxide	5.000	4.826	97	85-115	%v/v	2	10
Carbon Dioxide	5.000	4.349	87	85-115	%v/v	1	10
Oxygen	3.500	3.518	101	85-115	%v/v	1	10
Methane	5.000	4.823	96	85-115	%v/v	1	10
Nitrogen	5.000	5.335	107	85-115	%v/v	0	10

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	SVP-32-8	**Diln Fac:**	2.000	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	341956	**Analysis:**	ASTM D1946
MSS Lab ID:	509527-019	**Sampled:**	05/31/24	**Analyst:**	JSA
Lab ID:	QC1158638	**Received:**	06/04/24		
Matrix:	Air	**Analyzed:**	06/05/24		

QC1158638 Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	<0.2000	ND	0.2000	%v/v	NC	20
Carbon Monoxide	<0.2000	ND	0.2000	%v/v	NC	20
Carbon Dioxide	1.639	**1.651**	0.2000	%v/v	1	20
Oxygen	<0.2000	ND	0.2000	%v/v	NC	20
Methane	2.475	**2.486**	0.2000	%v/v	0	20
Nitrogen	90.88	**90.49**	10.00	%v/v	0	20

Legend

NC: Not Calculated

ND: Not Detected

RL: Reporting Limit

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	SVP-52-8	**Diln Fac:**	2.300	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	341956	**Analysis:**	ASTM D1946
MSS Lab ID:	509527-020	**Sampled:**	05/31/24	**Analyst:**	JSA
Lab ID:	QC1158639	**Received:**	06/04/24		
Matrix:	Air	**Analyzed:**	06/05/24		

QC1158639 Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	<0.2300	ND	0.2300	%v/v	NC	20
Carbon Monoxide	<0.2300	ND	0.2300	%v/v	NC	20
Carbon Dioxide	1.147	**1.169**	0.2300	%v/v	2	20
Oxygen	19.29	**19.55**	0.2300	%v/v	1	20
Methane	<0.2300	ND	0.2300	%v/v	NC	20
Nitrogen	76.52	**77.39**	11.50	%v/v	1	20

Legend

NC: Not Calculated

ND: Not Detected

RL: Reporting Limit

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 5065A3 **Project#:** 1364.0040S000

Client: Romxri ssoc/atl s **Location:** i B&IrFomnd2y

Type: BS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1158636 **Batch#:** 49A0 5 **Analysis:** i STMrD169

Matrix: i /2 **Analyzed:** 0 JD JA9 **Analyst:** eSi

QC1158979 Analyte	Spiked	Result	%REC	Limits	Units
Hl utm7	10.00	10.30	103	85-115	%vJv
Ca2bonrMonox/dl	5.000	9.854	63	85-115	%vJv
Ca2bonrD/ox/dl	5.000	9.496	83	85-115	%vJv
Oxygl n	4.500	4.595	101	85-115	%vJv
Ml thanl	5.000	9.840	63	85-115	%vJv
N/t2ogl n	5.000	5.4 A	103	85-115	%vJv

Type: BSD **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1158680 **Batch#:** 49A0 5 **Analysis:** i STMrD169

Matrix: i /2 **Analyzed:** 0 JD JA9 **Analyst:** eSi

QC1158980 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Hl utm7	10.00	10. 4	10	85-115	%vJv	1	10
Ca2bonrMonox/dl	5.000	9.600	68	85-115	%vJv	1	10
Ca2bonrD/ox/dl	5.000	9.493	83	85-115	%vJv	0	10
Oxygl n	4.500	4.540	101	85-115	%vJv	0	10
Ml thanl	5.000	9.801	6	85-115	%vJv	1	10
N/t2ogl n	5.000	5.406	10	85-115	%vJv	1	10

LI gl nd

RPD: Rl uat/vl rPl 2cl nt D/ffl 2 ncl

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 20A23 **Project#:** 6 A480040S000

Client: c oux59f f ot ialef **Location:** 9s B85l oundrF

Field ID:	SVP-32-2	**Diln Fac:**	38 00	**Prep:**	METHOD
Type:	SDUP	**Batch#:**	4. 3012	**Analysis:**	9STM5D6A. 1
MSS Lab ID:	20A23 -036	**Sampled:**	017047 3.	**Analyst:**	/ S9
Lab ID:	J Q662CAC3	**Received:**	017 0. 73.		
Matrix:	9ir	**Analyzed:**	017017 3.		

QC1158982 Analyte	MSS Result	Result	RL	Units	RPD	Lim
Helium	<083. 00	ND	083. 00	%v7v	NQ	30
Qarbon5Monoxide	<083. 00	ND	083. 00	%v7v	NQ	30
Carbon Dioxide	480 1	**3.081**	083. 00	%v7v	0	30
Oxygen	618 1	**16.41**	083. 00	%v7v	0	30
Methane	08 CC3	**0.4820**	083. 00	%v7v	6	30
Nitrogen	. 8l.	**74.45**	6380 00	%v7v	0	30

yegend

NC: Nol5Qalt ulaLed

ND: Nol5DeLet Led

RL: c eRorLing5yimiL

RPD: c elaLive5Pert enL Dipperent e

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-41-8 **Diln Fac:** 2.000 **Analyzed:** 06/07/24 12:02
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-001 **Sampled:** 05/30/24 18:31 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-001 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	1.6	0.050	ppmv	6.5	0.20	mg/m3

Field ID: SVP-41-5 **Diln Fac:** 2.000 **Analyzed:** 06/07/24 12:47
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-002 **Sampled:** 05/30/24 12:02 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-002 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	1.1	0.050	ppmv	4.3	0.20	mg/m3

Field ID: SVP-45-5 **Diln Fac:** 2.200 **Analyzed:** 06/07/24 13:18
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-003 **Sampled:** 05/30/24 12:58 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-003 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	4.7	0.055	ppmv	19	0.22	mg/m3

Field ID: SVP-53-5 **Diln Fac:** 2.000 **Analyzed:** 06/07/24 19:13
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-004 **Sampled:** 05/30/24 14:18 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-004 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	32	0.050	ppmv	130	0.20	mg/m3

Field ID: SVP-53-8 **Diln Fac:** 2.200 **Analyzed:** 06/07/24 13:49
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-005 **Sampled:** 05/30/24 15:52 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-005 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	6.2	0.055	ppmv	25	0.22	mg/m3

Field ID: SVP-06-5 **Diln Fac:** 2.100 **Analyzed:** 06/07/24 14:20
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-006 **Sampled:** 05/31/24 09:55 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-006 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	2.0	0.053	ppmv	8.3	0.21	mg/m3

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-06-8 **Diln Fac:** 2.000 **Analyzed:** 06/07/24 14:53
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-007 **Sampled:** 05/31/24 10:42 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-007 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**2.0**	0.050	ppmv	**8.2**	0.20	mg/m3

Field ID: SVP-25-8 **Diln Fac:** 2.100 **Analyzed:** 06/07/24 15:24
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-008 **Sampled:** 05/31/24 16:50 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-008 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**3.4**	0.053	ppmv	**14**	0.21	mg/m3

Field ID: SVP-36-5 **Diln Fac:** 120.0 **Analyzed:** 06/07/24 13:43
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-009 **Sampled:** 05/31/24 15:48 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-009 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**480**	3.0	ppmv	**2,000**	12	mg/m3

Field ID: SVP-13-8 **Diln Fac:** 2.400 **Analyzed:** 06/07/24 15:55
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-010 **Sampled:** 06/03/24 13:55 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-010 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**2.8**	0.060	ppmv	**11**	0.25	mg/m3

Field ID: SVP-10-8 **Diln Fac:** 230.0 **Analyzed:** 06/07/24 17:40
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-011 **Sampled:** 06/03/24 11:53 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-011 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**570**	5.8	ppmv	**2,300**	24	mg/m3

Field ID: SVP-10-5 **Diln Fac:** 1.700 **Analyzed:** 06/07/24 16:26
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-012 **Sampled:** 06/03/24 10:21 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-012 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.31**	0.043	ppmv	**1.3**	0.17	mg/m3

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 509527 **Project#:** 1793.0030S000
Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-DUP-01 **Diln Fac:** 1.700 **Analyzed:** 06/07/24 16:57
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-013 **Sampled:** 06/03/24 10:21 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-013 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.44**	0.043	ppmv	**1.8**	0.17	mg/m3

Field ID: SVP-13-5 **Diln Fac:** 31.50 **Analyzed:** 06/07/24 14:20
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-014 **Sampled:** 06/03/24 11:18 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-014 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**36**	0.79	ppmv	**150**	3.2	mg/m3

Field ID: SVP-DUP-02 **Diln Fac:** 31.50 **Analyzed:** 06/07/24 14:46
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-015 **Sampled:** 06/03/24 11:18 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-015 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**36**	0.79	ppmv	**150**	3.2	mg/m3

Field ID: SVP-62-4 **Diln Fac:** 2.400 **Analyzed:** 06/07/24 18:11
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-016 **Sampled:** 06/03/24 13:15 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-016 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**27**	0.060	ppmv	**110**	0.25	mg/m3

Field ID: SVP-DUP-03 **Diln Fac:** 24.00 **Analyzed:** 06/07/24 21:24
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-017 **Sampled:** 06/03/24 13:15 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-017 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**26**	0.60	ppmv	**110**	2.5	mg/m3

Field ID: SVP-57-5 **Diln Fac:** 4.600 **Analyzed:** 06/07/24 19:42
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-018 **Sampled:** 06/03/24 14:32 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-018 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**43**	0.12	ppmv	**170**	0.47	mg/m3

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: SVP-32-8 **Diln Fac:** 2.000 **Analyzed:** 06/07/24 18:42
Type: SAMPLE **Batch#:** 342168 **Prep:**
Lab ID: 509527-019 **Sampled:** 05/31/24 11:56 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-019 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**5.3**	0.050	ppmv	**22**	0.20	mg/m3

Field ID: SVP-52-8 **Diln Fac:** 2.300 **Analyzed:** 06/09/24 02:33
Type: SAMPLE **Batch#:** 342274 **Prep:**
Lab ID: 509527-020 **Sampled:** 05/31/24 15:36 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-020 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**0.95**	0.058	ppmv	**3.9**	0.24	mg/m3

Field ID: SVP-25-5 **Diln Fac:** 24.00 **Analyzed:** 06/07/24 21:51
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-021 **Sampled:** 06/03/24 15:47 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-021 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**45**	0.60	ppmv	**180**	2.5	mg/m3

Field ID: SVP-36-8 **Diln Fac:** 26.00 **Analyzed:** 06/07/24 22:17
Type: SAMPLE **Batch#:** 342171 **Prep:**
Lab ID: 509527-022 **Sampled:** 06/03/24 16:32 **Analysis:** EPA TO-3M
Matrix: Air **Received:** 06/04/24 **Analyst:** JSA

509527-022 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	**220**	0.65	ppmv	**890**	2.7	mg/m3

Type: BLANK **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159365 **Batch#:** 342168 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 11:26 **Analyst:** JSA

QC1159365 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	ND	0.025	ppmv	ND	0.10	mg/m3

Type: BLANK **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159372 **Batch#:** 342171 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 11:14 **Analyst:** JSA

QC1159372 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	ND	0.025	ppmv	ND	0.10	mg/m3

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 1.000 **Prep:**

Lab ID: QC1159737 **Batch#:** 342274 **Analysis:** EPA TO-3M

Matrix: Air **Analyzed:** 06/08/24 11:55 **Analyst:** JSA

QC1159737 Analyte	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	Units (M)
TPH Gasoline	ND	0.025	ppmv	ND	0.10	mg/m3

Legend

ND: Not Detected

RL (V): Reporting Limit

Result (M): Result in mass units

Result (V): Result in volume units

ENTHALPY ANALYTICAL

Gas range organics by EPA TO-3M: Batch QC

Lab #: 509527 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159363 **Batch#:** 342168 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 09:57 **Analyst:** JSA

QC1159363 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
TPH Gasoline	2.500	2.334	ppmv	93	70-130

Type: BS **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159370 **Batch#:** 342171 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 09:46 **Analyst:** JSA

QC1159370 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
TPH Gasoline	2.500	2.027	ppmv	81	70-130

Type: BS **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159735 **Batch#:** 342274 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/08/24 10:26 **Analyst:** JSA

QC1159735 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
TPH Gasoline	2.500	2.353	ppmv	94	70-130

Type: BSD **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159364 **Batch#:** 342168 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 10:28 **Analyst:** JSA

QC1159364 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
TPH Gasoline	2.500	2.321	ppmv	93	70-130	1	25

Type: BSD **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159371 **Batch#:** 342171 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/07/24 10:16 **Analyst:** JSA

QC1159371 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
TPH Gasoline	2.500	2.270	ppmv	91	70-130	11	25

Type: BSD **Diln Fac:** 1.000 **Prep:**
Lab ID: QC1159736 **Batch#:** 342274 **Analysis:** EPA TO-3M
Matrix: Air **Analyzed:** 06/08/24 10:56 **Analyst:** JSA

QC1159736 Analyte	Spiked	Result (V)	Units (V)	%REC	Limits	RPD	Lim
TPH Gasoline	2.500	2.344	ppmv	94	70-130	0	25

Legend

RPD: Relative Percent Difference

Result (V): Result in volume units

Date:	September 16, 2024
Project Name:	American Brass & Iron (AB&I) Foundry
Laboratory:	Pace Analytical Laboratory
Sample Delivery Groups (SDG):	L1738627, L1739342, L1739664, L1740224, L1740636, L1740641, L1740668, L1740925, L1741416, L1741491, L1741921, L1742685, L1745043, L1753333, L1754750, L1754913, and L1758292.
Sample Media:	Soil and Groundwater
Samples:	All sample IDs in the laboratory reports (SDGs)

Data review was performed for the sample delivery groups (SDGs) generated by Pace Analytical Services, LLC for samples collected at American Brass & Iron (AB&I) Foundry at 7825 San Leandro Street in Oakland, CA in April 2024.

Data validation was done in general accordance with Department of Defense (DOD)[1,2] and United States Environmental Protection Agency (USEPA)[3,4] validation documents and included a review of the following items:

- Data Deliverable Completeness
- Laboratory Case Narratives
- Chain of Custody Documentation
- Sample Receipt/Holding Time
- Limit of Quantification
- Control Samples
  - Method Blanks, Equipment and Trip Blanks (EB and TB)
  - Lab Control Samples/Duplicate (LCS/LCSD)
  - Matrix Spike and Matrix Spike Duplicate (MS/MSD)
  - Field duplicate Samples

The items above that have issues potentially affecting data usability are discussed below for each laboratory SDG and are summarized for all SDGs at the end of this data validation report. For analytes not reported, validation issues are not discussed.

OVERALL ASSESSMENT

Data Deliverable Completeness

Complete data package deliverables were provided by the laboratory, which included reporting forms (sample log-in, quality control summaries, definition of terms and qualifiers, etc.) necessary to validate the reported analytical results. The laboratory followed adequate corrective action processes, and most anomalies were discussed in case narratives, and other anomalies are discussed later in this report. The laboratory submitted all required deliverables. Sample results and related quality control data were

1 USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS*. 11/09/2022.
2 *USDOD, Environmental Data Quality Workgroup. Data Validation Guidelines Module 4: Data Validation Procedure for Organic Analysis by GC.*
3 USEPA. *National Functional Guidelines for Inorganic Superfund Method Data Review*. EPA 542-R-20-006. November 2020.
4 USEPA. *National Functional Guidelines for Organic Superfund Method Data Review*. EPA 540-R-20-005.

received as portable document format (pdf) files and electronic data deliverable files (e.g., excel). Electronic data were verified against each SDG; no data deliverable completeness issues were identified.

Laboratory Case Narratives

The SDGs include laboratory case narratives that confirm all samples were delivered to the laboratory at the correct temperature, in the proper container, with the appropriate preservatives, and address issues encountered during the analytical process. The case narratives discuss the issue of high concentrations. Specifically, the narratives explain the corrective actions taken, including the appropriate dilution steps for samples and considerations for the limit of quantification (LOQ). All necessary adjustments were accounted for to ensure accurate results.

Chain of Custody Documentation

Sample identification (ID) numbers and requested analyses listed on the chain-of-custody record are consistent with the sample IDs and analyses reported in the analytical laboratory reports. However, there are discrepancies in some SDGs as follows:

1- For L1739664, one sample, TB-052224, is mistakenly reported twice on the chain of custody, indicating an error in the documentation.

2- For L1740925, one sample, EB-052824, is mistakenly reported twice on the chain of custody, indicating an error in the documentation.

3- For L1741921, several samples are reported in the SDG but are not listed on the chain of custody. These samples are: G/BS-H1-1.0, G/BS-H1-2.0, G/BS-H1-3.0, G/BS-H1-4.0, and G/BS-H1-5.0

Sample Receipt/Holding Times

All samples were received intact and within a temperature range of 2° to 6° Celsius. Most samples—except which are listed in Attachment A—were analyzed within the required holding times for the specified analytical methods. The samples listed in Attachment A analyzed by EPA methods 8015 and 8270C exceeded the recommended holding times by one to five days. The concentrations of the analytes for the affected samples should be qualified with noted low bias.

Limits of Quantitation

All LOQs are below the project environmental screening levels.

Quality Control Samples

1- For **L1740641:**

   a. There was a lower spike recovery rate for the MS/MSD samples for mercury in laboratory batch WG2294965. The associated field samples did not have detected concentrations of mercury. The relative percent differences (RPDs) for the MS/MSD samples within acceptable limits.

2- For **L1740925:**

   a. The spike recovery rate of the LCS/LCSD samples was within the recommended limits. The RPDs for some LCS/LCSD analytes were greater than 20%, however, the associated analytes in the field samples were not detected.

   b. There was a lower spike recovery rate for the MS/MSD samples for mercury in laboratory batches WG2294965 and WG2295935. The associated field samples did not have detected concentrations of mercury in laboratory batch WG2294965 and had detected concentration in laboratory batch WG2295935. Additionally, spike recovery rate of benzidine and hexachlorocyclopentadiene (HCCPD) was very low (<10%) in laboratory

batch WG2299140. The associated field samples concentrations were less than the reporting limit (not detected).

The MS/MSD's RPD for mercury (60.20%) and benzidine (200%) were higher than the acceptable range (20%).

c. The RPDs for the hydrocarbons in the table below were greater than 20%. The concentrations of hydrocarbons were less than five times (5x) the LOQ, and the absolute difference between primary and duplicate samples is less than the LOQ.[5]

Analyte	P-06	DUP-3	RPD (%)	LOQ
C22-C32 Hydrocarbons	268	333	21.6	100
C32-C40 Hydrocarbons	100	199	66.2	100

Notes:
All concentrations in micrograms per liter.
% = percent
LOQ = Limit of quantitation
RPD = Relative percent difference

3- For **L1738627**

a. The LCS/LCSD spike recovery rate was higher than the recommended limit, and the associated field samples were not detected. The RPD was higher than the recommended limit (20%), however, concentrations of these analytes in associated field samples were not detected.

b. The MS/MSD spike recovery rates for antimony (in laboratory batches WG2291334 and WG2293711), nickel (WG2291334), and copper (WG2293711) were lower than the recommended limits (80%). For copper (WG2291334), the spike recovery rate was higher than the recommended limit. In laboratory batch WG2294807, the analytes 2,4-dinitrophenol, di-n-octyl phthalate, HCCPD, and n-nitrosodimethylamine, had spike recovery rates lower than 10%. Concentrations of these analytes in associated field samples were not detected.

The RPD of lead (in the laboratory batches WG2291334 and WG2293711) and HCCPD had a higher value than the recommended limit (20%). As noted, HCCPD failed in both MS/MSD spike recovery rate and RPD.

LCS/LCSD			MS/MSD		
Matrix	**Analyte**	**RPD (%)**	**Matrix**	**Analyte**	**RPD (%)**
Soil	Hexachloro-1,3-butadiene	25.8	Soil	Lead (WG2291334)	26.3
Soil	Naphthalene	24.5	Soil	HCCPD	52
Water	n-Butylbenzene	21.2	Soil	Lead (WG2293711)	26.1

Notes:
% = percent
LCS/LCSD = Laboratory control spike/laboratory control spike duplicate
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

[5] In accordance with the National Functional Guidelines for both inorganic and organic analytes, duplicate sample concentrations limits may not apply when the sample and duplicate concentrations are less than 5x the Quantitation Limit (QL) due to high statistical variance as concentrations near the LOQ.

4- For **L1739342**

a. The field EB had a concentration of barium (5.29 µg/L).

b. The LCS/LCSD spike recovery rates were lower than the recommended limit for 2-butanone (MEK; in laboratory batches WG2293082 and WG2295400), acetone (WG2293082 and WG2295400), trichlorofluoromethane (WG2293082), 1,2-dichloropropane (WG2293082), 1,2,3-trimethylbenzene (WG2295165), 1,2,4-trimethylbenzene (WG2295165), and 1,3,5-trimethylbenzene (WG2295165). Concentrations of these analytes in associated field samples were not detected. The RPDs for LCS/LCSD for acetone and hexachloro-1,3-butadiene, as listed in the table below, were higher than the recommended limit (20%). Concentrations of these analytes in associated field samples were not detected.

c. The MS/MSD spike recovery rate of barium (in laboratory batch WG2295058), nickel (in laboratory batches WG2295058; WG2295060), antimony (in laboratory batch WG2295060), and zinc (in laboratory batch WG2295060) exceeded the recommended RPD limit (20%). The laboratory batch WG2299534 with the hydrocarbons C12-C22 and C22-C32 and the laboratory batch WG2295239 with benzidine, HCCPD, and phenol, had spike recovery rates lower than 10%.

The RPDs for several analytes (metals in laboratory batch WG2295060, VOC in WG2295242, and hydrocarbons in WG2295239) were greater than the RPD limits (table below). For these metals, the original sample concentrations were greater than 4-times (4x) the spiked concentration and the MS/MSD limits do not apply. [6]

LCS/LCSD			MS/MSD		
Matrix	**Analyte**	**RPD (%)**	**Matrix**	**Analyte**	**RPD (%)**
Soil	Acetone	23.2	Soil	Arsenic	23.9
Soil	Hexchloro-1,3-butadiene	24.1	Soil	Barium	21.7
			Soil	Chromium	41.8
			Soil	Nickel	27.6
			Soil	2,4-Dinitrophenol	42.8
			Soil	4-Chloro-3-methylphenol	64.3
			Soil	Phenol	200
			Soil	C12-C22 Hydrocarbons	26.3
			Soil	C22-C32 Hydrocarbons	22.5

Notes:
% = percent
LCS/LCSD = Laboratory control spike/laboratory control spike duplicate
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

5- For **L1739664**

a. The LCS/LCSD spike recovery rate was lower than the recommended limit for 1,2,4-trimethylbenzene (in laboratory batch WG2296712) and 1,3,5-trimethylbenzene (in laboratory batch WG2296712). The RPDs in laboratory batch WG2294587 for the analytes list below were higher than 20%.

b. In laboratory batch WG2298678, the MS/MSD spike recovery rate of HCCPD and benzidine was lower than 10%. The RPDs for the listed analytes in the table below were higher than the recommended limit (20%).

[6] USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS*

LCS/LCSD			MS/MSD		
Matrix	**Analyte**	**RPD (%)**	**Matrix**	**Analyte**	**RPD (%)**
Soil	Acetone	69.5	Soil	Benzo(a)anthracene	32.7
Soil	Bromomethane	22.4	Soil	Benzo(a)pyrene	37.6
Soil	Dichlorodifluoromethane	26.3	Soil	Benzo(b)fluoranthene	44.1
Soil	Hexachloro-1,3-butadiene	22.1	Soil	Benzo(g,h,i)perylene	35.2
Soil	Vinyl chloride	20.2	Soil	Chrysene	38.7
			Soil	HCCPD	73.7
			Soil	Indeno(1,2,3-cd)pyrene	33.5
			Soil	Pyrene	32.3

Notes:
HCCPD
% = percent
HCCPD = Hexachlorocyclopentadiene
LCS/LCSD = Laboratory control spike/laboratory control spike duplicate
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

6- For **L1740224**

a. The LCS/LCSD's RPD for 2,2-Dichloropropane was greater than 20%.

b. MS/MSD spike recovery rate for mercury in laboratory batch WG2293345 was lower than 8%. In laboratory batch WG2296790, the analytes 2,4-dinitrophenol, benzidine, hexachlorobenzene, and HCCPD had spike recovery rates lower than 10%. The RPDs for the MS/MSD for mercury and pyrene were higher than 20%.

c. The surrogate recovery rate of o-Terphenyl in laboratory batch WG2300018 was greater than the recommended limit.

d. The RPDs of groundwater duplicates for mercury, chromium, and zinc (table below) were greater than 20%, and the sample concentrations were higher than 5x LOQ[7]. The RPD of cadmium and nickel (dissolved) in the table below was also higher than 20%, however, the concentrations were lower than 5x LOQ and the absolute difference was less than LOQ.

Analyte	P-10 (µg/L)	DUP-1 (µg/L)	RPD (%)	LOQ
Mercury	1.32	1.68	24	0.2
Cadmium	2.22	2.74	20.97	1.0
Chromium	50.7	37.8	29.15	2.0
Nickel, Dissolved	5.66	4.3	27.31	2.0
Zinc, Total	223	182	20.25	25

Notes:
Yellow highlight = RPD and LOQ values exceed acceptable limits. Values should be considered estimates.
µg/L = micrograms per liter
% = percent
LOQ = Limit of quantitation
RPD = Relative percent difference

7- For **L1740636**

a. The method blank in this laboratory batch WG2296309 had a concentration of barium, dissolved.

b. The LCS/LCSD RPDs for the analytes noted below were greater than 20%.

[7] In accordance with the National Functional Guidelines for both inorganic and organic analytes, duplicate sample concentrations limits may not apply when the sample and duplicate concentrations are less than 5x the Quantitation Limit (QL) due to high statistical variance as concentrations near the LOQ.

LCS/LCSD		
Matrix	**Analyte**	**RPD (%)**
Water	1,1,1,2-Tetrachloroethane	23.8
Water	1,1,1-Trichloroethane	21.4
Water	1,1,2-Trichloroethane	25.6
Water	1,1,2-Trichlorotrifluoroethane	25
Water	1,2,4-Trichlorobenzene	20.2
Water	2,2-Dichloropropane	30.5
Water	Acetone	20.7
Water	Benzene	21.4
Water	Bromoform	24.4
Water	Bromomethane	37
Water	Carbon tetrachloride	21.2
Water	Chloroethane	42.4
Water	Cis-1,2-Dichloroethene	22.5
Water	Di-isopropyl ether	20.9
Water	Dichlorodifluoromethane	22.4
Water	Isopropylbenzene	23.7
Water	Naphthalene	20.4
Water	p-Isopropyltoluene	21.7
Water	Sec-Butylbenzene	21
Water	Toluene	22.6
Water	Trans-1-2-Dichloroethene	20.2
Water	Trichlorofluoromethane	23.8
Water	Vinyl chloride	20.7
Water	Xylenes, total	20.7

Notes:
% = percent
LCS/LCSD = Laboratory control spike/laboratory control spike duplicate
RPD = Relative percent difference

c. The surrogate recovery rate of o-Terphenyl in the laboratory batch WG2295250 was lower than the recommended limit.

d. There were 77 analytes for the duplicate pair GW-2-2 and DUP-2 that had RPDs greater than 20%. Eleven of the RPDs were lower than 100% and the remainder were greater than 100%.

8- For **L1741416**

a. The field EB had a detected concentration of barium.

b. LCS/LCSD spike recovery rate was high for a few analytes and the associated field samples were not detected.

c. Antimony in laboratory batch WG2305335 had a higher spike recovery rate than the recommended limit. The spike recovery rate of hydrocarbons in laboratory batch WG2303717 was higher than the recommended limit, and the original sample had a concentration greater than the spiked concentration (i.e., 4x spiked concentration).[8] In laboratory batch WG2303704, the analytes 2,2-oxybis(1-chloropropane), 2,4-dinitrophenol, bis(2-chloroethyl)ether, bis(2-ethylhexyl)phthalate, HCCPD, n-nitrosodi-n-propylamine, and n-nitrosodimethylamine had lower spike recovery rates than the recommended limit. In the same batch, analytes 2,4-dimethylphenol, 2-nitrophenol, benzidine, hexachloroethane, isophorone, and pyrene had higher spike recovery rates than the recommended limit.

[8] In accordance with the National Functional Guidelines for organic analytes, spike recovery limits do not apply when the sample concentration before being spiked is greater than 4x spike concentration.

RPDs of the analytes listed below were higher than 20%. 2,2-oxybis(1-chloropropane), bis(2-chloroethyl)ether, and n-nitrosodi-n-propylamine did not meet the criteria for both MS/MSD spike recovery rate and the RPD.

MS/MSD		
Matrix	**Analyte**	**RPD (%)**
Soil	Lead	28.6
Soil	2,2-Oxybis(1-Chloropropane)	200
Soil	2,4-Dichlorophenol	47.9
Soil	Bis(2-chloroethyl)ether	200
Soil	n-Nitrosodi-n-propylamine	200

Notes:
% = percent
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

9- For **L1741921**

a. The spike recovery rates and RPDs of the LCS/LCSD were higher for a few analytes, and the associated samples were not detected.

b. In laboratory batch WG2299939, the MS/MSD's spike recovery rates for the metals antimony, lead, zinc, and copper were lower than the recommended limit (80%). In laboratory batch WG2299945, the spike recovery rates of antimony and zinc were higher than the recommended limit. For volatile organic compounds, the spike recovery rates for benzidine (WG2303251), HCCPD (WG2304128), and 2,4-dinitrophenol (WG2304128), were lower than 10%. The RPDs for the analytes listed below were greater than 20%.

LCS/LCSD			MS/MSD		
Matrix	**Analyte**	**RPD (%)**	**Matrix**	**Analyte**	**RPD (%)**
Soil	1,1,2-Trichlorotrifluoroethane	24.3	Soil	Arsenic	46
Soil	2-Butanone (MEK)	29.6	Soil	Barium	50.2
Soil	Acetone	41.1	Soil	Copper	31.1
Soil	1,2,4-Trichlorobenzene	20.6	Soil	Lead	35.7
Soil	Acetone	37.5	Soil	Zinc	47.6
Soil	Acrylonitrile	20.4	Soil	Lead	24.7
Soil	Naphthalene	23.7	Soil	Zinc	22.1
			Soil	C22-C32 Hydrocarbons	27.2
			Soil	Benzidine	200
			Soil	2,4-Dinitrophenol	200
			Soil	HCCPD	40.3

Notes:
% = percent
HCCPD = Hexachlorocyclopentadiene
LCS/LCSD = Laboratory control spike/laboratory control spike duplicate
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

Overall Assessment

a. Method Blanks, EBs, and TBs

All the SDGs are considered free of contamination. Even though a few laboratory batches in three SDGs (L1739342, L1740636, and L1741416) had a concentration of barium in their respective EB or method blank samples, this background contamination would not affect the reliability of data due to the concentrations of barium of associate field samples was higher than 5 times the concentrations observed in the EB and method blank samples.

No issues were observed with TB samples.

b. LCS/LCSD

The LCS/LCSD recovery rate did not meet the recommended limit for some analytes in certain laboratory batches reported in the following SDGs: L1738627, L1739342, L1739664, L1740925, L1741416, L1741921.

i. When the recovery rate was high (for SDGs: L1738627, L1741416, and L1741921), the associated non-detect field samples can be accepted.
ii. When the recovery rate was low (for SDGs: L1739342 and L1739664), the detected concentrations of associated field samples for specific analytes should be noted as low bias, while no detected concentrations of associated field samples and for specific analytes and laboratory batch numbers are recommended to be excluded from the data set.

The RPDs for LCS/LCSD was higher than 20% for some analytes in certain laboratory batches reported in the following SDGs: L1740925, L1738627, L1739342, L1739664, L1740224, L1740636, and L1741921. The associated field samples having detected concentration should be estimated (J), while the associated field samples with no detected concentrations should be accepted.

c. MS/MSD

MS/MSD recovery rate did not meet the recommended limit for some analytes in certain laboratory batches reported in the following SDGs: L1740641, L1740925, L1738627, L1739342, L1739664, L1740224, L1741416, and L1741921.

i. Results are acceptable when the MS/MSD recovery rate is high and concentrations were not detected.
ii. When the recovery rate was high, the associated field samples should be estimated with high bias (J+) for detected concentrations.
iii. Results of non-detect when the MS/MSD recovery rate was low should be estimated biased low (J-).
iv. When the MS/MSD recovery rate was low, the associated field samples should be estimated with a low bias (J-).

The RPDs for MS/MSDs were higher than 20% for some analytes in laboratory batches reported in the following SDGs: L1740925, L1738627, L1739342, L1739664, L1740224, L1741416, and L1741921. The associated field samples with detectable concentration should be estimated (J), while the associated field samples with no detectable concentrations should be accepted. However, some analytes did not meet the recommended limit for both spike recovery rate and RPD, and therefore, these analytes should be estimated low bias (J-). There is no action required for some analytes because the original samples concentrations were higher than four times the spiked concentrations[9].

d. Surrogate recovery rate

Surrogate recovery rates did not meet the guideline limit for o-Terphenyl in laboratory batches reported for the following two SDGs: L1739664 and L1740636.

i. Because the recovery rate was high in SDG L1739664, the field associated samples should be estimated with a high bias (J+).
ii. In this SDG L1740636, the recovery rate was low and therefore, the associated field samples should be estimated with low bias for detected concentrations. Non-detect values should be estimated (J).

[9] USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS.* 11/09/2022.

e. Field duplicate

Three groundwater field duplicates were evaluated associated with SDGs: L1740925, L1740224, and L1740636.

i. For L1740925, the limits for RPDs do not apply based on EPA guidelines[10] since the concentration of hydrocarbons was less than LOQ.

ii. For L1740224, the associated samples of mercury, chromium, and zinc should be estimated (J) because the concentration of samples was higher than LOQ. The associated samples of cadmium and nickel (dissolved) should be accepted because the concentration were lower than five times the LOQ and the absolute difference was lower than LOQ.

iii. For L1740636, the high number of analytes with RPDs greater than the acceptable limits suggests that there was non-heterogeneity of the groundwater sampled. The high RPDs between the primary and duplicate samples may be a result of high sediment load in the sample effecting the analytes concentrations.

Definitions of Roux Validation Data Qualifiers

Qualifier	Definition
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. For surrogates or TIC, result is an estimate.
J-	Result is an estimate. Low biased
J+	Result is an estimate. High biased
R	The sample results should be considered rejected and unusable.

If you have any questions regarding this data validation report, please contact Michael Friedman at 415-967-6000.

Regards,

Michael Friedman, PG
Senior Geologist II

[10] USEPA. *National Functional Guidelines for Organic Superfund Method Data Review.* EPA 540-R-20-005.

ANALYTICAL REPORT

October 01, 2024

Revised Report

Roux - Oakland, CA

Sample Delivery Group:	L1738627
Samples Received:	05/21/2024
Project Number:	1793.00308000
Description:	AB&I Redevelopment

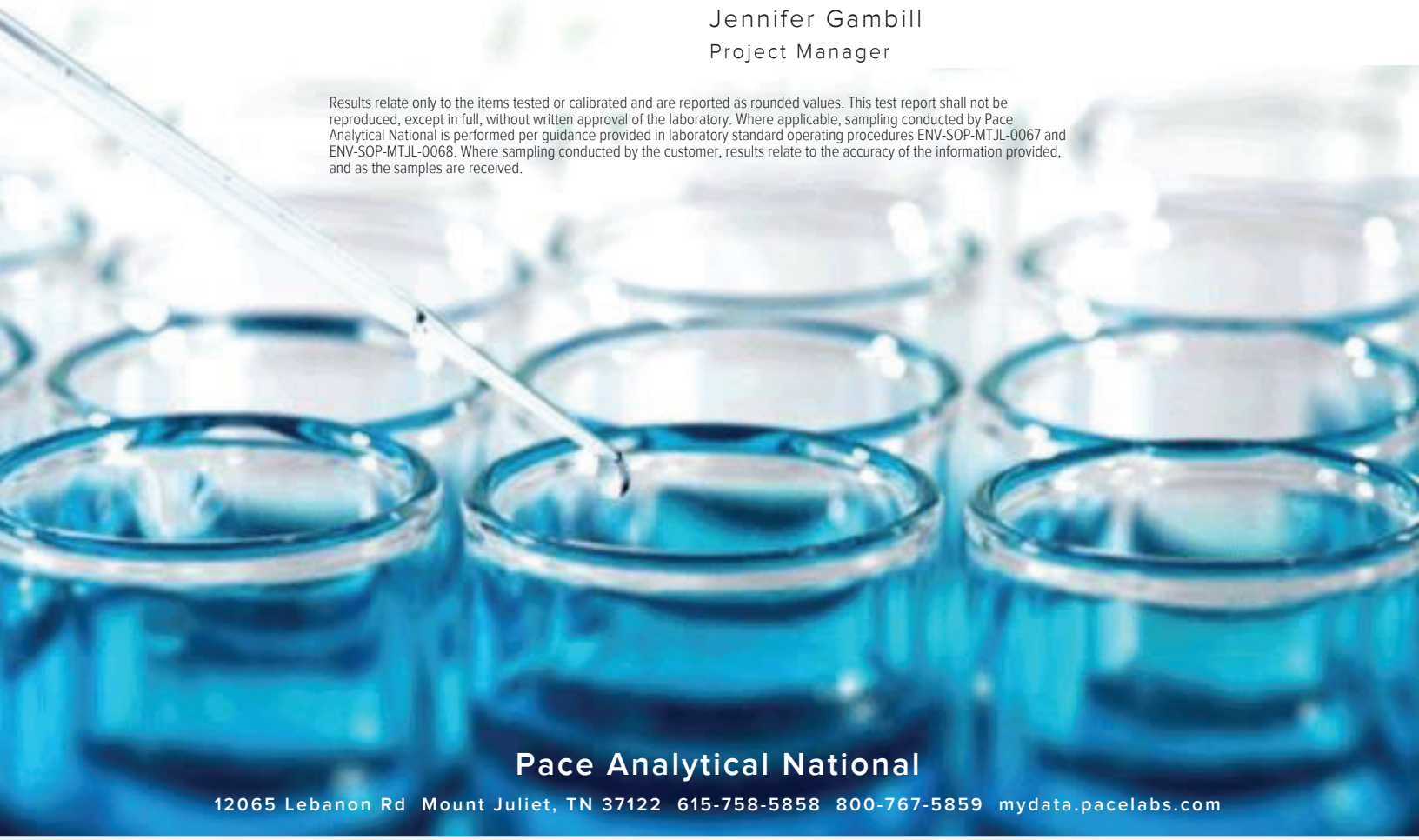
Report To:

Joshua Osborne
555 12th Street
Suite 250
Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G-A1-1-1.0 L1738627-01 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 08:12 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:24	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:40	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/04/24 10:31	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294060	1	05/28/24 04:37	05/28/24 11:55	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 04:26	DSH	Mt. Juliet, TN

G-A1-1-2.0 L1738627-02 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 08:22 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:27	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:42	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 08:22	05/27/24 22:38	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/06/24 00:43	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 02:48	DSH	Mt. Juliet, TN

G-A1-1-3.0 L1738627-03 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 08:28 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:29	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:43	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	28.5	05/20/24 08:28	05/26/24 02:22	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1.14	05/20/24 08:28	05/27/24 22:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/31/24 10:13	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2314453	1	06/29/24 15:15	06/29/24 21:05	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	1	05/29/24 22:33	05/30/24 22:44	DSH	Mt. Juliet, TN

G-A1-1-4.0 L1738627-04 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 08:43 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302291	1	06/10/24 16:13	06/10/24 16:19	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	27	05/20/24 08:43	06/02/24 15:23	JAH	Mt. Juliet, TN

G-A1-1-5.0 L1738627-05 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 08:47 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/20/24 08:47	05/26/24 02:42	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 08:47	05/27/24 23:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 18:28	JAS	Mt. Juliet, TN

G/BS-A2-1-1.0 L1738627-06 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 09:10 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:32	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:48	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294060	1	05/28/24 04:37	05/28/24 12:04	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 05:15	DSH	Mt. Juliet, TN

G/BS-A2-1-2.0 L1738627-07 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 09:18 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:35	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:50	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 09:18	05/27/24 23:36	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/06/24 00:52	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/31/24 02:24	DSH	Mt. Juliet, TN

G/BS-A2-1-3.0 L1738627-08 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 09:25 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:37	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:51	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/20/24 09:25	05/26/24 03:01	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 09:25	05/27/24 23:55	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/31/24 09:58	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2314791	1	07/01/24 17:34	07/01/24 22:59	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	1	05/29/24 22:33	05/30/24 23:08	DSH	Mt. Juliet, TN

G/BS-A2-1-4.0 L1738627-09 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 09:35 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302291	1	06/10/24 16:13	06/10/24 16:19	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/20/24 09:35	06/02/24 15:46	JAH	Mt. Juliet, TN

G/BS-A2-1-5.0 L1738627-10 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 09:42 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/20/24 09:42	05/26/24 03:20	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 09:42	05/28/24 00:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 17:01	JAS	Mt. Juliet, TN

UC-A2-1-1.0 L1738627-11 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 13:20 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:40	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:53	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	5	05/31/24 15:27	06/02/24 11:56	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294060	1	05/28/24 04:37	05/28/24 12:13	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/31/24 01:35	DSH	Mt. Juliet, TN

UC-A2-1-2.0 L1738627-12 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 13:30 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293517	1	05/27/24 07:36	05/27/24 07:43	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:42	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:55	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 13:30	05/28/24 00:33	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	10	06/05/24 11:42	06/06/24 01:01	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 10:32	DSH	Mt. Juliet, TN

UC-A2-1-3.0 L1738627-13 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 13:37 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:50	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:56	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/20/24 13:37	05/26/24 03:40	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	20	05/30/24 06:42	05/30/24 20:08	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 10:56	DSH	Mt. Juliet, TN

UC-A2-1-5.0 L1738627-15 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 14:00 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2291959	25	05/20/24 14:00	05/23/24 14:25	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1	05/20/24 14:00	05/25/24 23:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293785	1	05/20/24 14:00	05/27/24 09:39	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	1	05/24/24 07:27	05/24/24 20:51	KDB	Mt. Juliet, TN

UC-A2-1-10.0 L1738627-17 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 14:22 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1	05/20/24 14:22	05/26/24 00:18	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293785	1	05/20/24 14:22	05/27/24 09:58	JBE	Mt. Juliet, TN

G/BS-A3-1-1.0 L1738627-18 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 10:15 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2290825	1	05/22/24 08:15	05/23/24 10:42	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2291334	5	05/25/24 17:24	05/26/24 20:15	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2291058	1	05/22/24 09:45	05/22/24 15:39	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/31/24 00:46	DSH	Mt. Juliet, TN

G/BS-A3-1-2.0 L1738627-19 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 10:25 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2290825	1	05/22/24 08:15	05/23/24 10:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2291334	1	05/25/24 17:24	05/26/24 20:10	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1.31	05/20/24 10:25	05/26/24 00:37	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293785	1.31	05/20/24 10:25	05/27/24 10:18	JBE	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2315705	2	07/01/24 17:34	07/02/24 18:28	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/30/24 23:33	DSH	Mt. Juliet, TN

G/BS-A3-1-3.0 L1738627-20 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 10:35 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2290825	1	05/22/24 08:15	05/23/24 10:52	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2291334	1	05/25/24 17:24	05/26/24 20:12	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2291959	25	05/20/24 10:35	05/23/24 14:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 10:35	05/28/24 00:52	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	5	05/24/24 07:27	05/24/24 21:32	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 04:51	DSH	Mt. Juliet, TN

G/BS-A3-1-5.0 L1738627-22 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 10:50 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2291959	25	05/20/24 10:50	05/23/24 15:03	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1	05/20/24 10:50	05/26/24 00:56	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	1	05/24/24 07:27	05/24/24 20:23	KDB	Mt. Juliet, TN

UC-A3-1-1.0 L1738627-23 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 11:20 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2290825	1	05/22/24 08:15	05/23/24 10:55	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2291334	1	05/25/24 17:24	05/26/24 20:14	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2291058	1	05/22/24 09:45	05/22/24 15:57	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 06:04	DSH	Mt. Juliet, TN

UC-A3-1-2.0 L1738627-24 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 11:30 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:52	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:58	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1	05/20/24 11:30	05/26/24 01:15	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294060	1	05/28/24 04:37	05/28/24 12:22	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	100	05/29/24 22:33	05/31/24 11:45	DSH	Mt. Juliet, TN

UC-A3-1-3.0 L1738627-25 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 11:35 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290916	1	05/22/24 09:22	05/22/24 09:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2290825	1	05/22/24 08:15	05/23/24 10:57	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2291331	1	05/25/24 17:13	05/26/24 20:58	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2291959	26.8	05/20/24 11:35	05/23/24 15:23	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	40	05/24/24 07:27	05/24/24 21:46	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/31/24 02:00	DSH	Mt. Juliet, TN

UC-A3-1-5.0 L1738627-27 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 11:52 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290917	1	05/22/24 09:10	05/22/24 09:20	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2291959	30	05/20/24 11:52	05/23/24 15:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1.2	05/20/24 11:52	05/26/24 01:34	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293785	1.2	05/20/24 11:52	05/27/24 10:37	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	1	05/24/24 07:27	05/24/24 19:42	KDB	Mt. Juliet, TN

UC-A3-1-10.0 L1738627-29 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 12:10 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2290917	1	05/22/24 09:10	05/22/24 09:20	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2292331	1	05/20/24 12:10	05/26/24 01:53	JHH	Mt. Juliet, TN

BS-B1-1-1.0 L1738627-30 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 15:00 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:55	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:00	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294060	1	05/28/24 04:37	05/28/24 12:31	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/31/24 00:22	DSH	Mt. Juliet, TN

BS-B1-1-2.0 L1738627-31 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 15:05 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:05	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293709	1	05/30/24 08:23	05/30/24 17:19	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 15:05	05/28/24 01:11	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	2	05/29/24 22:33	05/30/24 23:57	DSH	Mt. Juliet, TN

BS-B1-1-3.0 L1738627-32 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 15:10 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293349	1	05/25/24 13:35	05/27/24 13:57	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:01	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	26	05/20/24 15:10	05/26/24 03:59	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1.04	05/20/24 15:10	05/28/24 01:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	5	05/30/24 06:42	05/30/24 19:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2294807	10	05/29/24 22:33	05/31/24 04:02	DSH	Mt. Juliet, TN

BS-B1-1-5.0 L1738627-34 Solid

Collected by: JA/AV | Collected date/time: 05/20/24 15:22 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/20/24 15:22	05/26/24 04:19	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293465	1	05/20/24 15:22	05/28/24 01:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	10	05/30/24 06:42	05/30/24 19:25	JAS	Mt. Juliet, TN

EB-052024 L1738627-35 GW

Collected by: JA/AV | Collected date/time: 05/20/24 15:30 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2290665	1	05/22/24 09:43	05/23/24 18:44	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2294310	1	05/29/24 10:35	05/29/24 22:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294088	1	05/28/24 15:16	05/28/24 15:16	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293723	1	05/27/24 00:16	05/27/24 00:16	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 11:40	DMG	Mt. Juliet, TN

TB-052024 L1738627-36 GW

Collected by: JA/AV | Collected date/time: 05/20/24 12:00 | Received date/time: 05/21/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293723	1	05/26/24 17:45	05/26/24 17:45	ACG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/08/24 16:28
Level II Report - Version 2: 08/16/24 10:41

Project Narrative

The following report has been revised to include the MDL information.

For the following samples: L1738627-18 and -23, due to the high prevalence of shared congeners between Aroclors 1254 and 1260, and the similarities in chemical properties, only the most prevalent PCB aroclor was quantified for reporting. Quantification and reporting of both PCB aroclors would result in significant high bias error in the sample results.

GeoTracker EDD

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-1.0	L1738627-01	Mercury	0.305		0.0201	0.0446	1	05/27/2024 13:24	WG2293349
G-A1-1-2.0	L1738627-02	Mercury	1.09		0.0201	0.0446	1	05/27/2024 13:27	WG2293349
G-A1-1-3.0	L1738627-03	Mercury	0.143		0.0197	0.0437	1	05/27/2024 13:29	WG2293349
G/BS-A2-1-1.0	L1738627-06	Mercury	0.239		0.0201	0.0446	1	05/27/2024 13:32	WG2293349
G/BS-A2-1-2.0	L1738627-07	Mercury	0.383		0.0202	0.0448	1	05/27/2024 13:35	WG2293349
G/BS-A2-1-3.0	L1738627-08	Mercury	0.151		0.0239	0.0530	1	05/27/2024 13:37	WG2293349
UC-A2-1-1.0	L1738627-11	Mercury	0.205		0.0194	0.0432	1	05/27/2024 13:40	WG2293349
UC-A2-1-2.0	L1738627-12	Mercury	0.286		0.0197	0.0438	1	05/27/2024 13:42	WG2293349
UC-A2-1-3.0	L1738627-13	Mercury	0.568		0.0203	0.0451	1	05/27/2024 13:50	WG2293349
G/BS-A3-1-1.0	L1738627-18	Mercury	0.473		0.0198	0.0439	1	05/23/2024 10:42	WG2290825
G/BS-A3-1-2.0	L1738627-19	Mercury	0.160		0.0206	0.0458	1	05/23/2024 10:45	WG2290825
G/BS-A3-1-3.0	L1738627-20	Mercury	0.0997		0.0213	0.0474	1	05/23/2024 10:52	WG2290825
UC-A3-1-1.0	L1738627-23	Mercury	0.0721		0.0191	0.0425	1	05/23/2024 10:55	WG2290825
UC-A3-1-2.0	L1738627-24	Mercury	0.0487		0.0214	0.0475	1	05/27/2024 13:52	WG2293349
UC-A3-1-3.0	L1738627-25	Mercury	0.188		0.0208	0.0462	1	05/23/2024 10:57	WG2290825
BS-B1-1-1.0	L1738627-30	Mercury	0.118		0.0218	0.0484	1	05/27/2024 13:55	WG2293349
BS-B1-1-2.0	L1738627-31	Mercury	0.150		0.0210	0.0467	1	05/26/2024 22:05	WG2293348
BS-B1-1-3.0	L1738627-32	Mercury	0.0948		0.0232	0.0516	1	05/27/2024 13:57	WG2293349

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-1.0	L1738627-01	Arsenic	2.79		0.578	2.23	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Barium	110		0.0951	0.558	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Beryllium	0.275		0.0352	0.223	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Cadmium	0.263	J	0.0526	0.558	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Chromium	42.5		0.148	1.12	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Cobalt	14.5		0.0905	1.12	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Copper	54.5		0.446	2.23	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Lead	117		0.232	0.558	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Molybdenum	1.72		0.122	0.558	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Nickel	21.0		0.147	2.23	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Silver	0.999	J	0.142	1.12	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Vanadium	51.1		0.565	2.23	1	06/01/2024 18:40	WG2293711
G-A1-1-1.0	L1738627-01	Zinc	88.6		0.929	5.58	1	06/01/2024 18:40	WG2293711
G-A1-1-2.0	L1738627-02	Arsenic	2.45		0.578	2.23	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Barium	270		0.0951	0.558	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Beryllium	0.264		0.0351	0.223	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Cadmium	0.380	J	0.0526	0.558	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Chromium	17.7		0.148	1.12	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Cobalt	12.7		0.0905	1.12	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Copper	35.3		0.446	2.23	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Lead	47.5		0.232	0.558	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Molybdenum	0.500	J	0.122	0.558	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Nickel	27.3		0.147	2.23	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Silver	0.561	J	0.142	1.12	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Thallium	1.74	J	0.440	2.23	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Vanadium	23.1		0.565	2.23	1	06/01/2024 18:42	WG2293711
G-A1-1-2.0	L1738627-02	Zinc	122		0.928	5.58	1	06/01/2024 18:42	WG2293711

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-3.0	L1738627-03	Arsenic	2.79		0.566	2.19	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Barium	152		0.0932	0.547	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Beryllium	0.213	J	0.0344	0.219	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Cadmium	0.718		0.0515	0.547	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Chromium	22.0		0.145	1.09	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Cobalt	11.3		0.0887	1.09	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Copper	22.6		0.437	2.19	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Lead	67.4		0.227	0.547	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Molybdenum	0.184	J	0.119	0.547	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Nickel	27.9		0.144	2.19	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Silver	0.553	J	0.139	1.09	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Thallium	1.15	J	0.431	2.19	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Vanadium	27.4		0.553	2.19	1	06/01/2024 18:43	WG2293711
G-A1-1-3.0	L1738627-03	Zinc	135		0.910	5.47	1	06/01/2024 18:43	WG2293711
G/BS-A2-1-1.0	L1738627-06	Arsenic	3.92		0.578	2.23	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Barium	337		0.0950	0.558	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Beryllium	0.288		0.0351	0.223	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Cadmium	0.481	J	0.0525	0.558	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Chromium	27.3		0.148	1.12	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Cobalt	10.3		0.0905	1.12	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Copper	59.4		0.446	2.23	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Lead	131		0.232	0.558	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Molybdenum	0.133	J	0.122	0.558	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Nickel	31.3		0.147	2.23	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Silver	0.544	J	0.142	1.12	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Thallium	1.49	J	0.439	2.23	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Vanadium	33.7		0.564	2.23	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-1.0	L1738627-06	Zinc	160		0.928	5.58	1	06/01/2024 18:48	WG2293711
G/BS-A2-1-2.0	L1738627-07	Arsenic	5.06		0.580	2.24	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Barium	217		0.0955	0.560	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Beryllium	0.432		0.0353	0.224	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Cadmium	3.14		0.0528	0.560	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Chromium	36.4		0.149	1.12	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Cobalt	9.97		0.0909	1.12	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Copper	246		0.448	2.24	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Lead	625		0.233	0.560	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Molybdenum	1.35		0.122	0.560	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Nickel	55.0		0.148	2.24	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Silver	0.818	J	0.142	1.12	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Thallium	2.12	J	0.441	2.24	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Vanadium	29.5		0.567	2.24	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-2.0	L1738627-07	Zinc	414		0.932	5.60	1	06/01/2024 18:50	WG2293711
G/BS-A2-1-3.0	L1738627-08	Arsenic	4.59		0.687	2.65	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Barium	122		0.113	0.663	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Beryllium	0.267		0.0418	0.265	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Cadmium	0.200	J	0.0624	0.663	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Chromium	30.5		0.176	1.33	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Cobalt	9.80		0.107	1.33	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Copper	68.2		0.530	2.65	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Lead	46.2		0.276	0.663	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Nickel	45.0		0.175	2.65	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Silver	0.369	J	0.168	1.33	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Thallium	0.720	J	0.522	2.65	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Vanadium	22.9		0.671	2.65	1	06/01/2024 18:51	WG2293711
G/BS-A2-1-3.0	L1738627-08	Zinc	70.5		1.10	6.63	1	06/01/2024 18:51	WG2293711

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
UC-A2-1-1.0	L1738627-11	Arsenic	8.47		0.559	2.16	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Barium	198		0.0920	0.540	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Beryllium	0.217		0.0340	0.216	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Cadmium	2.30		0.0509	0.540	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Chromium	33.5		0.144	1.08	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Cobalt	6.82		0.0876	1.08	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Copper	373		0.432	2.16	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Lead	361		0.225	0.540	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Molybdenum	1.10		0.118	0.540	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Nickel	59.8		0.143	2.16	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Silver	1.01	J	0.137	1.08	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Thallium	1.60	J	0.425	2.16	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Vanadium	22.9		0.546	2.16	1	06/01/2024 18:53	WG2293711
UC-A2-1-1.0	L1738627-11	Zinc	6260		4.49	27.0	5	06/02/2024 11:56	WG2293711
UC-A2-1-2.0	L1738627-12	Arsenic	3.84		0.567	2.19	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Barium	266		0.0933	0.548	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Beryllium	0.312		0.0345	0.219	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Cadmium	1.17		0.0516	0.548	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Chromium	28.7		0.146	1.10	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Cobalt	12.9		0.0888	1.10	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Copper	209		0.438	2.19	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Lead	179		0.228	0.548	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Molybdenum	0.197	J	0.119	0.548	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Nickel	53.5		0.145	2.19	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Silver	0.796	J	0.139	1.10	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Thallium	1.60	J	0.432	2.19	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Vanadium	31.4		0.554	2.19	1	06/01/2024 18:55	WG2293711
UC-A2-1-2.0	L1738627-12	Zinc	384		0.911	5.48	1	06/01/2024 18:55	WG2293711
UC-A2-1-3.0	L1738627-13	Arsenic	4.54		0.584	2.25	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Barium	213		0.0961	0.564	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Beryllium	0.153	J	0.0355	0.225	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Cadmium	0.175	J	0.0531	0.564	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Chromium	16.9		0.150	1.13	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Cobalt	4.72		0.0914	1.13	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Copper	28.1		0.451	2.25	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Lead	90.7		0.235	0.564	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Molybdenum	0.183	J	0.123	0.564	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Nickel	21.6		0.149	2.25	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Silver	0.322	J	0.143	1.13	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Thallium	0.966	J	0.444	2.25	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Vanadium	15.9		0.570	2.25	1	06/01/2024 18:56	WG2293711
UC-A2-1-3.0	L1738627-13	Zinc	78.7		0.938	5.64	1	06/01/2024 18:56	WG2293711
G/BS-A3-1-1.0	L1738627-18	Antimony	12.7		2.99	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Arsenic	19.0		2.84	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Barium	799		0.468	2.75	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Beryllium	0.294	J	0.174	1.10	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Cadmium	47.1		0.259	2.75	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Chromium	61.1		0.730	5.49	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Cobalt	20.0		0.446	5.49	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Copper	1030		2.20	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Lead	1220		1.14	2.75	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Molybdenum	8.05		0.599	2.75	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Nickel	103		0.725	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Thallium	5.69	J	2.16	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Vanadium	61.9		2.78	11.0	5	05/26/2024 20:15	WG2291334
G/BS-A3-1-1.0	L1738627-18	Zinc	3250		4.57	27.5	5	05/26/2024 20:15	WG2291334

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-A3-1-2.0	L1738627-19	Antimony	0.705	J	0.622	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Arsenic	7.17		0.593	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Barium	121		0.0975	0.572	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Beryllium	0.136	J	0.0360	0.229	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Cadmium	14.7		0.0539	0.572	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Chromium	17.2		0.152	1.14	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Cobalt	8.30		0.0928	1.14	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Copper	60.6		0.458	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Lead	67.1		0.238	0.572	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Molybdenum	0.523	B J	0.125	0.572	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Nickel	22.1		0.151	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Thallium	2.27	J	0.451	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Vanadium	72.1		0.579	2.29	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-2.0	L1738627-19	Zinc	212		0.952	5.72	1	05/26/2024 20:10	WG2291334
G/BS-A3-1-3.0	L1738627-20	Arsenic	2.61		0.614	2.37	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Barium	185		0.101	0.593	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Beryllium	0.342		0.0373	0.237	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Chromium	80.8		0.158	1.19	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Cobalt	12.9		0.0961	1.19	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Copper	36.8		0.474	2.37	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Lead	49.8		0.247	0.593	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Molybdenum	0.250	B J	0.129	0.593	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Nickel	52.1		0.156	2.37	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Thallium	1.74	J	0.467	2.37	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Vanadium	71.8		0.600	2.37	1	05/26/2024 20:12	WG2291334
G/BS-A3-1-3.0	L1738627-20	Zinc	51.7		0.986	5.93	1	05/26/2024 20:12	WG2291334
UC-A3-1-1.0	L1738627-23	Arsenic	10.6		0.551	2.13	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Barium	190		0.0906	0.532	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Beryllium	0.306		0.0335	0.213	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Cadmium	0.104	J	0.0501	0.532	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Chromium	111		0.141	1.06	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Cobalt	9.05		0.0862	1.06	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Copper	37.2		0.425	2.13	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Lead	44.4		0.221	0.532	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Molybdenum	1.67		0.116	0.532	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Nickel	86.1		0.140	2.13	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Silver	1.99		0.135	1.06	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Thallium	1.86	J	0.419	2.13	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Vanadium	42.8		0.538	2.13	1	05/26/2024 20:14	WG2291334
UC-A3-1-1.0	L1738627-23	Zinc	89.8		0.885	5.32	1	05/26/2024 20:14	WG2291334
UC-A3-1-2.0	L1738627-24	Arsenic	1.36	J	0.616	2.38	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Barium	62.9		0.101	0.594	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Beryllium	0.128	J	0.0374	0.238	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Chromium	9.44		0.158	1.19	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Cobalt	4.45		0.0964	1.19	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Copper	9.51		0.475	2.38	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Lead	11.1		0.247	0.594	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Molybdenum	0.181	J	0.130	0.594	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Nickel	14.2		0.157	2.38	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Silver	0.175	J	0.151	1.19	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Thallium	0.953	J	0.468	2.38	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Vanadium	14.0		0.601	2.38	1	06/01/2024 18:58	WG2293711
UC-A3-1-2.0	L1738627-24	Zinc	31.2		0.989	5.94	1	06/01/2024 18:58	WG2293711

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
UC-A3-1-3.0	L1738627-25	Antimony	0.805	J	0.628	2.31	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Arsenic	2.56		0.598	2.31	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Barium	162		0.0983	0.577	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Beryllium	0.219	J	0.0364	0.231	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Cadmium	0.117	J	0.0544	0.577	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Chromium	33.4		0.153	1.15	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Cobalt	5.71		0.0936	1.15	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Copper	13.9		0.462	2.31	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Lead	23.7		0.240	0.577	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Molybdenum	0.795		0.126	0.577	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Nickel	29.5		0.152	2.31	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Silver	0.247	J	0.147	1.15	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Vanadium	34.2		0.584	2.31	1	05/26/2024 20:58	WG2291331
UC-A3-1-3.0	L1738627-25	Zinc	47.0		0.960	5.77	1	05/26/2024 20:58	WG2291331
BS-B1-1-1.0	L1738627-30	Arsenic	3.15		0.627	2.42	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Barium	66.1		0.103	0.605	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Beryllium	0.188	J	0.0381	0.242	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Cadmium	0.152	J	0.0570	0.605	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Chromium	13.9		0.161	1.21	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Cobalt	7.60		0.0981	1.21	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Copper	44.6		0.484	2.42	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Lead	40.8		0.252	0.605	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Molybdenum	0.479	J	0.132	0.605	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Nickel	22.5		0.160	2.42	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Silver	0.500	J	0.154	1.21	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Thallium	1.67	J	0.477	2.42	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Vanadium	28.4		0.612	2.42	1	06/01/2024 19:00	WG2293711
BS-B1-1-1.0	L1738627-30	Zinc	68.4		1.01	6.05	1	06/01/2024 19:00	WG2293711
BS-B1-1-2.0	L1738627-31	Antimony	2.51		0.635	2.33	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Arsenic	6.20		0.604	2.33	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Barium	160		0.0994	0.583	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Beryllium	0.467		0.0368	0.233	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Cadmium	0.174	J	0.0550	0.583	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Chromium	32.2		0.155	1.17	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Cobalt	12.4		0.0946	1.17	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Copper	34.8	J5	0.467	2.33	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Lead	59.1		0.243	0.583	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Molybdenum	0.156	J	0.127	0.583	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Nickel	41.2		0.154	2.33	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Vanadium	59.6		0.590	2.33	1	05/30/2024 17:19	WG2293709
BS-B1-1-2.0	L1738627-31	Zinc	98.9		0.971	5.83	1	05/30/2024 17:19	WG2293709
BS-B1-1-3.0	L1738627-32	Arsenic	3.21		0.668	2.58	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Barium	185		0.110	0.645	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Beryllium	0.491		0.0406	0.258	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Chromium	24.8		0.172	1.29	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Cobalt	13.7		0.105	1.29	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Copper	18.5		0.516	2.58	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Lead	16.2		0.268	0.645	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Nickel	44.9		0.170	2.58	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Silver	0.608	J	0.164	1.29	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Thallium	1.21	J	0.508	2.58	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Vanadium	35.6		0.653	2.58	1	06/01/2024 19:01	WG2293711
BS-B1-1-3.0	L1738627-32	Zinc	40.9		1.07	6.45	1	06/01/2024 19:01	WG2293711

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052024	L1738627-35	Barium	0.503	J	0.381	2.00	1	05/29/2024 22:50	WG2294310
EB-052024	L1738627-35	Chromium	1.49	J	1.24	2.00	1	05/29/2024 22:50	WG2294310
EB-052024	L1738627-35	Molybdenum	0.711	J	0.348	5.00	1	05/29/2024 22:50	WG2294310

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-3.0	L1738627-03	TPHG C5 - C12	2.26	B J	1.11	3.35	28.5	05/26/2024 02:22	WG2293479
G-A1-1-4.0	L1738627-04	TPHG C5 - C12	4.57	B	1.31	3.96	27	06/02/2024 15:23	WG2297113
G-A1-1-5.0	L1738627-05	TPHG C5 - C12	1.72	B J	1.22	3.68	25	05/26/2024 02:42	WG2293479
G/BS-A2-1-3.0	L1738627-08	TPHG C5 - C12	1.54	B J	1.46	4.40	25	05/26/2024 03:01	WG2293479
G/BS-A2-1-4.0	L1738627-09	TPHG C5 - C12	6.14	B	1.49	4.50	25	06/02/2024 15:46	WG2297113
G/BS-A2-1-5.0	L1738627-10	TPHG C5 - C12	1.79	B J	1.27	3.82	25	05/26/2024 03:20	WG2293479
UC-A2-1-3.0	L1738627-13	TPHG C5 - C12	1.46	B J	1.07	3.22	25	05/26/2024 03:40	WG2293479
UC-A2-1-5.0	L1738627-15	TPHG C5 - C12	1.67	J	1.44	4.33	25	05/23/2024 14:25	WG2291959
G/BS-A3-1-3.0	L1738627-20	TPHG C5 - C12	1.28	J	1.19	3.57	25	05/23/2024 14:44	WG2291959
G/BS-A3-1-5.0	L1738627-22	TPHG C5 - C12	1.95	J	1.31	3.96	25	05/23/2024 15:03	WG2291959
UC-A3-1-3.0	L1738627-25	TPHG C5 - C12	3.27	J	1.15	3.48	26.8	05/23/2024 15:23	WG2291959
UC-A3-1-5.0	L1738627-27	TPHG C5 - C12	2.34	J	1.47	4.44	30	05/23/2024 15:42	WG2291959
BS-B1-1-3.0	L1738627-32	TPHG C5 - C12	1.82	B J	1.35	4.08	26	05/26/2024 03:59	WG2293479
BS-B1-1-5.0	L1738627-34	TPHG C5 - C12	1.83	B J	1.39	4.20	25	05/26/2024 04:19	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-2.0	L1738627-02	Benzene	0.000669	J	0.000578	0.00124	1	05/27/2024 22:38	WG2293465
G-A1-1-2.0	L1738627-02	1,1-Dichloroethene	0.00105	J	0.000751	0.00310	1	05/27/2024 22:38	WG2293465
G-A1-1-2.0	L1738627-02	cis-1,2-Dichloroethene	0.0180		0.000909	0.00310	1	05/27/2024 22:38	WG2293465
G-A1-1-2.0	L1738627-02	trans-1,2-Dichloroethene	0.0166		0.00129	0.00619	1	05/27/2024 22:38	WG2293465
G-A1-1-2.0	L1738627-02	Trichloroethene	0.0114		0.000723	0.00124	1	05/27/2024 22:38	WG2293465
G-A1-1-2.0	L1738627-02	Xylenes, Total	0.00111	J	0.00109	0.00805	1	05/27/2024 22:38	WG2293465
G-A1-1-3.0	L1738627-03	cis-1,2-Dichloroethene	0.0110		0.000984	0.00335	1.14	05/27/2024 22:57	WG2293465
G-A1-1-3.0	L1738627-03	trans-1,2-Dichloroethene	0.00854		0.00140	0.00670	1.14	05/27/2024 22:57	WG2293465
G-A1-1-3.0	L1738627-03	1,1,2,2-Tetrachloroethane	0.00224	J	0.000931	0.00335	1.14	05/27/2024 22:57	WG2293465
G-A1-1-3.0	L1738627-03	Trichloroethene	0.0102		0.000783	0.00134	1.14	05/27/2024 22:57	WG2293465
G-A1-1-3.0	L1738627-03	Xylenes, Total	0.00130	J	0.00118	0.00871	1.14	05/27/2024 22:57	WG2293465
G-A1-1-5.0	L1738627-05	cis-1,2-Dichloroethene	0.0143		0.00108	0.00368	1	05/27/2024 23:16	WG2293465
G-A1-1-5.0	L1738627-05	trans-1,2-Dichloroethene	0.0113		0.00153	0.00736	1	05/27/2024 23:16	WG2293465
G-A1-1-5.0	L1738627-05	Toluene	0.00384	J	0.00191	0.00736	1	05/27/2024 23:16	WG2293465
G-A1-1-5.0	L1738627-05	Trichloroethene	0.00771		0.000859	0.00147	1	05/27/2024 23:16	WG2293465
G-A1-1-5.0	L1738627-05	Xylenes, Total	0.00162	J	0.00129	0.00956	1	05/27/2024 23:16	WG2293465
G/BS-A2-1-2.0	L1738627-07	Xylenes, Total	0.00124	J	0.00110	0.00811	1	05/27/2024 23:36	WG2293465
G/BS-A2-1-5.0	L1738627-10	Toluene	0.00269	J	0.00199	0.00764	1	05/28/2024 00:14	WG2293465
UC-A2-1-5.0	L1738627-15	Toluene	0.00762	J	0.00225	0.00866	1	05/25/2024 23:59	WG2292331
G/BS-A3-1-2.0	L1738627-19	Chlorobenzene	0.000493	J	0.000345	0.00411	1.31	05/26/2024 00:37	WG2292331
G/BS-A3-1-3.0	L1738627-20	Xylenes, Total	0.00168	J	0.00126	0.00928	1	05/28/2024 00:52	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-3.0	L1738627-03	C12-C22 Hydrocarbons	2.58	J	0.801	4.37	1	05/31/2024 10:13	WG2295238
G-A1-1-3.0	L1738627-03	C22-C32 Hydrocarbons	8.30		1.45	4.37	1	05/31/2024 10:13	WG2295238
G-A1-1-3.0	L1738627-03	C32-C40 Hydrocarbons	7.74		1.45	4.37	1	05/31/2024 10:13	WG2295238
G-A1-1-5.0	L1738627-05	C12-C22 Hydrocarbons	3.83	J	0.901	4.91	1	05/30/2024 18:28	WG2295238
G-A1-1-5.0	L1738627-05	C22-C32 Hydrocarbons	18.9		1.63	4.91	1	05/30/2024 18:28	WG2295238
G-A1-1-5.0	L1738627-05	C32-C40 Hydrocarbons	19.4		1.63	4.91	1	05/30/2024 18:28	WG2295238
G/BS-A2-1-3.0	L1738627-08	C12-C22 Hydrocarbons	1.95	J	0.972	5.30	1	05/31/2024 09:58	WG2295238
G/BS-A2-1-3.0	L1738627-08	C22-C32 Hydrocarbons	9.84		1.76	5.30	1	05/31/2024 09:58	WG2295238
G/BS-A2-1-3.0	L1738627-08	C32-C40 Hydrocarbons	5.67		1.76	5.30	1	05/31/2024 09:58	WG2295238
G/BS-A2-1-5.0	L1738627-10	C12-C22 Hydrocarbons	1.54	J	0.913	4.98	1	05/30/2024 17:01	WG2295238
G/BS-A2-1-5.0	L1738627-10	C22-C32 Hydrocarbons	3.46	J	1.66	4.98	1	05/30/2024 17:01	WG2295238
G/BS-A2-1-5.0	L1738627-10	C32-C40 Hydrocarbons	3.39	J	1.66	4.98	1	05/30/2024 17:01	WG2295238
UC-A2-1-3.0	L1738627-13	C22-C32 Hydrocarbons	165		30.0	90.2	20	05/30/2024 20:08	WG2295238
UC-A2-1-3.0	L1738627-13	C32-C40 Hydrocarbons	286		30.0	90.2	20	05/30/2024 20:08	WG2295238
UC-A2-1-5.0	L1738627-15	C12-C22 Hydrocarbons	2.91	J	0.979	5.34	1	05/24/2024 20:51	WG2292509
UC-A2-1-5.0	L1738627-15	C22-C32 Hydrocarbons	8.16		1.78	5.34	1	05/24/2024 20:51	WG2292509
UC-A2-1-5.0	L1738627-15	C32-C40 Hydrocarbons	8.82		1.78	5.34	1	05/24/2024 20:51	WG2292509
G/BS-A3-1-3.0	L1738627-20	C12-C22 Hydrocarbons	15.1	J	4.35	23.7	5	05/24/2024 21:32	WG2292509
G/BS-A3-1-3.0	L1738627-20	C22-C32 Hydrocarbons	134		7.88	23.7	5	05/24/2024 21:32	WG2292509
G/BS-A3-1-3.0	L1738627-20	C32-C40 Hydrocarbons	102		7.88	23.7	5	05/24/2024 21:32	WG2292509
G/BS-A3-1-5.0	L1738627-22	C12-C22 Hydrocarbons	5.45		0.925	5.05	1	05/24/2024 20:23	WG2292509
G/BS-A3-1-5.0	L1738627-22	C22-C32 Hydrocarbons	7.80		1.68	5.05	1	05/24/2024 20:23	WG2292509
G/BS-A3-1-5.0	L1738627-22	C32-C40 Hydrocarbons	4.46	J	1.68	5.05	1	05/24/2024 20:23	WG2292509
UC-A3-1-3.0	L1738627-25	C12-C22 Hydrocarbons	96.7	J	33.8	185	40	05/24/2024 21:46	WG2292509
UC-A3-1-3.0	L1738627-25	C22-C32 Hydrocarbons	553		61.4	185	40	05/24/2024 21:46	WG2292509
UC-A3-1-3.0	L1738627-25	C32-C40 Hydrocarbons	691		61.4	185	40	05/24/2024 21:46	WG2292509
UC-A3-1-5.0	L1738627-27	C12-C22 Hydrocarbons	5.99		0.925	5.05	1	05/24/2024 19:42	WG2292509
UC-A3-1-5.0	L1738627-27	C22-C32 Hydrocarbons	8.74		1.68	5.05	1	05/24/2024 19:42	WG2292509
UC-A3-1-5.0	L1738627-27	C32-C40 Hydrocarbons	2.81	J	1.68	5.05	1	05/24/2024 19:42	WG2292509
BS-B1-1-3.0	L1738627-32	C12-C22 Hydrocarbons	9.78	J	4.73	25.8	5	05/30/2024 19:11	WG2295238
BS-B1-1-3.0	L1738627-32	C22-C32 Hydrocarbons	75.0		8.58	25.8	5	05/30/2024 19:11	WG2295238
BS-B1-1-3.0	L1738627-32	C32-C40 Hydrocarbons	61.0		8.58	25.8	5	05/30/2024 19:11	WG2295238
BS-B1-1-5.0	L1738627-34	C22-C32 Hydrocarbons	173		17.4	52.4	10	05/30/2024 19:25	WG2295238
BS-B1-1-5.0	L1738627-34	C32-C40 Hydrocarbons	212		17.4	52.4	10	05/30/2024 19:25	WG2295238

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-1.0	L1738627-01	PCB 1260	0.0343		0.00824	0.0190	1	05/28/2024 11:55	WG2294060
G-A1-1-2.0	L1738627-02	PCB 1260	0.731		0.00823	0.0190	1	06/06/2024 00:43	WG2298713
G/BS-A2-1-1.0	L1738627-06	PCB 1260	0.0352		0.00823	0.0190	1	05/28/2024 12:04	WG2294060
G/BS-A2-1-2.0	L1738627-07	PCB 1260	0.133		0.00827	0.0190	1	06/06/2024 00:52	WG2298713
UC-A2-1-1.0	L1738627-11	PCB 1260	0.147		0.00797	0.0184	1	05/28/2024 12:13	WG2294060
G/BS-A3-1-1.0	L1738627-18	PCB 1260	0.255		0.00810	0.0187	1	05/22/2024 15:39	WG2291058
UC-A3-1-1.0	L1738627-23	PCB 1260	0.0195		0.00785	0.0181	1	05/22/2024 15:57	WG2291058

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-A1-1-2.0	L1738627-02	Benzo(a)anthracene	0.0655	J	0.0655	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-2.0	L1738627-02	Benzo(b)fluoranthene	0.0977	J	0.0693	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-2.0	L1738627-02	Benzo(a)pyrene	0.0815	J	0.0691	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-2.0	L1738627-02	Chrysene	0.0878	J	0.0739	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-2.0	L1738627-02	Fluoranthene	0.0734	J	0.0671	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-2.0	L1738627-02	Pyrene	0.0896	J	0.0723	0.372	10	05/31/2024 02:48	WG2294807
G-A1-1-3.0	L1738627-03	Benzo(b)fluoranthene	0.00881	J	0.00679	0.0364	1	05/30/2024 22:44	WG2294807
G-A1-1-3.0	L1738627-03	Benzo(g,h,i)perylene	0.00687	J	0.00666	0.0364	1	05/30/2024 22:44	WG2294807
G-A1-1-3.0	L1738627-03	Fluoranthene	0.00882	J	0.00657	0.0364	1	05/30/2024 22:44	WG2294807
G-A1-1-3.0	L1738627-03	Pyrene	0.00972	J	0.00709	0.0364	1	05/30/2024 22:44	WG2294807
G/BS-A2-1-1.0	L1738627-06	Benzo(a)anthracene	0.0883	J	0.0655	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-1.0	L1738627-06	Benzo(b)fluoranthene	0.155	J	0.0693	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-1.0	L1738627-06	Benzo(a)pyrene	0.113	J	0.0690	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-1.0	L1738627-06	Chrysene	0.104	J	0.0738	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-1.0	L1738627-06	Fluoranthene	0.0936	J	0.0670	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-1.0	L1738627-06	Pyrene	0.108	J	0.0723	0.371	10	05/31/2024 05:15	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzo(a)anthracene	0.0317	J	0.0131	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzo(b)fluoranthene	0.0601	J	0.0139	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzo(k)fluoranthene	0.0187	J	0.0132	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzo(g,h,i)perylene	0.0372	J	0.0137	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzo(a)pyrene	0.0396	J	0.0139	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Chrysene	0.0471	J	0.0148	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Fluoranthene	0.0419	J	0.0134	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Indeno(1,2,3-cd)pyrene	0.0369	J	0.0211	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Phenanthrene	0.0251	J	0.0148	0.0746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Benzylbutyl phthalate	0.0337	J	0.0233	0.746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Di-n-butyl phthalate	0.0529	J	0.0255	0.746	2	05/31/2024 02:24	WG2294807
G/BS-A2-1-2.0	L1738627-07	Pyrene	0.0478	J	0.0146	0.0746	2	05/31/2024 02:24	WG2294807
UC-A2-1-1.0	L1738627-11	Benzo(a)anthracene	0.0275	J	0.0126	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Benzo(b)fluoranthene	0.0630	J	0.0134	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Benzo(k)fluoranthene	0.0188	J	0.0127	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Benzo(g,h,i)perylene	0.0366	J	0.0132	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Benzo(a)pyrene	0.0356	J	0.0134	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Chrysene	0.0346	J	0.0143	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Fluoranthene	0.0484	J	0.0130	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Indeno(1,2,3-cd)pyrene	0.0422	J	0.0203	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Phenanthrene	0.0255	J	0.0143	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Benzylbutyl phthalate	0.402	J	0.0225	0.719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Bis(2-ethylhexyl)phthalate	0.140	J	0.0911	0.719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Di-n-butyl phthalate	0.0326	J	0.0246	0.719	2	05/31/2024 01:35	WG2294807
UC-A2-1-1.0	L1738627-11	Pyrene	0.0514	J	0.0140	0.0719	2	05/31/2024 01:35	WG2294807
UC-A2-1-3.0	L1738627-13	Acenaphthylene	0.405		0.0529	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Anthracene	0.483		0.0669	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Benzo(a)anthracene	1.66		0.0662	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Benzo(b)fluoranthene	1.75		0.0700	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Benzo(k)fluoranthene	0.676		0.0667	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Benzo(g,h,i)perylene	0.630		0.0687	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Benzo(a)pyrene	1.52		0.0698	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Chrysene	1.70		0.0746	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Dibenz(a,h)anthracene	0.202	J	0.104	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Fluoranthene	3.80		0.0678	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Fluorene	0.138	J	0.0611	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Indeno(1,2,3-cd)pyrene	0.821		0.106	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Naphthalene	0.101	J	0.0943	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Phenanthrene	3.13		0.0745	0.375	10	05/31/2024 10:56	WG2294807
UC-A2-1-3.0	L1738627-13	Pyrene	3.46		0.0731	0.375	10	05/31/2024 10:56	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-A3-1-1.0	L1738627-18	Acenaphthylene	0.0374	J	0.0103	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Anthracene	0.0437	J	0.0131	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Benzo(a)anthracene	0.133		0.0128	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Benzo(b)fluoranthene	0.203		0.0136	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Benzo(k)fluoranthene	0.0614	J	0.0130	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Benzo(g,h,i)perylene	0.131		0.0134	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Benzo(a)pyrene	0.154		0.0136	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Chrysene	0.170		0.0145	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Dibenz(a,h)anthracene	0.0269	J	0.0203	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Fluoranthene	0.286		0.0132	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Fluorene	0.0226	J	0.0119	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Indeno(1,2,3-cd)pyrene	0.139		0.0206	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Naphthalene	0.0881		0.0183	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Phenanthrene	0.290		0.0145	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Di-n-butyl phthalate	0.304	J	0.0250	0.731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-1.0	L1738627-18	Pyrene	0.297		0.0143	0.0731	2	05/31/2024 00:46	WG2294807
G/BS-A3-1-2.0	L1738627-19	Benzo(b)fluoranthene	0.0204	J	0.0142	0.0762	2	05/30/2024 23:33	WG2294807
G/BS-A3-1-2.0	L1738627-19	Fluoranthene	0.0294	J	0.0137	0.0762	2	05/30/2024 23:33	WG2294807
G/BS-A3-1-2.0	L1738627-19	Phenanthrene	0.0205	J	0.0151	0.0762	2	05/30/2024 23:33	WG2294807
G/BS-A3-1-2.0	L1738627-19	Pyrene	0.0267	J	0.0149	0.0762	2	05/30/2024 23:33	WG2294807
BS-B1-1-1.0	L1738627-30	Benzo(a)anthracene	0.0318	J	0.0142	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Benzo(b)fluoranthene	0.0315	J	0.0150	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Benzo(g,h,i)perylene	0.0201	J	0.0148	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Benzo(a)pyrene	0.0298	J	0.0150	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Chrysene	0.0317	J	0.0160	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Fluoranthene	0.0650	J	0.0145	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Indeno(1,2,3-cd)pyrene	0.0229	J	0.0227	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Phenanthrene	0.0273	J	0.0160	0.0806	2	05/31/2024 00:22	WG2294807
BS-B1-1-1.0	L1738627-30	Pyrene	0.0598	J	0.0157	0.0806	2	05/31/2024 00:22	WG2294807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.305		0.0201	0.0446	1	05/27/2024 13:24	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.607	2.23	1	06/01/2024 18:40	WG2293711
Arsenic	2.79		0.578	2.23	1	06/01/2024 18:40	WG2293711
Barium	110		0.0951	0.558	1	06/01/2024 18:40	WG2293711
Beryllium	0.275		0.0352	0.223	1	06/01/2024 18:40	WG2293711
Cadmium	0.263	J	0.0526	0.558	1	06/01/2024 18:40	WG2293711
Chromium	42.5		0.148	1.12	1	06/01/2024 18:40	WG2293711
Cobalt	14.5		0.0905	1.12	1	06/01/2024 18:40	WG2293711
Copper	54.5		0.446	2.23	1	06/01/2024 18:40	WG2293711
Lead	117		0.232	0.558	1	06/01/2024 18:40	WG2293711
Molybdenum	1.72		0.122	0.558	1	06/01/2024 18:40	WG2293711
Nickel	21.0		0.147	2.23	1	06/01/2024 18:40	WG2293711
Selenium	U		0.853	2.23	1	06/01/2024 18:40	WG2293711
Silver	0.999	J	0.142	1.12	1	06/01/2024 18:40	WG2293711
Thallium	U		0.440	2.23	1	06/04/2024 10:31	WG2293711
Vanadium	51.1		0.565	2.23	1	06/01/2024 18:40	WG2293711
Zinc	88.6		0.929	5.58	1	06/01/2024 18:40	WG2293711

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0379	1	05/28/2024 11:55	WG2294060
PCB 1221	U		0.0132	0.0379	1	05/28/2024 11:55	WG2294060
PCB 1232	U		0.0132	0.0379	1	05/28/2024 11:55	WG2294060
PCB 1242	U		0.0132	0.0379	1	05/28/2024 11:55	WG2294060
PCB 1248	U		0.00824	0.0190	1	05/28/2024 11:55	WG2294060
PCB 1254	U		0.00824	0.0190	1	05/28/2024 11:55	WG2294060
PCB 1260	0.0343		0.00824	0.0190	1	05/28/2024 11:55	WG2294060
(S) Decachlorobiphenyl	*66.0*			*10.0-135*		*05/28/2024 11:55*	WG2294060
(S) Tetrachloro-m-xylene	*64.8*			*10.0-139*		*05/28/2024 11:55*	WG2294060

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0602	0.372	10	05/31/2024 04:26	WG2294807
Acenaphthylene	U		0.0523	0.372	10	05/31/2024 04:26	WG2294807
Anthracene	U		0.0662	0.372	10	05/31/2024 04:26	WG2294807
Benzidine	U		0.699	18.6	10	05/31/2024 04:26	WG2294807
Benzo(a)anthracene	U		0.0655	0.372	10	05/31/2024 04:26	WG2294807
Benzo(b)fluoranthene	U		0.0693	0.372	10	05/31/2024 04:26	WG2294807
Benzo(k)fluoranthene	U		0.0661	0.372	10	05/31/2024 04:26	WG2294807
Benzo(g,h,i)perylene	U		0.0680	0.372	10	05/31/2024 04:26	WG2294807
Benzo(a)pyrene	U		0.0691	0.372	10	05/31/2024 04:26	WG2294807
Bis(2-chlorethoxy)methane	U		0.112	3.72	10	05/31/2024 04:26	WG2294807
Bis(2-chloroethyl)ether	U		0.123	3.72	10	05/31/2024 04:26	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.161	3.72	10	05/31/2024 04:26	WG2294807
4-Bromophenyl-phenylether	U		0.131	3.72	10	05/31/2024 04:26	WG2294807
2-Chloronaphthalene	U		0.0653	0.372	10	05/31/2024 04:26	WG2294807
4-Chlorophenyl-phenylether	U		0.129	3.72	10	05/31/2024 04:26	WG2294807
Chrysene	U		0.0739	0.372	10	05/31/2024 04:26	WG2294807
Dibenz(a,h)anthracene	U		0.103	0.372	10	05/31/2024 04:26	WG2294807
1,2-Dichlorobenzene	U		0.110	3.72	10	05/31/2024 04:26	WG2294807
1,3-Dichlorobenzene	U		0.113	3.72	10	05/31/2024 04:26	WG2294807
1,4-Dichlorobenzene	U		0.111	3.72	10	05/31/2024 04:26	WG2294807
3,3-Dichlorobenzidine	U		0.137	3.72	10	05/31/2024 04:26	WG2294807
2,4-Dinitrotoluene	U		0.107	3.72	10	05/31/2024 04:26	WG2294807
2,6-Dinitrotoluene	U		0.122	3.72	10	05/31/2024 04:26	WG2294807
Fluoranthene	U		0.0671	0.372	10	05/31/2024 04:26	WG2294807
Fluorene	U		0.0605	0.372	10	05/31/2024 04:26	WG2294807
Hexachlorobenzene	U		0.132	3.72	10	05/31/2024 04:26	WG2294807
Hexachloro-1,3-butadiene	U		0.125	3.72	10	05/31/2024 04:26	WG2294807
Hexachlorocyclopentadiene	U		0.195	3.72	10	05/31/2024 04:26	WG2294807
Hexachloroethane	U		0.146	3.72	10	05/31/2024 04:26	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.105	0.372	10	05/31/2024 04:26	WG2294807
Isophorone	U		0.114	3.72	10	05/31/2024 04:26	WG2294807
Naphthalene	U		0.0933	0.372	10	05/31/2024 04:26	WG2294807
Nitrobenzene	U		0.129	3.72	10	05/31/2024 04:26	WG2294807
n-Nitrosodimethylamine	U		0.551	3.72	10	05/31/2024 04:26	WG2294807
n-Nitrosodiphenylamine	U		0.281	3.72	10	05/31/2024 04:26	WG2294807
n-Nitrosodi-n-propylamine	U		0.124	3.72	10	05/31/2024 04:26	WG2294807
Phenanthrene	U		0.0738	0.372	10	05/31/2024 04:26	WG2294807
Benzylbutyl phthalate	U		0.116	3.72	10	05/31/2024 04:26	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.471	3.72	10	05/31/2024 04:26	WG2294807
Di-n-butyl phthalate	U		0.127	3.72	10	05/31/2024 04:26	WG2294807
Diethyl phthalate	U		0.123	3.72	10	05/31/2024 04:26	WG2294807
Dimethyl phthalate	U		0.788	3.72	10	05/31/2024 04:26	WG2294807
Di-n-octyl phthalate	U		0.251	3.72	10	05/31/2024 04:26	WG2294807
Pyrene	U		0.0723	0.372	10	05/31/2024 04:26	WG2294807
1,2,4-Trichlorobenzene	U		0.116	3.72	10	05/31/2024 04:26	WG2294807
4-Chloro-3-methylphenol	U		0.121	3.72	10	05/31/2024 04:26	WG2294807
2-Chlorophenol	U		0.123	3.72	10	05/31/2024 04:26	WG2294807
2,4-Dichlorophenol	U		0.108	3.72	10	05/31/2024 04:26	WG2294807
2,4-Dimethylphenol	U		0.0971	3.72	10	05/31/2024 04:26	WG2294807
4,6-Dinitro-2-methylphenol	U		0.843	3.72	10	05/31/2024 04:26	WG2294807
2,4-Dinitrophenol	U		0.869	3.72	10	05/31/2024 04:26	WG2294807
2-Nitrophenol	U		0.133	3.72	10	05/31/2024 04:26	WG2294807
4-Nitrophenol	U		0.116	3.72	10	05/31/2024 04:26	WG2294807
Pentachlorophenol	U		0.100	3.72	10	05/31/2024 04:26	WG2294807
Phenol	U		0.150	3.72	10	05/31/2024 04:26	WG2294807
2,4,6-Trichlorophenol	U		0.119	3.72	10	05/31/2024 04:26	WG2294807
(S) 2-Fluorophenol	*101*			*12.0-120*		*05/31/2024 04:26*	WG2294807
(S) Phenol-d5	*92.6*			*10.0-120*		*05/31/2024 04:26*	WG2294807
(S) Nitrobenzene-d5	*77.6*			*10.0-122*		*05/31/2024 04:26*	WG2294807
(S) 2-Fluorobiphenyl	*93.1*			*15.0-120*		*05/31/2024 04:26*	WG2294807
(S) 2,4,6-Tribromophenol	*74.8*			*10.0-127*		*05/31/2024 04:26*	WG2294807
(S) p-Terphenyl-d14	*94.6*			*10.0-120*		*05/31/2024 04:26*	WG2294807

Sample Narrative:

L1738627-01 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.09		0.0201	0.0446	1	05/27/2024 13:27	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.607	2.23	1	06/01/2024 18:42	WG2293711
Arsenic	2.45		0.578	2.23	1	06/01/2024 18:42	WG2293711
Barium	270		0.0951	0.558	1	06/01/2024 18:42	WG2293711
Beryllium	0.264		0.0351	0.223	1	06/01/2024 18:42	WG2293711
Cadmium	0.380	J	0.0526	0.558	1	06/01/2024 18:42	WG2293711
Chromium	17.7		0.148	1.12	1	06/01/2024 18:42	WG2293711
Cobalt	12.7		0.0905	1.12	1	06/01/2024 18:42	WG2293711
Copper	35.3		0.446	2.23	1	06/01/2024 18:42	WG2293711
Lead	47.5		0.232	0.558	1	06/01/2024 18:42	WG2293711
Molybdenum	0.500	J	0.122	0.558	1	06/01/2024 18:42	WG2293711
Nickel	27.3		0.147	2.23	1	06/01/2024 18:42	WG2293711
Selenium	U		0.852	2.23	1	06/01/2024 18:42	WG2293711
Silver	0.561	J	0.142	1.12	1	06/01/2024 18:42	WG2293711
Thallium	1.74	J	0.440	2.23	1	06/01/2024 18:42	WG2293711
Vanadium	23.1		0.565	2.23	1	06/01/2024 18:42	WG2293711
Zinc	122		0.928	5.58	1	06/01/2024 18:42	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0452	0.0619	1	05/27/2024 22:38	WG2293465
Acrylonitrile	U		0.00447	0.0155	1	05/27/2024 22:38	WG2293465
Benzene	0.000669	J	0.000578	0.00124	1	05/27/2024 22:38	WG2293465
Bromobenzene	U		0.00111	0.0155	1	05/27/2024 22:38	WG2293465
Bromodichloromethane	U		0.000898	0.00310	1	05/27/2024 22:38	WG2293465
Bromoform	U		0.00145	0.0310	1	05/27/2024 22:38	WG2293465
Bromomethane	U		0.00244	0.0155	1	05/27/2024 22:38	WG2293465
n-Butylbenzene	U		0.00650	0.0155	1	05/27/2024 22:38	WG2293465
sec-Butylbenzene	U		0.00357	0.0155	1	05/27/2024 22:38	WG2293465
tert-Butylbenzene	U		0.00242	0.00619	1	05/27/2024 22:38	WG2293465
Carbon tetrachloride	U		0.00111	0.00619	1	05/27/2024 22:38	WG2293465
Chlorobenzene	U		0.000260	0.00310	1	05/27/2024 22:38	WG2293465
Chlorodibromomethane	U		0.000758	0.00310	1	05/27/2024 22:38	WG2293465
Chloroethane	U		0.00211	0.00619	1	05/27/2024 22:38	WG2293465
Chloroform	U		0.00128	0.00310	1	05/27/2024 22:38	WG2293465
Chloromethane	U		0.00539	0.0155	1	05/27/2024 22:38	WG2293465
2-Chlorotoluene	U		0.00107	0.00310	1	05/27/2024 22:38	WG2293465
4-Chlorotoluene	U	J4	0.000557	0.00619	1	05/27/2024 22:38	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00483	0.0310	1	05/27/2024 22:38	WG2293465
1,2-Dibromoethane	U		0.000803	0.00310	1	05/27/2024 22:38	WG2293465
Dibromomethane	U		0.000929	0.00619	1	05/27/2024 22:38	WG2293465
1,2-Dichlorobenzene	U		0.000526	0.00619	1	05/27/2024 22:38	WG2293465
1,3-Dichlorobenzene	U		0.000743	0.00619	1	05/27/2024 22:38	WG2293465
1,4-Dichlorobenzene	U		0.000867	0.00619	1	05/27/2024 22:38	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00199	0.00619	1	05/27/2024 22:38	WG2293465
1,1-Dichloroethane	U		0.000608	0.00310	1	05/27/2024 22:38	WG2293465
1,2-Dichloroethane	U		0.000804	0.00310	1	05/27/2024 22:38	WG2293465
1,1-Dichloroethene	0.00105	J	0.000751	0.00310	1	05/27/2024 22:38	WG2293465
cis-1,2-Dichloroethene	0.0180		0.000909	0.00310	1	05/27/2024 22:38	WG2293465
trans-1,2-Dichloroethene	0.0166		0.00129	0.00619	1	05/27/2024 22:38	WG2293465
1,2-Dichloropropane	U		0.00176	0.00619	1	05/27/2024 22:38	WG2293465
1,1-Dichloropropene	U		0.00100	0.00310	1	05/27/2024 22:38	WG2293465
1,3-Dichloropropane	U		0.000621	0.00619	1	05/27/2024 22:38	WG2293465
cis-1,3-Dichloropropene	U		0.000938	0.00310	1	05/27/2024 22:38	WG2293465
trans-1,3-Dichloropropene	U		0.00141	0.00619	1	05/27/2024 22:38	WG2293465
2,2-Dichloropropane	U		0.00171	0.00310	1	05/27/2024 22:38	WG2293465
Di-isopropyl ether	U		0.000508	0.00124	1	05/27/2024 22:38	WG2293465
Ethylbenzene	U		0.000913	0.00310	1	05/27/2024 22:38	WG2293465
Hexachloro-1,3-butadiene	U		0.00743	0.0310	1	05/27/2024 22:38	WG2293465
Isopropylbenzene	U		0.000526	0.00310	1	05/27/2024 22:38	WG2293465
p-Isopropyltoluene	U		0.00316	0.00619	1	05/27/2024 22:38	WG2293465
2-Butanone (MEK)	U	J4	0.0787	0.124	1	05/27/2024 22:38	WG2293465
Methylene Chloride	U		0.00822	0.0310	1	05/27/2024 22:38	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00282	0.0310	1	05/27/2024 22:38	WG2293465
Methyl tert-butyl ether	U		0.000434	0.00124	1	05/27/2024 22:38	WG2293465
Naphthalene	U	J3	0.00604	0.0155	1	05/27/2024 22:38	WG2293465
n-Propylbenzene	U		0.00118	0.00619	1	05/27/2024 22:38	WG2293465
Styrene	U		0.000284	0.0155	1	05/27/2024 22:38	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00117	0.00310	1	05/27/2024 22:38	WG2293465
1,1,2,2-Tetrachloroethane	U		0.000861	0.00310	1	05/27/2024 22:38	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.000934	0.00310	1	05/27/2024 22:38	WG2293465
Tetrachloroethene	U		0.00111	0.00310	1	05/27/2024 22:38	WG2293465
Toluene	U		0.00161	0.00619	1	05/27/2024 22:38	WG2293465
1,2,3-Trichlorobenzene	U		0.00908	0.0155	1	05/27/2024 22:38	WG2293465
1,2,4-Trichlorobenzene	U		0.00545	0.0155	1	05/27/2024 22:38	WG2293465
1,1,1-Trichloroethane	U		0.00114	0.00310	1	05/27/2024 22:38	WG2293465
1,1,2-Trichloroethane	U		0.000739	0.00310	1	05/27/2024 22:38	WG2293465
Trichloroethene	0.0114		0.000723	0.00124	1	05/27/2024 22:38	WG2293465
Trichlorofluoromethane	U		0.00102	0.00310	1	05/27/2024 22:38	WG2293465
1,2,3-Trichloropropane	U		0.00201	0.0155	1	05/27/2024 22:38	WG2293465
1,2,4-Trimethylbenzene	U		0.00196	0.00619	1	05/27/2024 22:38	WG2293465
1,2,3-Trimethylbenzene	U		0.00196	0.00619	1	05/27/2024 22:38	WG2293465
1,3,5-Trimethylbenzene	U		0.00248	0.00619	1	05/27/2024 22:38	WG2293465
Vinyl chloride	U		0.00144	0.00310	1	05/27/2024 22:38	WG2293465
Xylenes, Total	0.00111	J	0.00109	0.00805	1	05/27/2024 22:38	WG2293465
(S) Toluene-d8	*101*			*75.0-131*		*05/27/2024 22:38*	WG2293465
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/27/2024 22:38*	WG2293465
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*05/27/2024 22:38*	WG2293465

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0132	0.0379	1	06/06/2024 00:43	WG2298713
PCB 1221	U		0.0132	0.0379	1	06/06/2024 00:43	WG2298713
PCB 1232	U		0.0132	0.0379	1	06/06/2024 00:43	WG2298713
PCB 1242	U		0.0132	0.0379	1	06/06/2024 00:43	WG2298713
PCB 1248	U		0.00823	0.0190	1	06/06/2024 00:43	WG2298713
PCB 1254	U		0.00823	0.0190	1	06/06/2024 00:43	WG2298713
PCB 1260	0.731		0.00823	0.0190	1	06/06/2024 00:43	WG2298713
(S) Decachlorobiphenyl	*72.7*			*10.0-135*		*06/06/2024 00:43*	WG2298713

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*76.6*			*10.0-139*		*06/06/2024 00:43*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0601	0.372	10	05/31/2024 02:48	WG2294807
Acenaphthylene	U		0.0523	0.372	10	05/31/2024 02:48	WG2294807
Anthracene	U		0.0662	0.372	10	05/31/2024 02:48	WG2294807
Benzidine	U		0.698	18.6	10	05/31/2024 02:48	WG2294807
Benzo(a)anthracene	0.0655	J	0.0655	0.372	10	05/31/2024 02:48	WG2294807
Benzo(b)fluoranthene	0.0977	J	0.0693	0.372	10	05/31/2024 02:48	WG2294807
Benzo(k)fluoranthene	U		0.0661	0.372	10	05/31/2024 02:48	WG2294807
Benzo(g,h,i)perylene	U		0.0679	0.372	10	05/31/2024 02:48	WG2294807
Benzo(a)pyrene	0.0815	J	0.0691	0.372	10	05/31/2024 02:48	WG2294807
Bis(2-chlorethoxy)methane	U		0.112	3.72	10	05/31/2024 02:48	WG2294807
Bis(2-chloroethyl)ether	U		0.123	3.72	10	05/31/2024 02:48	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.161	3.72	10	05/31/2024 02:48	WG2294807
4-Bromophenyl-phenylether	U		0.131	3.72	10	05/31/2024 02:48	WG2294807
2-Chloronaphthalene	U		0.0653	0.372	10	05/31/2024 02:48	WG2294807
4-Chlorophenyl-phenylether	U		0.129	3.72	10	05/31/2024 02:48	WG2294807
Chrysene	0.0878	J	0.0739	0.372	10	05/31/2024 02:48	WG2294807
Dibenz(a,h)anthracene	U		0.103	0.372	10	05/31/2024 02:48	WG2294807
1,2-Dichlorobenzene	U		0.110	3.72	10	05/31/2024 02:48	WG2294807
1,3-Dichlorobenzene	U		0.113	3.72	10	05/31/2024 02:48	WG2294807
1,4-Dichlorobenzene	U		0.111	3.72	10	05/31/2024 02:48	WG2294807
3,3-Dichlorobenzidine	U		0.137	3.72	10	05/31/2024 02:48	WG2294807
2,4-Dinitrotoluene	U		0.107	3.72	10	05/31/2024 02:48	WG2294807
2,6-Dinitrotoluene	U		0.122	3.72	10	05/31/2024 02:48	WG2294807
Fluoranthene	0.0734	J	0.0671	0.372	10	05/31/2024 02:48	WG2294807
Fluorene	U		0.0605	0.372	10	05/31/2024 02:48	WG2294807
Hexachlorobenzene	U		0.132	3.72	10	05/31/2024 02:48	WG2294807
Hexachloro-1,3-butadiene	U		0.125	3.72	10	05/31/2024 02:48	WG2294807
Hexachlorocyclopentadiene	U	J3 J6	0.195	3.72	10	05/31/2024 02:48	WG2294807
Hexachloroethane	U		0.146	3.72	10	05/31/2024 02:48	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.105	0.372	10	05/31/2024 02:48	WG2294807
Isophorone	U		0.114	3.72	10	05/31/2024 02:48	WG2294807
Naphthalene	U		0.0933	0.372	10	05/31/2024 02:48	WG2294807
Nitrobenzene	U		0.129	3.72	10	05/31/2024 02:48	WG2294807
n-Nitrosodimethylamine	U	J6	0.551	3.72	10	05/31/2024 02:48	WG2294807
n-Nitrosodiphenylamine	U		0.281	3.72	10	05/31/2024 02:48	WG2294807
n-Nitrosodi-n-propylamine	U		0.124	3.72	10	05/31/2024 02:48	WG2294807
Phenanthrene	U		0.0738	0.372	10	05/31/2024 02:48	WG2294807
Benzylbutyl phthalate	U		0.116	3.72	10	05/31/2024 02:48	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.471	3.72	10	05/31/2024 02:48	WG2294807
Di-n-butyl phthalate	U		0.127	3.72	10	05/31/2024 02:48	WG2294807
Diethyl phthalate	U		0.123	3.72	10	05/31/2024 02:48	WG2294807
Dimethyl phthalate	U		0.788	3.72	10	05/31/2024 02:48	WG2294807
Di-n-octyl phthalate	U	J5	0.251	3.72	10	05/31/2024 02:48	WG2294807
Pyrene	0.0896	J	0.0723	0.372	10	05/31/2024 02:48	WG2294807
1,2,4-Trichlorobenzene	U		0.116	3.72	10	05/31/2024 02:48	WG2294807
4-Chloro-3-methylphenol	U		0.121	3.72	10	05/31/2024 02:48	WG2294807
2-Chlorophenol	U		0.123	3.72	10	05/31/2024 02:48	WG2294807
2,4-Dichlorophenol	U		0.108	3.72	10	05/31/2024 02:48	WG2294807
2,4-Dimethylphenol	U		0.0971	3.72	10	05/31/2024 02:48	WG2294807
4,6-Dinitro-2-methylphenol	U		0.842	3.72	10	05/31/2024 02:48	WG2294807
2,4-Dinitrophenol	U	J6	0.869	3.72	10	05/31/2024 02:48	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.133	3.72	10	05/31/2024 02:48	WG2294807
4-Nitrophenol	U		0.116	3.72	10	05/31/2024 02:48	WG2294807
Pentachlorophenol	U		0.100	3.72	10	05/31/2024 02:48	WG2294807
Phenol	U		0.150	3.72	10	05/31/2024 02:48	WG2294807
2,4,6-Trichlorophenol	U		0.119	3.72	10	05/31/2024 02:48	WG2294807
(S) 2-Fluorophenol	*84.8*			*12.0-120*		*05/31/2024 02:48*	WG2294807
(S) Phenol-d5	*77.3*			*10.0-120*		*05/31/2024 02:48*	WG2294807
(S) Nitrobenzene-d5	*62.0*			*10.0-122*		*05/31/2024 02:48*	WG2294807
(S) 2-Fluorobiphenyl	*77.2*			*15.0-120*		*05/31/2024 02:48*	WG2294807
(S) 2,4,6-Tribromophenol	*81.8*			*10.0-127*		*05/31/2024 02:48*	WG2294807
(S) p-Terphenyl-d14	*83.3*			*10.0-120*		*05/31/2024 02:48*	WG2294807

Sample Narrative:

L1738627-02 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.143		0.0197	0.0437	1	05/27/2024 13:29	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.595	2.19	1	06/01/2024 18:43	WG2293711
Arsenic	2.79		0.566	2.19	1	06/01/2024 18:43	WG2293711
Barium	152		0.0932	0.547	1	06/01/2024 18:43	WG2293711
Beryllium	0.213	J	0.0344	0.219	1	06/01/2024 18:43	WG2293711
Cadmium	0.718		0.0515	0.547	1	06/01/2024 18:43	WG2293711
Chromium	22.0		0.145	1.09	1	06/01/2024 18:43	WG2293711
Cobalt	11.3		0.0887	1.09	1	06/01/2024 18:43	WG2293711
Copper	22.6		0.437	2.19	1	06/01/2024 18:43	WG2293711
Lead	67.4		0.227	0.547	1	06/01/2024 18:43	WG2293711
Molybdenum	0.184	J	0.119	0.547	1	06/01/2024 18:43	WG2293711
Nickel	27.9		0.144	2.19	1	06/01/2024 18:43	WG2293711
Selenium	U		0.835	2.19	1	06/01/2024 18:43	WG2293711
Silver	0.553	J	0.139	1.09	1	06/01/2024 18:43	WG2293711
Thallium	1.15	J	0.431	2.19	1	06/01/2024 18:43	WG2293711
Vanadium	27.4		0.553	2.19	1	06/01/2024 18:43	WG2293711
Zinc	135		0.910	5.47	1	06/01/2024 18:43	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.26	B J	1.11	3.35	28.5	05/26/2024 02:22	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*05/26/2024 02:22*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0489	0.0670	1.14	05/27/2024 22:57	WG2293465
Acrylonitrile	U		0.00484	0.0168	1.14	05/27/2024 22:57	WG2293465
Benzene	U		0.000625	0.00134	1.14	05/27/2024 22:57	WG2293465
Bromobenzene	U		0.00121	0.0168	1.14	05/27/2024 22:57	WG2293465
Bromodichloromethane	U		0.000972	0.00335	1.14	05/27/2024 22:57	WG2293465
Bromoform	U		0.00156	0.0335	1.14	05/27/2024 22:57	WG2293465
Bromomethane	U		0.00264	0.0168	1.14	05/27/2024 22:57	WG2293465
n-Butylbenzene	U		0.00704	0.0168	1.14	05/27/2024 22:57	WG2293465
sec-Butylbenzene	U		0.00385	0.0168	1.14	05/27/2024 22:57	WG2293465
tert-Butylbenzene	U		0.00261	0.00670	1.14	05/27/2024 22:57	WG2293465
Carbon tetrachloride	U		0.00120	0.00670	1.14	05/27/2024 22:57	WG2293465
Chlorobenzene	U		0.000281	0.00335	1.14	05/27/2024 22:57	WG2293465
Chlorodibromomethane	U		0.000820	0.00335	1.14	05/27/2024 22:57	WG2293465
Chloroethane	U		0.00228	0.00670	1.14	05/27/2024 22:57	WG2293465
Chloroform	U		0.00137	0.00335	1.14	05/27/2024 22:57	WG2293465
Chloromethane	U		0.00583	0.0168	1.14	05/27/2024 22:57	WG2293465
2-Chlorotoluene	U		0.00116	0.00335	1.14	05/27/2024 22:57	WG2293465
4-Chlorotoluene	U	J4	0.000603	0.00670	1.14	05/27/2024 22:57	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00523	0.0335	1.14	05/27/2024 22:57	WG2293465
1,2-Dibromoethane	U		0.000868	0.00335	1.14	05/27/2024 22:57	WG2293465
Dibromomethane	U		0.00100	0.00670	1.14	05/27/2024 22:57	WG2293465
1,2-Dichlorobenzene	U		0.000570	0.00670	1.14	05/27/2024 22:57	WG2293465
1,3-Dichlorobenzene	U		0.000804	0.00670	1.14	05/27/2024 22:57	WG2293465
1,4-Dichlorobenzene	U		0.000938	0.00670	1.14	05/27/2024 22:57	WG2293465
Dichlorodifluoromethane	U		0.00216	0.00670	1.14	05/27/2024 22:57	WG2293465
1,1-Dichloroethane	U		0.000658	0.00335	1.14	05/27/2024 22:57	WG2293465
1,2-Dichloroethane	U		0.000870	0.00335	1.14	05/27/2024 22:57	WG2293465
1,1-Dichloroethene	U		0.000812	0.00335	1.14	05/27/2024 22:57	WG2293465
cis-1,2-Dichloroethene	0.0110		0.000984	0.00335	1.14	05/27/2024 22:57	WG2293465
trans-1,2-Dichloroethene	0.00854		0.00140	0.00670	1.14	05/27/2024 22:57	WG2293465
1,2-Dichloropropane	U		0.00190	0.00670	1.14	05/27/2024 22:57	WG2293465
1,1-Dichloropropene	U		0.00108	0.00335	1.14	05/27/2024 22:57	WG2293465
1,3-Dichloropropane	U		0.000671	0.00670	1.14	05/27/2024 22:57	WG2293465
cis-1,3-Dichloropropene	U		0.00101	0.00335	1.14	05/27/2024 22:57	WG2293465
trans-1,3-Dichloropropene	U		0.00153	0.00670	1.14	05/27/2024 22:57	WG2293465
2,2-Dichloropropane	U		0.00184	0.00335	1.14	05/27/2024 22:57	WG2293465
Di-isopropyl ether	U		0.000549	0.00134	1.14	05/27/2024 22:57	WG2293465
Ethylbenzene	U		0.000987	0.00335	1.14	05/27/2024 22:57	WG2293465
Hexachloro-1,3-butadiene	U		0.00804	0.0335	1.14	05/27/2024 22:57	WG2293465
Isopropylbenzene	U		0.000570	0.00335	1.14	05/27/2024 22:57	WG2293465
p-Isopropyltoluene	U		0.00342	0.00670	1.14	05/27/2024 22:57	WG2293465
2-Butanone (MEK)	U	J4	0.0851	0.134	1.14	05/27/2024 22:57	WG2293465
Methylene Chloride	U		0.00890	0.0335	1.14	05/27/2024 22:57	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00306	0.0335	1.14	05/27/2024 22:57	WG2293465
Methyl tert-butyl ether	U		0.000469	0.00134	1.14	05/27/2024 22:57	WG2293465
Naphthalene	U	J3	0.00653	0.0168	1.14	05/27/2024 22:57	WG2293465
n-Propylbenzene	U		0.00127	0.00670	1.14	05/27/2024 22:57	WG2293465
Styrene	U		0.000307	0.0168	1.14	05/27/2024 22:57	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00127	0.00335	1.14	05/27/2024 22:57	WG2293465
1,1,2,2-Tetrachloroethane	0.00224	J	0.000931	0.00335	1.14	05/27/2024 22:57	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00335	1.14	05/27/2024 22:57	WG2293465
Tetrachloroethene	U		0.00120	0.00335	1.14	05/27/2024 22:57	WG2293465
Toluene	U		0.00174	0.00670	1.14	05/27/2024 22:57	WG2293465
1,2,3-Trichlorobenzene	U		0.00982	0.0168	1.14	05/27/2024 22:57	WG2293465
1,2,4-Trichlorobenzene	U		0.00590	0.0168	1.14	05/27/2024 22:57	WG2293465
1,1,1-Trichloroethane	U		0.00123	0.00335	1.14	05/27/2024 22:57	WG2293465
1,1,2-Trichloroethane	U		0.000800	0.00335	1.14	05/27/2024 22:57	WG2293465
Trichloroethene	0.0102		0.000783	0.00134	1.14	05/27/2024 22:57	WG2293465
Trichlorofluoromethane	U		0.00111	0.00335	1.14	05/27/2024 22:57	WG2293465
1,2,3-Trichloropropane	U		0.00217	0.0168	1.14	05/27/2024 22:57	WG2293465
1,2,4-Trimethylbenzene	U		0.00212	0.00670	1.14	05/27/2024 22:57	WG2293465
1,2,3-Trimethylbenzene	U		0.00212	0.00670	1.14	05/27/2024 22:57	WG2293465
1,3,5-Trimethylbenzene	U		0.00268	0.00670	1.14	05/27/2024 22:57	WG2293465
Vinyl chloride	U		0.00155	0.00335	1.14	05/27/2024 22:57	WG2293465
Xylenes, Total	0.00130	J	0.00118	0.00871	1.14	05/27/2024 22:57	WG2293465
(S) Toluene-d8	*99.9*			*75.0-131*		*05/27/2024 22:57*	WG2293465
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/27/2024 22:57*	WG2293465
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*05/27/2024 22:57*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.58	J	0.801	4.37	1	05/31/2024 10:13	WG2295238
C22-C32 Hydrocarbons	8.30		1.45	4.37	1	05/31/2024 10:13	WG2295238
C32-C40 Hydrocarbons	7.74		1.45	4.37	1	05/31/2024 10:13	WG2295238
(S) o-Terphenyl	*41.4*			*18.0-148*		*05/31/2024 10:13*	WG2295238

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0129	0.0372	1	06/29/2024 21:05	WG2314453
PCB 1221	U		0.0129	0.0372	1	06/29/2024 21:05	WG2314453
PCB 1232	U		0.0129	0.0372	1	06/29/2024 21:05	WG2314453
PCB 1242	U		0.0129	0.0372	1	06/29/2024 21:05	WG2314453
PCB 1248	U		0.00807	0.0186	1	06/29/2024 21:05	WG2314453
PCB 1254	U		0.00807	0.0186	1	06/29/2024 21:05	WG2314453
PCB 1260	U		0.00807	0.0186	1	06/29/2024 21:05	WG2314453
(S) Decachlorobiphenyl	*54.5*			*10.0-135*		*06/29/2024 21:05*	WG2314453
(S) Tetrachloro-m-xylene	*72.1*			*10.0-139*		*06/29/2024 21:05*	WG2314453

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00589	0.0364	1	05/30/2024 22:44	WG2294807
Acenaphthylene	U		0.00513	0.0364	1	05/30/2024 22:44	WG2294807
Anthracene	U		0.00648	0.0364	1	05/30/2024 22:44	WG2294807
Benzidine	U		0.0684	1.83	1	05/30/2024 22:44	WG2294807
Benzo(a)anthracene	U		0.00642	0.0364	1	05/30/2024 22:44	WG2294807
Benzo(b)fluoranthene	0.00881	J	0.00679	0.0364	1	05/30/2024 22:44	WG2294807
Benzo(k)fluoranthene	U		0.00647	0.0364	1	05/30/2024 22:44	WG2294807
Benzo(g,h,i)perylene	0.00687	J	0.00666	0.0364	1	05/30/2024 22:44	WG2294807
Benzo(a)pyrene	U		0.00677	0.0364	1	05/30/2024 22:44	WG2294807
Bis(2-chlorethoxy)methane	U		0.0109	0.364	1	05/30/2024 22:44	WG2294807
Bis(2-chloroethyl)ether	U		0.0120	0.364	1	05/30/2024 22:44	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0157	0.364	1	05/30/2024 22:44	WG2294807
4-Bromophenyl-phenylether	U		0.0128	0.364	1	05/30/2024 22:44	WG2294807
2-Chloronaphthalene	U		0.00640	0.0364	1	05/30/2024 22:44	WG2294807
4-Chlorophenyl-phenylether	U		0.0127	0.364	1	05/30/2024 22:44	WG2294807
Chrysene	U		0.00724	0.0364	1	05/30/2024 22:44	WG2294807
Dibenz(a,h)anthracene	U		0.0101	0.0364	1	05/30/2024 22:44	WG2294807
1,2-Dichlorobenzene	U		0.0108	0.364	1	05/30/2024 22:44	WG2294807
1,3-Dichlorobenzene	U		0.0110	0.364	1	05/30/2024 22:44	WG2294807
1,4-Dichlorobenzene	U		0.0108	0.364	1	05/30/2024 22:44	WG2294807
3,3-Dichlorobenzidine	U		0.0134	0.364	1	05/30/2024 22:44	WG2294807
2,4-Dinitrotoluene	U		0.0104	0.364	1	05/30/2024 22:44	WG2294807
2,6-Dinitrotoluene	U		0.0119	0.364	1	05/30/2024 22:44	WG2294807
Fluoranthene	0.00882	J	0.00657	0.0364	1	05/30/2024 22:44	WG2294807
Fluorene	U		0.00593	0.0364	1	05/30/2024 22:44	WG2294807
Hexachlorobenzene	U		0.0129	0.364	1	05/30/2024 22:44	WG2294807
Hexachloro-1,3-butadiene	U		0.0122	0.364	1	05/30/2024 22:44	WG2294807
Hexachlorocyclopentadiene	U		0.0191	0.364	1	05/30/2024 22:44	WG2294807
Hexachloroethane	U		0.0143	0.364	1	05/30/2024 22:44	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.0103	0.0364	1	05/30/2024 22:44	WG2294807
Isophorone	U		0.0112	0.364	1	05/30/2024 22:44	WG2294807
Naphthalene	U		0.00914	0.0364	1	05/30/2024 22:44	WG2294807
Nitrobenzene	U		0.0127	0.364	1	05/30/2024 22:44	WG2294807
n-Nitrosodimethylamine	U		0.0540	0.364	1	05/30/2024 22:44	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.0276	0.364	1	05/30/2024 22:44	WG2294807
n-Nitrosodi-n-propylamine	U		0.0121	0.364	1	05/30/2024 22:44	WG2294807
Phenanthrene	U		0.00723	0.0364	1	05/30/2024 22:44	WG2294807
Benzylbutyl phthalate	U		0.0114	0.364	1	05/30/2024 22:44	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0461	0.364	1	05/30/2024 22:44	WG2294807
Di-n-butyl phthalate	U		0.0125	0.364	1	05/30/2024 22:44	WG2294807
Diethyl phthalate	U		0.0120	0.364	1	05/30/2024 22:44	WG2294807
Dimethyl phthalate	U		0.0772	0.364	1	05/30/2024 22:44	WG2294807
Di-n-octyl phthalate	U		0.0246	0.364	1	05/30/2024 22:44	WG2294807
Pyrene	0.00972	J	0.00709	0.0364	1	05/30/2024 22:44	WG2294807
1,2,4-Trichlorobenzene	U		0.0114	0.364	1	05/30/2024 22:44	WG2294807
4-Chloro-3-methylphenol	U		0.0118	0.364	1	05/30/2024 22:44	WG2294807
2-Chlorophenol	U		0.0120	0.364	1	05/30/2024 22:44	WG2294807
2,4-Dichlorophenol	U		0.0106	0.364	1	05/30/2024 22:44	WG2294807
2,4-Dimethylphenol	U		0.00951	0.364	1	05/30/2024 22:44	WG2294807
4,6-Dinitro-2-methylphenol	U		0.0826	0.364	1	05/30/2024 22:44	WG2294807
2,4-Dinitrophenol	U		0.0852	0.364	1	05/30/2024 22:44	WG2294807
2-Nitrophenol	U		0.0130	0.364	1	05/30/2024 22:44	WG2294807
4-Nitrophenol	U		0.0114	0.364	1	05/30/2024 22:44	WG2294807
Pentachlorophenol	U		0.00980	0.364	1	05/30/2024 22:44	WG2294807
Phenol	U		0.0147	0.364	1	05/30/2024 22:44	WG2294807
2,4,6-Trichlorophenol	U		0.0117	0.364	1	05/30/2024 22:44	WG2294807
(S) 2-Fluorophenol	*93.2*			*12.0-120*		*05/30/2024 22:44*	WG2294807
(S) Phenol-d5	*89.1*			*10.0-120*		*05/30/2024 22:44*	WG2294807
(S) Nitrobenzene-d5	*70.3*			*10.0-122*		*05/30/2024 22:44*	WG2294807
(S) 2-Fluorobiphenyl	*84.8*			*15.0-120*		*05/30/2024 22:44*	WG2294807
(S) 2,4,6-Tribromophenol	*87.4*			*10.0-127*		*05/30/2024 22:44*	WG2294807
(S) p-Terphenyl-d14	*95.8*			*10.0-120*		*05/30/2024 22:44*	WG2294807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.5		1	06/10/2024 16:19	WG2302291

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.57	B	1.31	3.96	27	06/02/2024 15:23	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*06/02/2024 15:23*	WG2297113

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.4		1	05/27/2024 07:43	WG2293517

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.72	B J	1.22	3.68	25	05/26/2024 02:42	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*05/26/2024 02:42*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0537	0.0736	1	05/27/2024 23:16	WG2293465
Acrylonitrile	U		0.00531	0.0184	1	05/27/2024 23:16	WG2293465
Benzene	U		0.000687	0.00147	1	05/27/2024 23:16	WG2293465
Bromobenzene	U		0.00132	0.0184	1	05/27/2024 23:16	WG2293465
Bromodichloromethane	U		0.00107	0.00368	1	05/27/2024 23:16	WG2293465
Bromoform	U		0.00172	0.0368	1	05/27/2024 23:16	WG2293465
Bromomethane	U		0.00290	0.0184	1	05/27/2024 23:16	WG2293465
n-Butylbenzene	U		0.00772	0.0184	1	05/27/2024 23:16	WG2293465
sec-Butylbenzene	U		0.00424	0.0184	1	05/27/2024 23:16	WG2293465
tert-Butylbenzene	U		0.00287	0.00736	1	05/27/2024 23:16	WG2293465
Carbon tetrachloride	U		0.00132	0.00736	1	05/27/2024 23:16	WG2293465
Chlorobenzene	U		0.000309	0.00368	1	05/27/2024 23:16	WG2293465
Chlorodibromomethane	U		0.000900	0.00368	1	05/27/2024 23:16	WG2293465
Chloroethane	U		0.00250	0.00736	1	05/27/2024 23:16	WG2293465
Chloroform	U		0.00152	0.00368	1	05/27/2024 23:16	WG2293465
Chloromethane	U		0.00640	0.0184	1	05/27/2024 23:16	WG2293465
2-Chlorotoluene	U		0.00127	0.00368	1	05/27/2024 23:16	WG2293465
4-Chlorotoluene	U	J4	0.000662	0.00736	1	05/27/2024 23:16	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00574	0.0368	1	05/27/2024 23:16	WG2293465
1,2-Dibromoethane	U		0.000953	0.00368	1	05/27/2024 23:16	WG2293465
Dibromomethane	U		0.00110	0.00736	1	05/27/2024 23:16	WG2293465
1,2-Dichlorobenzene	U		0.000625	0.00736	1	05/27/2024 23:16	WG2293465
1,3-Dichlorobenzene	U		0.000883	0.00736	1	05/27/2024 23:16	WG2293465
1,4-Dichlorobenzene	U		0.00103	0.00736	1	05/27/2024 23:16	WG2293465
Dichlorodifluoromethane	U		0.00237	0.00736	1	05/27/2024 23:16	WG2293465
1,1-Dichloroethane	U		0.000722	0.00368	1	05/27/2024 23:16	WG2293465
1,2-Dichloroethane	U		0.000955	0.00368	1	05/27/2024 23:16	WG2293465
1,1-Dichloroethene	U		0.000891	0.00368	1	05/27/2024 23:16	WG2293465
cis-1,2-Dichloroethene	0.0143		0.00108	0.00368	1	05/27/2024 23:16	WG2293465
trans-1,2-Dichloroethene	0.0113		0.00153	0.00736	1	05/27/2024 23:16	WG2293465
1,2-Dichloropropane	U		0.00209	0.00736	1	05/27/2024 23:16	WG2293465
1,1-Dichloropropene	U		0.00119	0.00368	1	05/27/2024 23:16	WG2293465
1,3-Dichloropropane	U		0.000737	0.00736	1	05/27/2024 23:16	WG2293465
cis-1,3-Dichloropropene	U		0.00111	0.00368	1	05/27/2024 23:16	WG2293465
trans-1,3-Dichloropropene	U		0.00168	0.00736	1	05/27/2024 23:16	WG2293465
2,2-Dichloropropane	U		0.00203	0.00368	1	05/27/2024 23:16	WG2293465
Di-isopropyl ether	U		0.000603	0.00147	1	05/27/2024 23:16	WG2293465
Ethylbenzene	U		0.00108	0.00368	1	05/27/2024 23:16	WG2293465
Hexachloro-1,3-butadiene	U		0.00883	0.0368	1	05/27/2024 23:16	WG2293465
Isopropylbenzene	U		0.000625	0.00368	1	05/27/2024 23:16	WG2293465
p-Isopropyltoluene	U		0.00375	0.00736	1	05/27/2024 23:16	WG2293465
2-Butanone (MEK)	U	J4	0.0934	0.147	1	05/27/2024 23:16	WG2293465
Methylene Chloride	U		0.00977	0.0368	1	05/27/2024 23:16	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00335	0.0368	1	05/27/2024 23:16	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000515	0.00147	1	05/27/2024 23:16	WG2293465
Naphthalene	U	J3	0.00718	0.0184	1	05/27/2024 23:16	WG2293465
n-Propylbenzene	U		0.00140	0.00736	1	05/27/2024 23:16	WG2293465
Styrene	U		0.000337	0.0184	1	05/27/2024 23:16	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00139	0.00368	1	05/27/2024 23:16	WG2293465
1,1,2,2-Tetrachloroethane	U		0.00102	0.00368	1	05/27/2024 23:16	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00368	1	05/27/2024 23:16	WG2293465
Tetrachloroethene	U		0.00132	0.00368	1	05/27/2024 23:16	WG2293465
Toluene	0.00384	J	0.00191	0.00736	1	05/27/2024 23:16	WG2293465
1,2,3-Trichlorobenzene	U		0.0108	0.0184	1	05/27/2024 23:16	WG2293465
1,2,4-Trichlorobenzene	U		0.00647	0.0184	1	05/27/2024 23:16	WG2293465
1,1,1-Trichloroethane	U		0.00136	0.00368	1	05/27/2024 23:16	WG2293465
1,1,2-Trichloroethane	U		0.000878	0.00368	1	05/27/2024 23:16	WG2293465
Trichloroethene	0.00771		0.000859	0.00147	1	05/27/2024 23:16	WG2293465
Trichlorofluoromethane	U		0.00122	0.00368	1	05/27/2024 23:16	WG2293465
1,2,3-Trichloropropane	U		0.00238	0.0184	1	05/27/2024 23:16	WG2293465
1,2,4-Trimethylbenzene	U		0.00232	0.00736	1	05/27/2024 23:16	WG2293465
1,2,3-Trimethylbenzene	U		0.00232	0.00736	1	05/27/2024 23:16	WG2293465
1,3,5-Trimethylbenzene	U		0.00294	0.00736	1	05/27/2024 23:16	WG2293465
Vinyl chloride	U		0.00171	0.00368	1	05/27/2024 23:16	WG2293465
Xylenes, Total	0.00162	J	0.00129	0.00956	1	05/27/2024 23:16	WG2293465
(S) Toluene-d8	*99.0*			*75.0-131*		*05/27/2024 23:16*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/27/2024 23:16*	WG2293465
(S) 1,2-Dichloroethane-d4	*91.1*			*70.0-130*		*05/27/2024 23:16*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3.83	J	0.901	4.91	1	05/30/2024 18:28	WG2295238
C22-C32 Hydrocarbons	18.9		1.63	4.91	1	05/30/2024 18:28	WG2295238
C32-C40 Hydrocarbons	19.4		1.63	4.91	1	05/30/2024 18:28	WG2295238
(S) o-Terphenyl	*38.6*			*18.0-148*		*05/30/2024 18:28*	WG2295238

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.239		0.0201	0.0446	1	05/27/2024 13:32	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.607	2.23	1	06/01/2024 18:48	WG2293711
Arsenic	3.92		0.578	2.23	1	06/01/2024 18:48	WG2293711
Barium	337		0.0950	0.558	1	06/01/2024 18:48	WG2293711
Beryllium	0.288		0.0351	0.223	1	06/01/2024 18:48	WG2293711
Cadmium	0.481	J	0.0525	0.558	1	06/01/2024 18:48	WG2293711
Chromium	27.3		0.148	1.12	1	06/01/2024 18:48	WG2293711
Cobalt	10.3		0.0905	1.12	1	06/01/2024 18:48	WG2293711
Copper	59.4		0.446	2.23	1	06/01/2024 18:48	WG2293711
Lead	131		0.232	0.558	1	06/01/2024 18:48	WG2293711
Molybdenum	0.133	J	0.122	0.558	1	06/01/2024 18:48	WG2293711
Nickel	31.3		0.147	2.23	1	06/01/2024 18:48	WG2293711
Selenium	U		0.852	2.23	1	06/01/2024 18:48	WG2293711
Silver	0.544	J	0.142	1.12	1	06/01/2024 18:48	WG2293711
Thallium	1.49	J	0.439	2.23	1	06/01/2024 18:48	WG2293711
Vanadium	33.7		0.564	2.23	1	06/01/2024 18:48	WG2293711
Zinc	160		0.928	5.58	1	06/01/2024 18:48	WG2293711

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0379	1	05/28/2024 12:04	WG2294060
PCB 1221	U		0.0132	0.0379	1	05/28/2024 12:04	WG2294060
PCB 1232	U		0.0132	0.0379	1	05/28/2024 12:04	WG2294060
PCB 1242	U		0.0132	0.0379	1	05/28/2024 12:04	WG2294060
PCB 1248	U		0.00823	0.0190	1	05/28/2024 12:04	WG2294060
PCB 1254	U		0.00823	0.0190	1	05/28/2024 12:04	WG2294060
PCB 1260	0.0352		0.00823	0.0190	1	05/28/2024 12:04	WG2294060
(S) Decachlorobiphenyl	*50.8*			*10.0-135*		*05/28/2024 12:04*	WG2294060
(S) Tetrachloro-m-xylene	*59.6*			*10.0-139*		*05/28/2024 12:04*	WG2294060

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0601	0.371	10	05/31/2024 05:15	WG2294807
Acenaphthylene	U		0.0523	0.371	10	05/31/2024 05:15	WG2294807
Anthracene	U		0.0661	0.371	10	05/31/2024 05:15	WG2294807
Benzidine	U		0.698	18.6	10	05/31/2024 05:15	WG2294807
Benzo(a)anthracene	0.0883	J	0.0655	0.371	10	05/31/2024 05:15	WG2294807
Benzo(b)fluoranthene	0.155	J	0.0693	0.371	10	05/31/2024 05:15	WG2294807
Benzo(k)fluoranthene	U		0.0660	0.371	10	05/31/2024 05:15	WG2294807
Benzo(g,h,i)perylene	U		0.0679	0.371	10	05/31/2024 05:15	WG2294807
Benzo(a)pyrene	0.113	J	0.0690	0.371	10	05/31/2024 05:15	WG2294807
Bis(2-chlorethoxy)methane	U		0.112	3.71	10	05/31/2024 05:15	WG2294807
Bis(2-chloroethyl)ether	U		0.123	3.71	10	05/31/2024 05:15	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.161	3.71	10	05/31/2024 05:15	WG2294807
4-Bromophenyl-phenylether	U		0.130	3.71	10	05/31/2024 05:15	WG2294807
2-Chloronaphthalene	U		0.0652	0.371	10	05/31/2024 05:15	WG2294807
4-Chlorophenyl-phenylether	U		0.129	3.71	10	05/31/2024 05:15	WG2294807
Chrysene	0.104	J	0.0738	0.371	10	05/31/2024 05:15	WG2294807
Dibenz(a,h)anthracene	U		0.103	0.371	10	05/31/2024 05:15	WG2294807
1,2-Dichlorobenzene	U		0.110	3.71	10	05/31/2024 05:15	WG2294807
1,3-Dichlorobenzene	U		0.113	3.71	10	05/31/2024 05:15	WG2294807
1,4-Dichlorobenzene	U		0.111	3.71	10	05/31/2024 05:15	WG2294807
3,3-Dichlorobenzidine	U		0.137	3.71	10	05/31/2024 05:15	WG2294807
2,4-Dinitrotoluene	U		0.107	3.71	10	05/31/2024 05:15	WG2294807
2,6-Dinitrotoluene	U		0.122	3.71	10	05/31/2024 05:15	WG2294807
Fluoranthene	0.0936	J	0.0670	0.371	10	05/31/2024 05:15	WG2294807
Fluorene	U		0.0605	0.371	10	05/31/2024 05:15	WG2294807
Hexachlorobenzene	U		0.132	3.71	10	05/31/2024 05:15	WG2294807
Hexachloro-1,3-butadiene	U		0.125	3.71	10	05/31/2024 05:15	WG2294807
Hexachlorocyclopentadiene	U		0.195	3.71	10	05/31/2024 05:15	WG2294807
Hexachloroethane	U		0.146	3.71	10	05/31/2024 05:15	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.105	0.371	10	05/31/2024 05:15	WG2294807
Isophorone	U		0.114	3.71	10	05/31/2024 05:15	WG2294807
Naphthalene	U		0.0932	0.371	10	05/31/2024 05:15	WG2294807
Nitrobenzene	U		0.129	3.71	10	05/31/2024 05:15	WG2294807
n-Nitrosodimethylamine	U		0.551	3.71	10	05/31/2024 05:15	WG2294807
n-Nitrosodiphenylamine	U		0.281	3.71	10	05/31/2024 05:15	WG2294807
n-Nitrosodi-n-propylamine	U		0.124	3.71	10	05/31/2024 05:15	WG2294807
Phenanthrene	U		0.0737	0.371	10	05/31/2024 05:15	WG2294807
Benzylbutyl phthalate	U		0.116	3.71	10	05/31/2024 05:15	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.471	3.71	10	05/31/2024 05:15	WG2294807
Di-n-butyl phthalate	U		0.127	3.71	10	05/31/2024 05:15	WG2294807
Diethyl phthalate	U		0.123	3.71	10	05/31/2024 05:15	WG2294807
Dimethyl phthalate	U		0.787	3.71	10	05/31/2024 05:15	WG2294807
Di-n-octyl phthalate	U		0.251	3.71	10	05/31/2024 05:15	WG2294807
Pyrene	0.108	J	0.0723	0.371	10	05/31/2024 05:15	WG2294807
1,2,4-Trichlorobenzene	U		0.116	3.71	10	05/31/2024 05:15	WG2294807
4-Chloro-3-methylphenol	U		0.120	3.71	10	05/31/2024 05:15	WG2294807
2-Chlorophenol	U		0.123	3.71	10	05/31/2024 05:15	WG2294807
2,4-Dichlorophenol	U		0.108	3.71	10	05/31/2024 05:15	WG2294807
2,4-Dimethylphenol	U		0.0970	3.71	10	05/31/2024 05:15	WG2294807
4,6-Dinitro-2-methylphenol	U		0.842	3.71	10	05/31/2024 05:15	WG2294807
2,4-Dinitrophenol	U		0.869	3.71	10	05/31/2024 05:15	WG2294807
2-Nitrophenol	U		0.133	3.71	10	05/31/2024 05:15	WG2294807
4-Nitrophenol	U		0.116	3.71	10	05/31/2024 05:15	WG2294807
Pentachlorophenol	U		0.0999	3.71	10	05/31/2024 05:15	WG2294807
Phenol	U		0.149	3.71	10	05/31/2024 05:15	WG2294807
2,4,6-Trichlorophenol	U		0.119	3.71	10	05/31/2024 05:15	WG2294807
(S) 2-Fluorophenol	*90.3*			*12.0-120*		*05/31/2024 05:15*	WG2294807
(S) Phenol-d5	*85.0*			*10.0-120*		*05/31/2024 05:15*	WG2294807
(S) Nitrobenzene-d5	*72.4*			*10.0-122*		*05/31/2024 05:15*	WG2294807
(S) 2-Fluorobiphenyl	*83.3*			*15.0-120*		*05/31/2024 05:15*	WG2294807
(S) 2,4,6-Tribromophenol	*82.9*			*10.0-127*		*05/31/2024 05:15*	WG2294807
(S) p-Terphenyl-d14	*88.8*			*10.0-120*		*05/31/2024 05:15*	WG2294807

Sample Narrative:

L1738627-06 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.383		0.0202	0.0448	1	05/27/2024 13:35	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.610	2.24	1	06/01/2024 18:50	WG2293711
Arsenic	5.06		0.580	2.24	1	06/01/2024 18:50	WG2293711
Barium	217		0.0955	0.560	1	06/01/2024 18:50	WG2293711
Beryllium	0.432		0.0353	0.224	1	06/01/2024 18:50	WG2293711
Cadmium	3.14		0.0528	0.560	1	06/01/2024 18:50	WG2293711
Chromium	36.4		0.149	1.12	1	06/01/2024 18:50	WG2293711
Cobalt	9.97		0.0909	1.12	1	06/01/2024 18:50	WG2293711
Copper	246		0.448	2.24	1	06/01/2024 18:50	WG2293711
Lead	625		0.233	0.560	1	06/01/2024 18:50	WG2293711
Molybdenum	1.35		0.122	0.560	1	06/01/2024 18:50	WG2293711
Nickel	55.0		0.148	2.24	1	06/01/2024 18:50	WG2293711
Selenium	U		0.856	2.24	1	06/01/2024 18:50	WG2293711
Silver	0.818	J	0.142	1.12	1	06/01/2024 18:50	WG2293711
Thallium	2.12	J	0.441	2.24	1	06/01/2024 18:50	WG2293711
Vanadium	29.5		0.567	2.24	1	06/01/2024 18:50	WG2293711
Zinc	414		0.932	5.60	1	06/01/2024 18:50	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0455	0.0624	1	05/27/2024 23:36	WG2293465
Acrylonitrile	U		0.00450	0.0156	1	05/27/2024 23:36	WG2293465
Benzene	U		0.000582	0.00125	1	05/27/2024 23:36	WG2293465
Bromobenzene	U		0.00112	0.0156	1	05/27/2024 23:36	WG2293465
Bromodichloromethane	U		0.000904	0.00312	1	05/27/2024 23:36	WG2293465
Bromoform	U		0.00146	0.0312	1	05/27/2024 23:36	WG2293465
Bromomethane	U		0.00246	0.0156	1	05/27/2024 23:36	WG2293465
n-Butylbenzene	U		0.00655	0.0156	1	05/27/2024 23:36	WG2293465
sec-Butylbenzene	U		0.00359	0.0156	1	05/27/2024 23:36	WG2293465
tert-Butylbenzene	U		0.00243	0.00624	1	05/27/2024 23:36	WG2293465
Carbon tetrachloride	U		0.00112	0.00624	1	05/27/2024 23:36	WG2293465
Chlorobenzene	U		0.000262	0.00312	1	05/27/2024 23:36	WG2293465
Chlorodibromomethane	U		0.000763	0.00312	1	05/27/2024 23:36	WG2293465
Chloroethane	U		0.00212	0.00624	1	05/27/2024 23:36	WG2293465
Chloroform	U		0.00128	0.00312	1	05/27/2024 23:36	WG2293465
Chloromethane	U		0.00542	0.0156	1	05/27/2024 23:36	WG2293465
2-Chlorotoluene	U		0.00108	0.00312	1	05/27/2024 23:36	WG2293465
4-Chlorotoluene	U	J4	0.000561	0.00624	1	05/27/2024 23:36	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00486	0.0312	1	05/27/2024 23:36	WG2293465
1,2-Dibromoethane	U		0.000808	0.00312	1	05/27/2024 23:36	WG2293465
Dibromomethane	U		0.000935	0.00624	1	05/27/2024 23:36	WG2293465
1,2-Dichlorobenzene	U		0.000530	0.00624	1	05/27/2024 23:36	WG2293465
1,3-Dichlorobenzene	U		0.000748	0.00624	1	05/27/2024 23:36	WG2293465
1,4-Dichlorobenzene	U		0.000873	0.00624	1	05/27/2024 23:36	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00201	0.00624	1	05/27/2024 23:36	WG2293465
1,1-Dichloroethane	U		0.000612	0.00312	1	05/27/2024 23:36	WG2293465
1,2-Dichloroethane	U		0.000809	0.00312	1	05/27/2024 23:36	WG2293465
1,1-Dichloroethene	U		0.000756	0.00312	1	05/27/2024 23:36	WG2293465
cis-1,2-Dichloroethene	U		0.000915	0.00312	1	05/27/2024 23:36	WG2293465
trans-1,2-Dichloroethene	U		0.00130	0.00624	1	05/27/2024 23:36	WG2293465
1,2-Dichloropropane	U		0.00177	0.00624	1	05/27/2024 23:36	WG2293465
1,1-Dichloropropene	U		0.00101	0.00312	1	05/27/2024 23:36	WG2293465
1,3-Dichloropropane	U		0.000625	0.00624	1	05/27/2024 23:36	WG2293465
cis-1,3-Dichloropropene	U		0.000944	0.00312	1	05/27/2024 23:36	WG2293465
trans-1,3-Dichloropropene	U		0.00142	0.00624	1	05/27/2024 23:36	WG2293465
2,2-Dichloropropane	U		0.00172	0.00312	1	05/27/2024 23:36	WG2293465
Di-isopropyl ether	U		0.000511	0.00125	1	05/27/2024 23:36	WG2293465
Ethylbenzene	U		0.000919	0.00312	1	05/27/2024 23:36	WG2293465
Hexachloro-1,3-butadiene	U		0.00748	0.0312	1	05/27/2024 23:36	WG2293465
Isopropylbenzene	U		0.000530	0.00312	1	05/27/2024 23:36	WG2293465
p-Isopropyltoluene	U		0.00318	0.00624	1	05/27/2024 23:36	WG2293465
2-Butanone (MEK)	U	J4	0.0792	0.125	1	05/27/2024 23:36	WG2293465
Methylene Chloride	U		0.00828	0.0312	1	05/27/2024 23:36	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00284	0.0312	1	05/27/2024 23:36	WG2293465
Methyl tert-butyl ether	U		0.000436	0.00125	1	05/27/2024 23:36	WG2293465
Naphthalene	U	J3	0.00609	0.0156	1	05/27/2024 23:36	WG2293465
n-Propylbenzene	U		0.00118	0.00624	1	05/27/2024 23:36	WG2293465
Styrene	U		0.000286	0.0156	1	05/27/2024 23:36	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00118	0.00312	1	05/27/2024 23:36	WG2293465
1,1,2,2-Tetrachloroethane	U		0.000867	0.00312	1	05/27/2024 23:36	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.000940	0.00312	1	05/27/2024 23:36	WG2293465
Tetrachloroethene	U		0.00112	0.00312	1	05/27/2024 23:36	WG2293465
Toluene	U		0.00162	0.00624	1	05/27/2024 23:36	WG2293465
1,2,3-Trichlorobenzene	U		0.00914	0.0156	1	05/27/2024 23:36	WG2293465
1,2,4-Trichlorobenzene	U		0.00549	0.0156	1	05/27/2024 23:36	WG2293465
1,1,1-Trichloroethane	U		0.00115	0.00312	1	05/27/2024 23:36	WG2293465
1,1,2-Trichloroethane	U		0.000744	0.00312	1	05/27/2024 23:36	WG2293465
Trichloroethene	U		0.000728	0.00125	1	05/27/2024 23:36	WG2293465
Trichlorofluoromethane	U		0.00103	0.00312	1	05/27/2024 23:36	WG2293465
1,2,3-Trichloropropane	U		0.00202	0.0156	1	05/27/2024 23:36	WG2293465
1,2,4-Trimethylbenzene	U		0.00197	0.00624	1	05/27/2024 23:36	WG2293465
1,2,3-Trimethylbenzene	U		0.00197	0.00624	1	05/27/2024 23:36	WG2293465
1,3,5-Trimethylbenzene	U		0.00249	0.00624	1	05/27/2024 23:36	WG2293465
Vinyl chloride	U		0.00145	0.00312	1	05/27/2024 23:36	WG2293465
Xylenes, Total	0.00124	J	0.00110	0.00811	1	05/27/2024 23:36	WG2293465
(S) Toluene-d8	*98.7*			*75.0-131*		*05/27/2024 23:36*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/27/2024 23:36*	WG2293465
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*05/27/2024 23:36*	WG2293465

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0132	0.0381	1	06/06/2024 00:52	WG2298713
PCB 1221	U		0.0132	0.0381	1	06/06/2024 00:52	WG2298713
PCB 1232	U		0.0132	0.0381	1	06/06/2024 00:52	WG2298713
PCB 1242	U		0.0132	0.0381	1	06/06/2024 00:52	WG2298713
PCB 1248	U		0.00827	0.0190	1	06/06/2024 00:52	WG2298713
PCB 1254	U		0.00827	0.0190	1	06/06/2024 00:52	WG2298713
PCB 1260	0.133		0.00827	0.0190	1	06/06/2024 00:52	WG2298713
(S) Decachlorobiphenyl	*40.7*			*10.0-135*		*06/06/2024 00:52*	WG2298713

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*52.2*			*10.0-139*		*06/06/2024 00:52*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0121	0.0746	2	05/31/2024 02:24	WG2294807
Acenaphthylene	U		0.0105	0.0746	2	05/31/2024 02:24	WG2294807
Anthracene	U		0.0133	0.0746	2	05/31/2024 02:24	WG2294807
Benzidine	U		0.140	3.74	2	05/31/2024 02:24	WG2294807
Benzo(a)anthracene	0.0317	J	0.0131	0.0746	2	05/31/2024 02:24	WG2294807
Benzo(b)fluoranthene	0.0601	J	0.0139	0.0746	2	05/31/2024 02:24	WG2294807
Benzo(k)fluoranthene	0.0187	J	0.0132	0.0746	2	05/31/2024 02:24	WG2294807
Benzo(g,h,i)perylene	0.0372	J	0.0137	0.0746	2	05/31/2024 02:24	WG2294807
Benzo(a)pyrene	0.0396	J	0.0139	0.0746	2	05/31/2024 02:24	WG2294807
Bis(2-chlorethoxy)methane	U		0.0224	0.746	2	05/31/2024 02:24	WG2294807
Bis(2-chloroethyl)ether	U		0.0247	0.746	2	05/31/2024 02:24	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0323	0.746	2	05/31/2024 02:24	WG2294807
4-Bromophenyl-phenylether	U		0.0262	0.746	2	05/31/2024 02:24	WG2294807
2-Chloronaphthalene	U		0.0131	0.0746	2	05/31/2024 02:24	WG2294807
4-Chlorophenyl-phenylether	U		0.0260	0.746	2	05/31/2024 02:24	WG2294807
Chrysene	0.0471	J	0.0148	0.0746	2	05/31/2024 02:24	WG2294807
Dibenz(a,h)anthracene	U		0.0207	0.0746	2	05/31/2024 02:24	WG2294807
1,2-Dichlorobenzene	U		0.0221	0.746	2	05/31/2024 02:24	WG2294807
1,3-Dichlorobenzene	U		0.0226	0.746	2	05/31/2024 02:24	WG2294807
1,4-Dichlorobenzene	U		0.0222	0.746	2	05/31/2024 02:24	WG2294807
3,3-Dichlorobenzidine	U		0.0276	0.746	2	05/31/2024 02:24	WG2294807
2,4-Dinitrotoluene	U		0.0214	0.746	2	05/31/2024 02:24	WG2294807
2,6-Dinitrotoluene	U		0.0244	0.746	2	05/31/2024 02:24	WG2294807
Fluoranthene	0.0419	J	0.0134	0.0746	2	05/31/2024 02:24	WG2294807
Fluorene	U		0.0121	0.0746	2	05/31/2024 02:24	WG2294807
Hexachlorobenzene	U		0.0264	0.746	2	05/31/2024 02:24	WG2294807
Hexachloro-1,3-butadiene	U		0.0251	0.746	2	05/31/2024 02:24	WG2294807
Hexachlorocyclopentadiene	U		0.0392	0.746	2	05/31/2024 02:24	WG2294807
Hexachloroethane	U		0.0294	0.746	2	05/31/2024 02:24	WG2294807
Indeno(1,2,3-cd)pyrene	0.0369	J	0.0211	0.0746	2	05/31/2024 02:24	WG2294807
Isophorone	U		0.0229	0.746	2	05/31/2024 02:24	WG2294807
Naphthalene	U		0.0187	0.0746	2	05/31/2024 02:24	WG2294807
Nitrobenzene	U		0.0260	0.746	2	05/31/2024 02:24	WG2294807
n-Nitrosodimethylamine	U		0.111	0.746	2	05/31/2024 02:24	WG2294807
n-Nitrosodiphenylamine	U		0.0565	0.746	2	05/31/2024 02:24	WG2294807
n-Nitrosodi-n-propylamine	U		0.0249	0.746	2	05/31/2024 02:24	WG2294807
Phenanthrene	0.0251	J	0.0148	0.0746	2	05/31/2024 02:24	WG2294807
Benzylbutyl phthalate	0.0337	J	0.0233	0.746	2	05/31/2024 02:24	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0946	0.746	2	05/31/2024 02:24	WG2294807
Di-n-butyl phthalate	0.0529	J	0.0255	0.746	2	05/31/2024 02:24	WG2294807
Diethyl phthalate	U		0.0247	0.746	2	05/31/2024 02:24	WG2294807
Dimethyl phthalate	U		0.158	0.746	2	05/31/2024 02:24	WG2294807
Di-n-octyl phthalate	U		0.0504	0.746	2	05/31/2024 02:24	WG2294807
Pyrene	0.0478	J	0.0146	0.0746	2	05/31/2024 02:24	WG2294807
1,2,4-Trichlorobenzene	U		0.0233	0.746	2	05/31/2024 02:24	WG2294807
4-Chloro-3-methylphenol	U		0.0242	0.746	2	05/31/2024 02:24	WG2294807
2-Chlorophenol	U		0.0247	0.746	2	05/31/2024 02:24	WG2294807
2,4-Dichlorophenol	U		0.0217	0.746	2	05/31/2024 02:24	WG2294807
2,4-Dimethylphenol	U		0.0195	0.746	2	05/31/2024 02:24	WG2294807
4,6-Dinitro-2-methylphenol	U		0.169	0.746	2	05/31/2024 02:24	WG2294807
2,4-Dinitrophenol	U		0.175	0.746	2	05/31/2024 02:24	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0267	0.746	2	05/31/2024 02:24	WG2294807
4-Nitrophenol	U		0.0233	0.746	2	05/31/2024 02:24	WG2294807
Pentachlorophenol	U		0.0201	0.746	2	05/31/2024 02:24	WG2294807
Phenol	U		0.0300	0.746	2	05/31/2024 02:24	WG2294807
2,4,6-Trichlorophenol	U		0.0240	0.746	2	05/31/2024 02:24	WG2294807
(S) 2-Fluorophenol	*86.6*			*12.0-120*		*05/31/2024 02:24*	WG2294807
(S) Phenol-d5	*84.0*			*10.0-120*		*05/31/2024 02:24*	WG2294807
(S) Nitrobenzene-d5	*66.8*			*10.0-122*		*05/31/2024 02:24*	WG2294807
(S) 2-Fluorobiphenyl	*84.0*			*15.0-120*		*05/31/2024 02:24*	WG2294807
(S) 2,4,6-Tribromophenol	*90.6*			*10.0-127*		*05/31/2024 02:24*	WG2294807
(S) p-Terphenyl-d14	*91.8*			*10.0-120*		*05/31/2024 02:24*	WG2294807

Sample Narrative:

L1738627-07 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.4		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.151		0.0239	0.0530	1	05/27/2024 13:37	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.721	2.65	1	06/01/2024 18:51	WG2293711
Arsenic	4.59		0.687	2.65	1	06/01/2024 18:51	WG2293711
Barium	122		0.113	0.663	1	06/01/2024 18:51	WG2293711
Beryllium	0.267		0.0418	0.265	1	06/01/2024 18:51	WG2293711
Cadmium	0.200	J	0.0624	0.663	1	06/01/2024 18:51	WG2293711
Chromium	30.5		0.176	1.33	1	06/01/2024 18:51	WG2293711
Cobalt	9.80		0.107	1.33	1	06/01/2024 18:51	WG2293711
Copper	68.2		0.530	2.65	1	06/01/2024 18:51	WG2293711
Lead	46.2		0.276	0.663	1	06/01/2024 18:51	WG2293711
Molybdenum	U		0.144	0.663	1	06/01/2024 18:51	WG2293711
Nickel	45.0		0.175	2.65	1	06/01/2024 18:51	WG2293711
Selenium	U		1.01	2.65	1	06/01/2024 18:51	WG2293711
Silver	0.369	J	0.168	1.33	1	06/01/2024 18:51	WG2293711
Thallium	0.720	J	0.522	2.65	1	06/01/2024 18:51	WG2293711
Vanadium	22.9		0.671	2.65	1	06/01/2024 18:51	WG2293711
Zinc	70.5		1.10	6.63	1	06/01/2024 18:51	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.54	B J	1.46	4.40	25	05/26/2024 03:01	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*05/26/2024 03:01*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0643	0.0880	1	05/27/2024 23:55	WG2293465
Acrylonitrile	U		0.00636	0.0220	1	05/27/2024 23:55	WG2293465
Benzene	U		0.000822	0.00176	1	05/27/2024 23:55	WG2293465
Bromobenzene	U		0.00158	0.0220	1	05/27/2024 23:55	WG2293465
Bromodichloromethane	U		0.00128	0.00440	1	05/27/2024 23:55	WG2293465
Bromoform	U		0.00206	0.0440	1	05/27/2024 23:55	WG2293465
Bromomethane	U		0.00347	0.0220	1	05/27/2024 23:55	WG2293465
n-Butylbenzene	U		0.00924	0.0220	1	05/27/2024 23:55	WG2293465
sec-Butylbenzene	U		0.00507	0.0220	1	05/27/2024 23:55	WG2293465
tert-Butylbenzene	U		0.00343	0.00880	1	05/27/2024 23:55	WG2293465
Carbon tetrachloride	U		0.00158	0.00880	1	05/27/2024 23:55	WG2293465
Chlorobenzene	U		0.000370	0.00440	1	05/27/2024 23:55	WG2293465
Chlorodibromomethane	U		0.00108	0.00440	1	05/27/2024 23:55	WG2293465
Chloroethane	U		0.00299	0.00880	1	05/27/2024 23:55	WG2293465
Chloroform	U		0.00181	0.00440	1	05/27/2024 23:55	WG2293465
Chloromethane	U		0.00766	0.0220	1	05/27/2024 23:55	WG2293465
2-Chlorotoluene	U		0.00152	0.00440	1	05/27/2024 23:55	WG2293465
4-Chlorotoluene	U	J4	0.000792	0.00880	1	05/27/2024 23:55	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00687	0.0440	1	05/27/2024 23:55	WG2293465
1,2-Dibromoethane	U		0.00114	0.00440	1	05/27/2024 23:55	WG2293465
Dibromomethane	U		0.00132	0.00880	1	05/27/2024 23:55	WG2293465
1,2-Dichlorobenzene	U		0.000748	0.00880	1	05/27/2024 23:55	WG2293465
1,3-Dichlorobenzene	U		0.00106	0.00880	1	05/27/2024 23:55	WG2293465
1,4-Dichlorobenzene	U		0.00123	0.00880	1	05/27/2024 23:55	WG2293465
Dichlorodifluoromethane	U		0.00283	0.00880	1	05/27/2024 23:55	WG2293465
1,1-Dichloroethane	U		0.000865	0.00440	1	05/27/2024 23:55	WG2293465
1,2-Dichloroethane	U		0.00114	0.00440	1	05/27/2024 23:55	WG2293465
1,1-Dichloroethene	U		0.00107	0.00440	1	05/27/2024 23:55	WG2293465
cis-1,2-Dichloroethene	U		0.00129	0.00440	1	05/27/2024 23:55	WG2293465
trans-1,2-Dichloroethene	U		0.00183	0.00880	1	05/27/2024 23:55	WG2293465
1,2-Dichloropropane	U		0.00250	0.00880	1	05/27/2024 23:55	WG2293465
1,1-Dichloropropene	U		0.00142	0.00440	1	05/27/2024 23:55	WG2293465
1,3-Dichloropropane	U		0.000882	0.00880	1	05/27/2024 23:55	WG2293465
cis-1,3-Dichloropropene	U		0.00133	0.00440	1	05/27/2024 23:55	WG2293465
trans-1,3-Dichloropropene	U		0.00201	0.00880	1	05/27/2024 23:55	WG2293465
2,2-Dichloropropane	U		0.00243	0.00440	1	05/27/2024 23:55	WG2293465
Di-isopropyl ether	U		0.000722	0.00176	1	05/27/2024 23:55	WG2293465
Ethylbenzene	U		0.00130	0.00440	1	05/27/2024 23:55	WG2293465
Hexachloro-1,3-butadiene	U		0.0106	0.0440	1	05/27/2024 23:55	WG2293465
Isopropylbenzene	U		0.000748	0.00440	1	05/27/2024 23:55	WG2293465
p-Isopropyltoluene	U		0.00449	0.00880	1	05/27/2024 23:55	WG2293465
2-Butanone (MEK)	U	J4	0.112	0.176	1	05/27/2024 23:55	WG2293465
Methylene Chloride	U		0.0117	0.0440	1	05/27/2024 23:55	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00401	0.0440	1	05/27/2024 23:55	WG2293465
Methyl tert-butyl ether	U		0.000616	0.00176	1	05/27/2024 23:55	WG2293465
Naphthalene	U	J3	0.00859	0.0220	1	05/27/2024 23:55	WG2293465
n-Propylbenzene	U		0.00167	0.00880	1	05/27/2024 23:55	WG2293465
Styrene	U		0.000403	0.0220	1	05/27/2024 23:55	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00167	0.00440	1	05/27/2024 23:55	WG2293465
1,1,2,2-Tetrachloroethane	U		0.00122	0.00440	1	05/27/2024 23:55	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00133	0.00440	1	05/27/2024 23:55	WG2293465
Tetrachloroethene	U		0.00158	0.00440	1	05/27/2024 23:55	WG2293465
Toluene	U		0.00229	0.00880	1	05/27/2024 23:55	WG2293465
1,2,3-Trichlorobenzene	U		0.0129	0.0220	1	05/27/2024 23:55	WG2293465
1,2,4-Trichlorobenzene	U		0.00775	0.0220	1	05/27/2024 23:55	WG2293465
1,1,1-Trichloroethane	U		0.00163	0.00440	1	05/27/2024 23:55	WG2293465
1,1,2-Trichloroethane	U		0.00105	0.00440	1	05/27/2024 23:55	WG2293465
Trichloroethene	U		0.00103	0.00176	1	05/27/2024 23:55	WG2293465
Trichlorofluoromethane	U		0.00146	0.00440	1	05/27/2024 23:55	WG2293465
1,2,3-Trichloropropane	U		0.00285	0.0220	1	05/27/2024 23:55	WG2293465
1,2,4-Trimethylbenzene	U		0.00278	0.00880	1	05/27/2024 23:55	WG2293465
1,2,3-Trimethylbenzene	U		0.00278	0.00880	1	05/27/2024 23:55	WG2293465
1,3,5-Trimethylbenzene	U		0.00352	0.00880	1	05/27/2024 23:55	WG2293465
Vinyl chloride	U		0.00204	0.00440	1	05/27/2024 23:55	WG2293465
Xylenes, Total	U		0.00155	0.0114	1	05/27/2024 23:55	WG2293465
(S) Toluene-d8	*99.2*			*75.0-131*		*05/27/2024 23:55*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/27/2024 23:55*	WG2293465
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*05/27/2024 23:55*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.95	J	0.972	5.30	1	05/31/2024 09:58	WG2295238
C22-C32 Hydrocarbons	9.84		1.76	5.30	1	05/31/2024 09:58	WG2295238
C32-C40 Hydrocarbons	5.67		1.76	5.30	1	05/31/2024 09:58	WG2295238
(S) o-Terphenyl	*55.7*			*18.0-148*		*05/31/2024 09:58*	WG2295238

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0156	0.0451	1	07/01/2024 22:59	WG2314791
PCB 1221	U		0.0156	0.0451	1	07/01/2024 22:59	WG2314791
PCB 1232	U		0.0156	0.0451	1	07/01/2024 22:59	WG2314791
PCB 1242	U		0.0156	0.0451	1	07/01/2024 22:59	WG2314791
PCB 1248	U		0.00978	0.0225	1	07/01/2024 22:59	WG2314791
PCB 1254	U		0.00978	0.0225	1	07/01/2024 22:59	WG2314791
PCB 1260	U		0.00978	0.0225	1	07/01/2024 22:59	WG2314791
(S) Decachlorobiphenyl	*53.9*			*10.0-135*		*07/01/2024 22:59*	WG2314791
(S) Tetrachloro-m-xylene	*82.3*			*10.0-139*		*07/01/2024 22:59*	WG2314791

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00714	0.0441	1	05/30/2024 23:08	WG2294807
Acenaphthylene	U		0.00622	0.0441	1	05/30/2024 23:08	WG2294807
Anthracene	U		0.00786	0.0441	1	05/30/2024 23:08	WG2294807
Benzidine	U		0.0830	2.21	1	05/30/2024 23:08	WG2294807
Benzo(a)anthracene	U		0.00778	0.0441	1	05/30/2024 23:08	WG2294807
Benzo(b)fluoranthene	U		0.00823	0.0441	1	05/30/2024 23:08	WG2294807
Benzo(k)fluoranthene	U		0.00785	0.0441	1	05/30/2024 23:08	WG2294807
Benzo(g,h,i)perylene	U		0.00807	0.0441	1	05/30/2024 23:08	WG2294807
Benzo(a)pyrene	U		0.00820	0.0441	1	05/30/2024 23:08	WG2294807
Bis(2-chlorethoxy)methane	U		0.0133	0.441	1	05/30/2024 23:08	WG2294807
Bis(2-chloroethyl)ether	U		0.0146	0.441	1	05/30/2024 23:08	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0191	0.441	1	05/30/2024 23:08	WG2294807
4-Bromophenyl-phenylether	U		0.0155	0.441	1	05/30/2024 23:08	WG2294807
2-Chloronaphthalene	U		0.00775	0.0441	1	05/30/2024 23:08	WG2294807
4-Chlorophenyl-phenylether	U		0.0154	0.441	1	05/30/2024 23:08	WG2294807
Chrysene	U		0.00877	0.0441	1	05/30/2024 23:08	WG2294807
Dibenz(a,h)anthracene	U		0.0122	0.0441	1	05/30/2024 23:08	WG2294807
1,2-Dichlorobenzene	U		0.0131	0.441	1	05/30/2024 23:08	WG2294807
1,3-Dichlorobenzene	U		0.0134	0.441	1	05/30/2024 23:08	WG2294807
1,4-Dichlorobenzene	U		0.0131	0.441	1	05/30/2024 23:08	WG2294807
3,3-Dichlorobenzidine	U		0.0163	0.441	1	05/30/2024 23:08	WG2294807
2,4-Dinitrotoluene	U		0.0127	0.441	1	05/30/2024 23:08	WG2294807
2,6-Dinitrotoluene	U		0.0144	0.441	1	05/30/2024 23:08	WG2294807
Fluoranthene	U		0.00797	0.0441	1	05/30/2024 23:08	WG2294807
Fluorene	U		0.00718	0.0441	1	05/30/2024 23:08	WG2294807
Hexachlorobenzene	U		0.0156	0.441	1	05/30/2024 23:08	WG2294807
Hexachloro-1,3-butadiene	U		0.0148	0.441	1	05/30/2024 23:08	WG2294807
Hexachlorocyclopentadiene	U		0.0232	0.441	1	05/30/2024 23:08	WG2294807
Hexachloroethane	U		0.0174	0.441	1	05/30/2024 23:08	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.0125	0.0441	1	05/30/2024 23:08	WG2294807
Isophorone	U		0.0135	0.441	1	05/30/2024 23:08	WG2294807
Naphthalene	U		0.0111	0.0441	1	05/30/2024 23:08	WG2294807
Nitrobenzene	U		0.0154	0.441	1	05/30/2024 23:08	WG2294807
n-Nitrosodimethylamine	U		0.0655	0.441	1	05/30/2024 23:08	WG2294807

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.0334	0.441	1	05/30/2024 23:08	WG2294807
n-Nitrosodi-n-propylamine	U		0.0147	0.441	1	05/30/2024 23:08	WG2294807
Phenanthrene	U		0.00876	0.0441	1	05/30/2024 23:08	WG2294807
Benzylbutyl phthalate	U		0.0138	0.441	1	05/30/2024 23:08	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0559	0.441	1	05/30/2024 23:08	WG2294807
Di-n-butyl phthalate	U		0.0151	0.441	1	05/30/2024 23:08	WG2294807
Diethyl phthalate	U		0.0146	0.441	1	05/30/2024 23:08	WG2294807
Dimethyl phthalate	U		0.0936	0.441	1	05/30/2024 23:08	WG2294807
Di-n-octyl phthalate	U		0.0298	0.441	1	05/30/2024 23:08	WG2294807
Pyrene	U		0.00859	0.0441	1	05/30/2024 23:08	WG2294807
1,2,4-Trichlorobenzene	U		0.0138	0.441	1	05/30/2024 23:08	WG2294807
4-Chloro-3-methylphenol	U		0.0143	0.441	1	05/30/2024 23:08	WG2294807
2-Chlorophenol	U		0.0146	0.441	1	05/30/2024 23:08	WG2294807
2,4-Dichlorophenol	U		0.0129	0.441	1	05/30/2024 23:08	WG2294807
2,4-Dimethylphenol	U		0.0115	0.441	1	05/30/2024 23:08	WG2294807
4,6-Dinitro-2-methylphenol	U		0.100	0.441	1	05/30/2024 23:08	WG2294807
2,4-Dinitrophenol	U		0.103	0.441	1	05/30/2024 23:08	WG2294807
2-Nitrophenol	U		0.0158	0.441	1	05/30/2024 23:08	WG2294807
4-Nitrophenol	U		0.0138	0.441	1	05/30/2024 23:08	WG2294807
Pentachlorophenol	U		0.0119	0.441	1	05/30/2024 23:08	WG2294807
Phenol	U		0.0178	0.441	1	05/30/2024 23:08	WG2294807
2,4,6-Trichlorophenol	U		0.0142	0.441	1	05/30/2024 23:08	WG2294807
(S) 2-Fluorophenol	*79.7*			*12.0-120*		*05/30/2024 23:08*	WG2294807
(S) Phenol-d5	*74.4*			*10.0-120*		*05/30/2024 23:08*	WG2294807
(S) Nitrobenzene-d5	*60.6*			*10.0-122*		*05/30/2024 23:08*	WG2294807
(S) 2-Fluorobiphenyl	*70.7*			*15.0-120*		*05/30/2024 23:08*	WG2294807
(S) 2,4,6-Tribromophenol	*77.4*			*10.0-127*		*05/30/2024 23:08*	WG2294807
(S) p-Terphenyl-d14	*79.2*			*10.0-120*		*05/30/2024 23:08*	WG2294807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	06/10/2024 16:19	WG2302291

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	6.14	B	1.49	4.50	25	06/02/2024 15:46	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*06/02/2024 15:46*	WG2297113

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	05/27/2024 07:43	WG2293517

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.79	B J	1.27	3.82	25	05/26/2024 03:20	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*05/26/2024 03:20*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0558	0.0764	1	05/28/2024 00:14	WG2293465
Acrylonitrile	U		0.00552	0.0191	1	05/28/2024 00:14	WG2293465
Benzene	U		0.000714	0.00153	1	05/28/2024 00:14	WG2293465
Bromobenzene	U		0.00138	0.0191	1	05/28/2024 00:14	WG2293465
Bromodichloromethane	U		0.00111	0.00382	1	05/28/2024 00:14	WG2293465
Bromoform	U		0.00179	0.0382	1	05/28/2024 00:14	WG2293465
Bromomethane	U		0.00301	0.0191	1	05/28/2024 00:14	WG2293465
n-Butylbenzene	U		0.00803	0.0191	1	05/28/2024 00:14	WG2293465
sec-Butylbenzene	U		0.00440	0.0191	1	05/28/2024 00:14	WG2293465
tert-Butylbenzene	U		0.00298	0.00764	1	05/28/2024 00:14	WG2293465
Carbon tetrachloride	U		0.00137	0.00764	1	05/28/2024 00:14	WG2293465
Chlorobenzene	U		0.000321	0.00382	1	05/28/2024 00:14	WG2293465
Chlorodibromomethane	U		0.000936	0.00382	1	05/28/2024 00:14	WG2293465
Chloroethane	U		0.00260	0.00764	1	05/28/2024 00:14	WG2293465
Chloroform	U		0.00157	0.00382	1	05/28/2024 00:14	WG2293465
Chloromethane	U		0.00665	0.0191	1	05/28/2024 00:14	WG2293465
2-Chlorotoluene	U		0.00132	0.00382	1	05/28/2024 00:14	WG2293465
4-Chlorotoluene	U	J4	0.000688	0.00764	1	05/28/2024 00:14	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0382	1	05/28/2024 00:14	WG2293465
1,2-Dibromoethane	U		0.000991	0.00382	1	05/28/2024 00:14	WG2293465
Dibromomethane	U		0.00115	0.00764	1	05/28/2024 00:14	WG2293465
1,2-Dichlorobenzene	U		0.000650	0.00764	1	05/28/2024 00:14	WG2293465
1,3-Dichlorobenzene	U		0.000917	0.00764	1	05/28/2024 00:14	WG2293465
1,4-Dichlorobenzene	U		0.00107	0.00764	1	05/28/2024 00:14	WG2293465
Dichlorodifluoromethane	U		0.00246	0.00764	1	05/28/2024 00:14	WG2293465
1,1-Dichloroethane	U		0.000751	0.00382	1	05/28/2024 00:14	WG2293465
1,2-Dichloroethane	U		0.000992	0.00382	1	05/28/2024 00:14	WG2293465
1,1-Dichloroethene	U		0.000927	0.00382	1	05/28/2024 00:14	WG2293465
cis-1,2-Dichloroethene	U		0.00112	0.00382	1	05/28/2024 00:14	WG2293465
trans-1,2-Dichloroethene	U		0.00159	0.00764	1	05/28/2024 00:14	WG2293465
1,2-Dichloropropane	U		0.00217	0.00764	1	05/28/2024 00:14	WG2293465
1,1-Dichloropropene	U		0.00124	0.00382	1	05/28/2024 00:14	WG2293465
1,3-Dichloropropane	U		0.000766	0.00764	1	05/28/2024 00:14	WG2293465
cis-1,3-Dichloropropene	U		0.00116	0.00382	1	05/28/2024 00:14	WG2293465
trans-1,3-Dichloropropene	U		0.00174	0.00764	1	05/28/2024 00:14	WG2293465
2,2-Dichloropropane	U		0.00211	0.00382	1	05/28/2024 00:14	WG2293465
Di-isopropyl ether	U		0.000627	0.00153	1	05/28/2024 00:14	WG2293465
Ethylbenzene	U		0.00113	0.00382	1	05/28/2024 00:14	WG2293465
Hexachloro-1,3-butadiene	U		0.00917	0.0382	1	05/28/2024 00:14	WG2293465
Isopropylbenzene	U		0.000650	0.00382	1	05/28/2024 00:14	WG2293465
p-Isopropyltoluene	U		0.00390	0.00764	1	05/28/2024 00:14	WG2293465
2-Butanone (MEK)	U	J4	0.0971	0.153	1	05/28/2024 00:14	WG2293465
Methylene Chloride	U		0.0102	0.0382	1	05/28/2024 00:14	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00349	0.0382	1	05/28/2024 00:14	WG2293465

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000535	0.00153	1	05/28/2024 00:14	WG2293465
Naphthalene	U	J3	0.00746	0.0191	1	05/28/2024 00:14	WG2293465
n-Propylbenzene	U		0.00145	0.00764	1	05/28/2024 00:14	WG2293465
Styrene	U		0.000350	0.0191	1	05/28/2024 00:14	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00145	0.00382	1	05/28/2024 00:14	WG2293465
1,1,2,2-Tetrachloroethane	U		0.00106	0.00382	1	05/28/2024 00:14	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00382	1	05/28/2024 00:14	WG2293465
Tetrachloroethene	U		0.00137	0.00382	1	05/28/2024 00:14	WG2293465
Toluene	0.00269	J	0.00199	0.00764	1	05/28/2024 00:14	WG2293465
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	05/28/2024 00:14	WG2293465
1,2,4-Trichlorobenzene	U		0.00673	0.0191	1	05/28/2024 00:14	WG2293465
1,1,1-Trichloroethane	U		0.00141	0.00382	1	05/28/2024 00:14	WG2293465
1,1,2-Trichloroethane	U		0.000913	0.00382	1	05/28/2024 00:14	WG2293465
Trichloroethene	U		0.000893	0.00153	1	05/28/2024 00:14	WG2293465
Trichlorofluoromethane	U		0.00126	0.00382	1	05/28/2024 00:14	WG2293465
1,2,3-Trichloropropane	U		0.00248	0.0191	1	05/28/2024 00:14	WG2293465
1,2,4-Trimethylbenzene	U		0.00242	0.00764	1	05/28/2024 00:14	WG2293465
1,2,3-Trimethylbenzene	U		0.00242	0.00764	1	05/28/2024 00:14	WG2293465
1,3,5-Trimethylbenzene	U		0.00306	0.00764	1	05/28/2024 00:14	WG2293465
Vinyl chloride	U		0.00177	0.00382	1	05/28/2024 00:14	WG2293465
Xylenes, Total	U		0.00135	0.00994	1	05/28/2024 00:14	WG2293465
(S) Toluene-d8	*99.2*			*75.0-131*		*05/28/2024 00:14*	WG2293465
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/28/2024 00:14*	WG2293465
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*05/28/2024 00:14*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.54	J	0.913	4.98	1	05/30/2024 17:01	WG2295238
C22-C32 Hydrocarbons	3.46	J	1.66	4.98	1	05/30/2024 17:01	WG2295238
C32-C40 Hydrocarbons	3.39	J	1.66	4.98	1	05/30/2024 17:01	WG2295238
(S) o-Terphenyl	*44.0*			*18.0-148*		*05/30/2024 17:01*	WG2295238

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.205		0.0194	0.0432	1	05/27/2024 13:40	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.587	2.16	1	06/01/2024 18:53	WG2293711
Arsenic	8.47		0.559	2.16	1	06/01/2024 18:53	WG2293711
Barium	198		0.0920	0.540	1	06/01/2024 18:53	WG2293711
Beryllium	0.217		0.0340	0.216	1	06/01/2024 18:53	WG2293711
Cadmium	2.30		0.0509	0.540	1	06/01/2024 18:53	WG2293711
Chromium	33.5		0.144	1.08	1	06/01/2024 18:53	WG2293711
Cobalt	6.82		0.0876	1.08	1	06/01/2024 18:53	WG2293711
Copper	373		0.432	2.16	1	06/01/2024 18:53	WG2293711
Lead	361		0.225	0.540	1	06/01/2024 18:53	WG2293711
Molybdenum	1.10		0.118	0.540	1	06/01/2024 18:53	WG2293711
Nickel	59.8		0.143	2.16	1	06/01/2024 18:53	WG2293711
Selenium	U		0.825	2.16	1	06/01/2024 18:53	WG2293711
Silver	1.01	J	0.137	1.08	1	06/01/2024 18:53	WG2293711
Thallium	1.60	J	0.425	2.16	1	06/01/2024 18:53	WG2293711
Vanadium	22.9		0.546	2.16	1	06/01/2024 18:53	WG2293711
Zinc	6260		4.49	27.0	5	06/02/2024 11:56	WG2293711

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0367	1	05/28/2024 12:13	WG2294060
PCB 1221	U		0.0127	0.0367	1	05/28/2024 12:13	WG2294060
PCB 1232	U		0.0127	0.0367	1	05/28/2024 12:13	WG2294060
PCB 1242	U		0.0127	0.0367	1	05/28/2024 12:13	WG2294060
PCB 1248	U		0.00797	0.0184	1	05/28/2024 12:13	WG2294060
PCB 1254	U		0.00797	0.0184	1	05/28/2024 12:13	WG2294060
PCB 1260	0.147		0.00797	0.0184	1	05/28/2024 12:13	WG2294060
(S) Decachlorobiphenyl	*54.4*			*10.0-135*		*05/28/2024 12:13*	WG2294060
(S) Tetrachloro-m-xylene	*57.9*			*10.0-139*		*05/28/2024 12:13*	WG2294060

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0117	0.0719	2	05/31/2024 01:35	WG2294807
Acenaphthylene	U		0.0101	0.0719	2	05/31/2024 01:35	WG2294807
Anthracene	U		0.0129	0.0719	2	05/31/2024 01:35	WG2294807
Benzidine	U		0.135	3.61	2	05/31/2024 01:35	WG2294807
Benzo(a)anthracene	0.0275	J	0.0126	0.0719	2	05/31/2024 01:35	WG2294807
Benzo(b)fluoranthene	0.0630	J	0.0134	0.0719	2	05/31/2024 01:35	WG2294807
Benzo(k)fluoranthene	0.0188	J	0.0127	0.0719	2	05/31/2024 01:35	WG2294807
Benzo(g,h,i)perylene	0.0366	J	0.0132	0.0719	2	05/31/2024 01:35	WG2294807
Benzo(a)pyrene	0.0356	J	0.0134	0.0719	2	05/31/2024 01:35	WG2294807
Bis(2-chlorethoxy)methane	U		0.0216	0.719	2	05/31/2024 01:35	WG2294807
Bis(2-chloroethyl)ether	U		0.0238	0.719	2	05/31/2024 01:35	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0311	0.719	2	05/31/2024 01:35	WG2294807
4-Bromophenyl-phenylether	U		0.0253	0.719	2	05/31/2024 01:35	WG2294807
2-Chloronaphthalene	U		0.0126	0.0719	2	05/31/2024 01:35	WG2294807
4-Chlorophenyl-phenylether	U		0.0251	0.719	2	05/31/2024 01:35	WG2294807
Chrysene	0.0346	J	0.0143	0.0719	2	05/31/2024 01:35	WG2294807
Dibenz(a,h)anthracene	U		0.0200	0.0719	2	05/31/2024 01:35	WG2294807
1,2-Dichlorobenzene	U		0.0213	0.719	2	05/31/2024 01:35	WG2294807
1,3-Dichlorobenzene	U		0.0218	0.719	2	05/31/2024 01:35	WG2294807
1,4-Dichlorobenzene	U		0.0214	0.719	2	05/31/2024 01:35	WG2294807
3,3-Dichlorobenzidine	U		0.0266	0.719	2	05/31/2024 01:35	WG2294807
2,4-Dinitrotoluene	U		0.0206	0.719	2	05/31/2024 01:35	WG2294807
2,6-Dinitrotoluene	U		0.0235	0.719	2	05/31/2024 01:35	WG2294807
Fluoranthene	0.0484	J	0.0130	0.0719	2	05/31/2024 01:35	WG2294807
Fluorene	U		0.0117	0.0719	2	05/31/2024 01:35	WG2294807
Hexachlorobenzene	U		0.0255	0.719	2	05/31/2024 01:35	WG2294807
Hexachloro-1,3-butadiene	U		0.0242	0.719	2	05/31/2024 01:35	WG2294807
Hexachlorocyclopentadiene	U		0.0378	0.719	2	05/31/2024 01:35	WG2294807
Hexachloroethane	U		0.0283	0.719	2	05/31/2024 01:35	WG2294807
Indeno(1,2,3-cd)pyrene	0.0422	J	0.0203	0.0719	2	05/31/2024 01:35	WG2294807
Isophorone	U		0.0220	0.719	2	05/31/2024 01:35	WG2294807
Naphthalene	U		0.0180	0.0719	2	05/31/2024 01:35	WG2294807
Nitrobenzene	U		0.0251	0.719	2	05/31/2024 01:35	WG2294807
n-Nitrosodimethylamine	U		0.107	0.719	2	05/31/2024 01:35	WG2294807
n-Nitrosodiphenylamine	U		0.0544	0.719	2	05/31/2024 01:35	WG2294807
n-Nitrosodi-n-propylamine	U		0.0240	0.719	2	05/31/2024 01:35	WG2294807
Phenanthrene	0.0255	J	0.0143	0.0719	2	05/31/2024 01:35	WG2294807
Benzylbutyl phthalate	0.402	J	0.0225	0.719	2	05/31/2024 01:35	WG2294807
Bis(2-ethylhexyl)phthalate	0.140	J	0.0911	0.719	2	05/31/2024 01:35	WG2294807
Di-n-butyl phthalate	0.0326	J	0.0246	0.719	2	05/31/2024 01:35	WG2294807
Diethyl phthalate	U		0.0238	0.719	2	05/31/2024 01:35	WG2294807
Dimethyl phthalate	U		0.152	0.719	2	05/31/2024 01:35	WG2294807
Di-n-octyl phthalate	U		0.0486	0.719	2	05/31/2024 01:35	WG2294807
Pyrene	0.0514	J	0.0140	0.0719	2	05/31/2024 01:35	WG2294807
1,2,4-Trichlorobenzene	U		0.0225	0.719	2	05/31/2024 01:35	WG2294807
4-Chloro-3-methylphenol	U		0.0233	0.719	2	05/31/2024 01:35	WG2294807
2-Chlorophenol	U		0.0238	0.719	2	05/31/2024 01:35	WG2294807
2,4-Dichlorophenol	U		0.0209	0.719	2	05/31/2024 01:35	WG2294807
2,4-Dimethylphenol	U		0.0188	0.719	2	05/31/2024 01:35	WG2294807
4,6-Dinitro-2-methylphenol	U		0.163	0.719	2	05/31/2024 01:35	WG2294807
2,4-Dinitrophenol	U		0.168	0.719	2	05/31/2024 01:35	WG2294807
2-Nitrophenol	U		0.0257	0.719	2	05/31/2024 01:35	WG2294807
4-Nitrophenol	U		0.0225	0.719	2	05/31/2024 01:35	WG2294807
Pentachlorophenol	U		0.0193	0.719	2	05/31/2024 01:35	WG2294807
Phenol	U		0.0289	0.719	2	05/31/2024 01:35	WG2294807
2,4,6-Trichlorophenol	U		0.0231	0.719	2	05/31/2024 01:35	WG2294807
(S) 2-Fluorophenol	*84.2*			*12.0-120*		*05/31/2024 01:35*	WG2294807
(S) Phenol-d5	*85.7*			*10.0-120*		*05/31/2024 01:35*	WG2294807
(S) Nitrobenzene-d5	*71.7*			*10.0-122*		*05/31/2024 01:35*	WG2294807
(S) 2-Fluorobiphenyl	*86.6*			*15.0-120*		*05/31/2024 01:35*	WG2294807
(S) 2,4,6-Tribromophenol	*62.9*			*10.0-127*		*05/31/2024 01:35*	WG2294807
(S) p-Terphenyl-d14	*94.1*			*10.0-120*		*05/31/2024 01:35*	WG2294807

Sample Narrative:

L1738627-11 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	05/27/2024 07:43	WG2293517

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.286		0.0197	0.0438	1	05/27/2024 13:42	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.596	2.19	1	06/01/2024 18:55	WG2293711
Arsenic	3.84		0.567	2.19	1	06/01/2024 18:55	WG2293711
Barium	266		0.0933	0.548	1	06/01/2024 18:55	WG2293711
Beryllium	0.312		0.0345	0.219	1	06/01/2024 18:55	WG2293711
Cadmium	1.17		0.0516	0.548	1	06/01/2024 18:55	WG2293711
Chromium	28.7		0.146	1.10	1	06/01/2024 18:55	WG2293711
Cobalt	12.9		0.0888	1.10	1	06/01/2024 18:55	WG2293711
Copper	209		0.438	2.19	1	06/01/2024 18:55	WG2293711
Lead	179		0.228	0.548	1	06/01/2024 18:55	WG2293711
Molybdenum	0.197	J	0.119	0.548	1	06/01/2024 18:55	WG2293711
Nickel	53.5		0.145	2.19	1	06/01/2024 18:55	WG2293711
Selenium	U		0.837	2.19	1	06/01/2024 18:55	WG2293711
Silver	0.796	J	0.139	1.10	1	06/01/2024 18:55	WG2293711
Thallium	1.60	J	0.432	2.19	1	06/01/2024 18:55	WG2293711
Vanadium	31.4		0.554	2.19	1	06/01/2024 18:55	WG2293711
Zinc	384		0.911	5.48	1	06/01/2024 18:55	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0447	0.0613	1	05/28/2024 00:33	WG2293465
Acrylonitrile	U		0.00442	0.0153	1	05/28/2024 00:33	WG2293465
Benzene	U		0.000572	0.00123	1	05/28/2024 00:33	WG2293465
Bromobenzene	U		0.00110	0.0153	1	05/28/2024 00:33	WG2293465
Bromodichloromethane	U		0.000889	0.00306	1	05/28/2024 00:33	WG2293465
Bromoform	U		0.00143	0.0306	1	05/28/2024 00:33	WG2293465
Bromomethane	U		0.00241	0.0153	1	05/28/2024 00:33	WG2293465
n-Butylbenzene	U		0.00643	0.0153	1	05/28/2024 00:33	WG2293465
sec-Butylbenzene	U		0.00353	0.0153	1	05/28/2024 00:33	WG2293465
tert-Butylbenzene	U		0.00239	0.00613	1	05/28/2024 00:33	WG2293465
Carbon tetrachloride	U		0.00110	0.00613	1	05/28/2024 00:33	WG2293465
Chlorobenzene	U		0.000257	0.00306	1	05/28/2024 00:33	WG2293465
Chlorodibromomethane	U		0.000750	0.00306	1	05/28/2024 00:33	WG2293465
Chloroethane	U		0.00208	0.00613	1	05/28/2024 00:33	WG2293465
Chloroform	U		0.00126	0.00306	1	05/28/2024 00:33	WG2293465
Chloromethane	U		0.00533	0.0153	1	05/28/2024 00:33	WG2293465
2-Chlorotoluene	U		0.00106	0.00306	1	05/28/2024 00:33	WG2293465
4-Chlorotoluene	U	J4	0.000552	0.00613	1	05/28/2024 00:33	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00478	0.0306	1	05/28/2024 00:33	WG2293465
1,2-Dibromoethane	U		0.000794	0.00306	1	05/28/2024 00:33	WG2293465
Dibromomethane	U		0.000919	0.00613	1	05/28/2024 00:33	WG2293465
1,2-Dichlorobenzene	U		0.000521	0.00613	1	05/28/2024 00:33	WG2293465
1,3-Dichlorobenzene	U		0.000735	0.00613	1	05/28/2024 00:33	WG2293465
1,4-Dichlorobenzene	U		0.000858	0.00613	1	05/28/2024 00:33	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00197	0.00613	1	05/28/2024 00:33	WG2293465
1,1-Dichloroethane	U		0.000602	0.00306	1	05/28/2024 00:33	WG2293465
1,2-Dichloroethane	U		0.000795	0.00306	1	05/28/2024 00:33	WG2293465
1,1-Dichloroethene	U		0.000743	0.00306	1	05/28/2024 00:33	WG2293465
cis-1,2-Dichloroethene	U		0.000900	0.00306	1	05/28/2024 00:33	WG2293465
trans-1,2-Dichloroethene	U		0.00127	0.00613	1	05/28/2024 00:33	WG2293465
1,2-Dichloropropane	U		0.00174	0.00613	1	05/28/2024 00:33	WG2293465
1,1-Dichloropropene	U		0.000992	0.00306	1	05/28/2024 00:33	WG2293465
1,3-Dichloropropane	U		0.000614	0.00613	1	05/28/2024 00:33	WG2293465
cis-1,3-Dichloropropene	U		0.000928	0.00306	1	05/28/2024 00:33	WG2293465
trans-1,3-Dichloropropene	U		0.00140	0.00613	1	05/28/2024 00:33	WG2293465
2,2-Dichloropropane	U		0.00169	0.00306	1	05/28/2024 00:33	WG2293465
Di-isopropyl ether	U		0.000503	0.00123	1	05/28/2024 00:33	WG2293465
Ethylbenzene	U		0.000903	0.00306	1	05/28/2024 00:33	WG2293465
Hexachloro-1,3-butadiene	U		0.00735	0.0306	1	05/28/2024 00:33	WG2293465
Isopropylbenzene	U		0.000521	0.00306	1	05/28/2024 00:33	WG2293465
p-Isopropyltoluene	U		0.00313	0.00613	1	05/28/2024 00:33	WG2293465
2-Butanone (MEK)	U	J4	0.0778	0.123	1	05/28/2024 00:33	WG2293465
Methylene Chloride	U		0.00814	0.0306	1	05/28/2024 00:33	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00279	0.0306	1	05/28/2024 00:33	WG2293465
Methyl tert-butyl ether	U		0.000429	0.00123	1	05/28/2024 00:33	WG2293465
Naphthalene	U	J3	0.00598	0.0153	1	05/28/2024 00:33	WG2293465
n-Propylbenzene	U		0.00116	0.00613	1	05/28/2024 00:33	WG2293465
Styrene	U		0.000281	0.0153	1	05/28/2024 00:33	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00116	0.00306	1	05/28/2024 00:33	WG2293465
1,1,2,2-Tetrachloroethane	U		0.000852	0.00306	1	05/28/2024 00:33	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.000924	0.00306	1	05/28/2024 00:33	WG2293465
Tetrachloroethene	U		0.00110	0.00306	1	05/28/2024 00:33	WG2293465
Toluene	U		0.00159	0.00613	1	05/28/2024 00:33	WG2293465
1,2,3-Trichlorobenzene	U		0.00898	0.0153	1	05/28/2024 00:33	WG2293465
1,2,4-Trichlorobenzene	U		0.00539	0.0153	1	05/28/2024 00:33	WG2293465
1,1,1-Trichloroethane	U		0.00113	0.00306	1	05/28/2024 00:33	WG2293465
1,1,2-Trichloroethane	U		0.000732	0.00306	1	05/28/2024 00:33	WG2293465
Trichloroethene	U		0.000716	0.00123	1	05/28/2024 00:33	WG2293465
Trichlorofluoromethane	U		0.00101	0.00306	1	05/28/2024 00:33	WG2293465
1,2,3-Trichloropropane	U		0.00199	0.0153	1	05/28/2024 00:33	WG2293465
1,2,4-Trimethylbenzene	U		0.00194	0.00613	1	05/28/2024 00:33	WG2293465
1,2,3-Trimethylbenzene	U		0.00194	0.00613	1	05/28/2024 00:33	WG2293465
1,3,5-Trimethylbenzene	U		0.00245	0.00613	1	05/28/2024 00:33	WG2293465
Vinyl chloride	U		0.00142	0.00306	1	05/28/2024 00:33	WG2293465
Xylenes, Total	U		0.00108	0.00797	1	05/28/2024 00:33	WG2293465
(S) Toluene-d8	*99.0*			*75.0-131*		*05/28/2024 00:33*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/28/2024 00:33*	WG2293465
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*05/28/2024 00:33*	WG2293465

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.129	0.372	10	06/06/2024 01:01	WG2298713
PCB 1221	U		0.129	0.372	10	06/06/2024 01:01	WG2298713
PCB 1232	U		0.129	0.372	10	06/06/2024 01:01	WG2298713
PCB 1242	U		0.129	0.372	10	06/06/2024 01:01	WG2298713
PCB 1248	U		0.0808	0.186	10	06/06/2024 01:01	WG2298713
PCB 1254	U		0.0808	0.186	10	06/06/2024 01:01	WG2298713
PCB 1260	U		0.0808	0.186	10	06/06/2024 01:01	WG2298713
(S) Decachlorobiphenyl	*82.1*			*10.0-135*		*06/06/2024 01:01*	WG2298713

1 Cp 2 Tc 3 Ss 4 Cn 5 Ds 6 Sr 7 Qc 8 Gl 9 Al 10 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*73.8*			*10.0-139*		*06/06/2024 01:01*	WG2298713

Sample Narrative:

L1738627-12 WG2298713: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0590	0.365	10	05/31/2024 10:32	WG2294807
Acenaphthylene	U		0.0514	0.365	10	05/31/2024 10:32	WG2294807
Anthracene	U		0.0649	0.365	10	05/31/2024 10:32	WG2294807
Benzidine	U		0.686	18.3	10	05/31/2024 10:32	WG2294807
Benzo(a)anthracene	U		0.0643	0.365	10	05/31/2024 10:32	WG2294807
Benzo(b)fluoranthene	U		0.0680	0.365	10	05/31/2024 10:32	WG2294807
Benzo(k)fluoranthene	U		0.0648	0.365	10	05/31/2024 10:32	WG2294807
Benzo(g,h,i)perylene	U		0.0667	0.365	10	05/31/2024 10:32	WG2294807
Benzo(a)pyrene	U		0.0678	0.365	10	05/31/2024 10:32	WG2294807
Bis(2-chlorethoxy)methane	U		0.110	3.65	10	05/31/2024 10:32	WG2294807
Bis(2-chloroethyl)ether	U		0.120	3.65	10	05/31/2024 10:32	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.158	3.65	10	05/31/2024 10:32	WG2294807
4-Bromophenyl-phenylether	U		0.128	3.65	10	05/31/2024 10:32	WG2294807
2-Chloronaphthalene	U		0.0641	0.365	10	05/31/2024 10:32	WG2294807
4-Chlorophenyl-phenylether	U		0.127	3.65	10	05/31/2024 10:32	WG2294807
Chrysene	U		0.0725	0.365	10	05/31/2024 10:32	WG2294807
Dibenz(a,h)anthracene	U		0.101	0.365	10	05/31/2024 10:32	WG2294807
1,2-Dichlorobenzene	U		0.108	3.65	10	05/31/2024 10:32	WG2294807
1,3-Dichlorobenzene	U		0.111	3.65	10	05/31/2024 10:32	WG2294807
1,4-Dichlorobenzene	U		0.109	3.65	10	05/31/2024 10:32	WG2294807
3,3-Dichlorobenzidine	U		0.135	3.65	10	05/31/2024 10:32	WG2294807
2,4-Dinitrotoluene	U		0.105	3.65	10	05/31/2024 10:32	WG2294807
2,6-Dinitrotoluene	U		0.119	3.65	10	05/31/2024 10:32	WG2294807
Fluoranthene	U		0.0658	0.365	10	05/31/2024 10:32	WG2294807
Fluorene	U		0.0594	0.365	10	05/31/2024 10:32	WG2294807
Hexachlorobenzene	U		0.129	3.65	10	05/31/2024 10:32	WG2294807
Hexachloro-1,3-butadiene	U		0.123	3.65	10	05/31/2024 10:32	WG2294807
Hexachlorocyclopentadiene	U		0.192	3.65	10	05/31/2024 10:32	WG2294807
Hexachloroethane	U		0.143	3.65	10	05/31/2024 10:32	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.103	0.365	10	05/31/2024 10:32	WG2294807
Isophorone	U		0.112	3.65	10	05/31/2024 10:32	WG2294807
Naphthalene	U		0.0916	0.365	10	05/31/2024 10:32	WG2294807
Nitrobenzene	U		0.127	3.65	10	05/31/2024 10:32	WG2294807
n-Nitrosodimethylamine	U		0.541	3.65	10	05/31/2024 10:32	WG2294807
n-Nitrosodiphenylamine	U		0.276	3.65	10	05/31/2024 10:32	WG2294807
n-Nitrosodi-n-propylamine	U		0.122	3.65	10	05/31/2024 10:32	WG2294807
Phenanthrene	U		0.0724	0.365	10	05/31/2024 10:32	WG2294807
Benzylbutyl phthalate	U		0.114	3.65	10	05/31/2024 10:32	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.462	3.65	10	05/31/2024 10:32	WG2294807
Di-n-butyl phthalate	U		0.125	3.65	10	05/31/2024 10:32	WG2294807
Diethyl phthalate	U		0.120	3.65	10	05/31/2024 10:32	WG2294807
Dimethyl phthalate	U		0.773	3.65	10	05/31/2024 10:32	WG2294807
Di-n-octyl phthalate	U		0.246	3.65	10	05/31/2024 10:32	WG2294807
Pyrene	U		0.0710	0.365	10	05/31/2024 10:32	WG2294807
1,2,4-Trichlorobenzene	U		0.114	3.65	10	05/31/2024 10:32	WG2294807
4-Chloro-3-methylphenol	U		0.118	3.65	10	05/31/2024 10:32	WG2294807
2-Chlorophenol	U		0.120	3.65	10	05/31/2024 10:32	WG2294807
2,4-Dichlorophenol	U		0.106	3.65	10	05/31/2024 10:32	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0953	3.65	10	05/31/2024 10:32	WG2294807
4,6-Dinitro-2-methylphenol	U		0.827	3.65	10	05/31/2024 10:32	WG2294807
2,4-Dinitrophenol	U		0.853	3.65	10	05/31/2024 10:32	WG2294807
2-Nitrophenol	U		0.130	3.65	10	05/31/2024 10:32	WG2294807
4-Nitrophenol	U		0.114	3.65	10	05/31/2024 10:32	WG2294807
Pentachlorophenol	U		0.0981	3.65	10	05/31/2024 10:32	WG2294807
Phenol	U		0.147	3.65	10	05/31/2024 10:32	WG2294807
2,4,6-Trichlorophenol	U		0.117	3.65	10	05/31/2024 10:32	WG2294807
(S) 2-Fluorophenol	*100*			*12.0-120*		*05/31/2024 10:32*	WG2294807
(S) Phenol-d5	*88.9*			*10.0-120*		*05/31/2024 10:32*	WG2294807
(S) Nitrobenzene-d5	*71.1*			*10.0-122*		*05/31/2024 10:32*	WG2294807
(S) 2-Fluorobiphenyl	*90.6*			*15.0-120*		*05/31/2024 10:32*	WG2294807
(S) 2,4,6-Tribromophenol	*74.5*			*10.0-127*		*05/31/2024 10:32*	WG2294807
(S) p-Terphenyl-d14	*93.6*			*10.0-120*		*05/31/2024 10:32*	WG2294807

Sample Narrative:

L1738627-12 WG2294807: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.568		0.0203	0.0451	1	05/27/2024 13:50	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.613	2.25	1	06/01/2024 18:56	WG2293711
Arsenic	4.54		0.584	2.25	1	06/01/2024 18:56	WG2293711
Barium	213		0.0961	0.564	1	06/01/2024 18:56	WG2293711
Beryllium	0.153	J	0.0355	0.225	1	06/01/2024 18:56	WG2293711
Cadmium	0.175	J	0.0531	0.564	1	06/01/2024 18:56	WG2293711
Chromium	16.9		0.150	1.13	1	06/01/2024 18:56	WG2293711
Cobalt	4.72		0.0914	1.13	1	06/01/2024 18:56	WG2293711
Copper	28.1		0.451	2.25	1	06/01/2024 18:56	WG2293711
Lead	90.7		0.235	0.564	1	06/01/2024 18:56	WG2293711
Molybdenum	0.183	J	0.123	0.564	1	06/01/2024 18:56	WG2293711
Nickel	21.6		0.149	2.25	1	06/01/2024 18:56	WG2293711
Selenium	U		0.861	2.25	1	06/01/2024 18:56	WG2293711
Silver	0.322	J	0.143	1.13	1	06/01/2024 18:56	WG2293711
Thallium	0.966	J	0.444	2.25	1	06/01/2024 18:56	WG2293711
Vanadium	15.9		0.570	2.25	1	06/01/2024 18:56	WG2293711
Zinc	78.7		0.938	5.64	1	06/01/2024 18:56	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.46	B J	1.07	3.22	25	05/26/2024 03:40	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*		*05/26/2024 03:40*	WG2293479

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U		16.6	90.2	20	05/30/2024 20:08	WG2295238
C22-C32 Hydrocarbons	165		30.0	90.2	20	05/30/2024 20:08	WG2295238
C32-C40 Hydrocarbons	286		30.0	90.2	20	05/30/2024 20:08	WG2295238
(S) o-Terphenyl	*75.7*	J7		*18.0-148*		*05/30/2024 20:08*	WG2295238

Sample Narrative:

L1738627-13 WG2295238: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0608	0.375	10	05/31/2024 10:56	WG2294807
Acenaphthylene	0.405		0.0529	0.375	10	05/31/2024 10:56	WG2294807
Anthracene	0.483		0.0669	0.375	10	05/31/2024 10:56	WG2294807
Benzidine	U		0.706	18.8	10	05/31/2024 10:56	WG2294807
Benzo(a)anthracene	1.66		0.0662	0.375	10	05/31/2024 10:56	WG2294807
Benzo(b)fluoranthene	1.75		0.0700	0.375	10	05/31/2024 10:56	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	0.676		0.0667	0.375	10	05/31/2024 10:56	WG2294807
Benzo(g,h,i)perylene	0.630		0.0687	0.375	10	05/31/2024 10:56	WG2294807
Benzo(a)pyrene	1.52		0.0698	0.375	10	05/31/2024 10:56	WG2294807
Bis(2-chlorethoxy)methane	U		0.113	3.75	10	05/31/2024 10:56	WG2294807
Bis(2-chloroethyl)ether	U		0.124	3.75	10	05/31/2024 10:56	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.162	3.75	10	05/31/2024 10:56	WG2294807
4-Bromophenyl-phenylether	U		0.132	3.75	10	05/31/2024 10:56	WG2294807
2-Chloronaphthalene	U		0.0660	0.375	10	05/31/2024 10:56	WG2294807
4-Chlorophenyl-phenylether	U		0.131	3.75	10	05/31/2024 10:56	WG2294807
Chrysene	1.70		0.0746	0.375	10	05/31/2024 10:56	WG2294807
Dibenz(a,h)anthracene	0.202	J	0.104	0.375	10	05/31/2024 10:56	WG2294807
1,2-Dichlorobenzene	U		0.111	3.75	10	05/31/2024 10:56	WG2294807
1,3-Dichlorobenzene	U		0.114	3.75	10	05/31/2024 10:56	WG2294807
1,4-Dichlorobenzene	U		0.112	3.75	10	05/31/2024 10:56	WG2294807
3,3-Dichlorobenzidine	U		0.139	3.75	10	05/31/2024 10:56	WG2294807
2,4-Dinitrotoluene	U		0.108	3.75	10	05/31/2024 10:56	WG2294807
2,6-Dinitrotoluene	U		0.123	3.75	10	05/31/2024 10:56	WG2294807
Fluoranthene	3.80		0.0678	0.375	10	05/31/2024 10:56	WG2294807
Fluorene	0.138	J	0.0611	0.375	10	05/31/2024 10:56	WG2294807
Hexachlorobenzene	U		0.133	3.75	10	05/31/2024 10:56	WG2294807
Hexachloro-1,3-butadiene	U		0.126	3.75	10	05/31/2024 10:56	WG2294807
Hexachlorocyclopentadiene	U		0.197	3.75	10	05/31/2024 10:56	WG2294807
Hexachloroethane	U		0.148	3.75	10	05/31/2024 10:56	WG2294807
Indeno(1,2,3-cd)pyrene	0.821		0.106	0.375	10	05/31/2024 10:56	WG2294807
Isophorone	U		0.115	3.75	10	05/31/2024 10:56	WG2294807
Naphthalene	0.101	J	0.0943	0.375	10	05/31/2024 10:56	WG2294807
Nitrobenzene	U		0.131	3.75	10	05/31/2024 10:56	WG2294807
n-Nitrosodimethylamine	U		0.557	3.75	10	05/31/2024 10:56	WG2294807
n-Nitrosodiphenylamine	U		0.284	3.75	10	05/31/2024 10:56	WG2294807
n-Nitrosodi-n-propylamine	U		0.125	3.75	10	05/31/2024 10:56	WG2294807
Phenanthrene	3.13		0.0745	0.375	10	05/31/2024 10:56	WG2294807
Benzylbutyl phthalate	U		0.117	3.75	10	05/31/2024 10:56	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.476	3.75	10	05/31/2024 10:56	WG2294807
Di-n-butyl phthalate	U		0.129	3.75	10	05/31/2024 10:56	WG2294807
Diethyl phthalate	U		0.124	3.75	10	05/31/2024 10:56	WG2294807
Dimethyl phthalate	U		0.796	3.75	10	05/31/2024 10:56	WG2294807
Di-n-octyl phthalate	U		0.254	3.75	10	05/31/2024 10:56	WG2294807
Pyrene	3.46		0.0731	0.375	10	05/31/2024 10:56	WG2294807
1,2,4-Trichlorobenzene	U		0.117	3.75	10	05/31/2024 10:56	WG2294807
4-Chloro-3-methylphenol	U		0.122	3.75	10	05/31/2024 10:56	WG2294807
2-Chlorophenol	U		0.124	3.75	10	05/31/2024 10:56	WG2294807
2,4-Dichlorophenol	U		0.109	3.75	10	05/31/2024 10:56	WG2294807
2,4-Dimethylphenol	U		0.0981	3.75	10	05/31/2024 10:56	WG2294807
4,6-Dinitro-2-methylphenol	U		0.851	3.75	10	05/31/2024 10:56	WG2294807
2,4-Dinitrophenol	U		0.878	3.75	10	05/31/2024 10:56	WG2294807
2-Nitrophenol	U		0.134	3.75	10	05/31/2024 10:56	WG2294807
4-Nitrophenol	U		0.117	3.75	10	05/31/2024 10:56	WG2294807
Pentachlorophenol	U		0.101	3.75	10	05/31/2024 10:56	WG2294807
Phenol	U		0.151	3.75	10	05/31/2024 10:56	WG2294807
2,4,6-Trichlorophenol	U		0.121	3.75	10	05/31/2024 10:56	WG2294807
(S) 2-Fluorophenol	*103*			*12.0-120*		*05/31/2024 10:56*	WG2294807
(S) Phenol-d5	*95.7*			*10.0-120*		*05/31/2024 10:56*	WG2294807
(S) Nitrobenzene-d5	*79.2*			*10.0-122*		*05/31/2024 10:56*	WG2294807
(S) 2-Fluorobiphenyl	*92.7*			*15.0-120*		*05/31/2024 10:56*	WG2294807
(S) 2,4,6-Tribromophenol	*90.2*			*10.0-127*		*05/31/2024 10:56*	WG2294807
(S) p-Terphenyl-d14	*95.4*			*10.0-120*		*05/31/2024 10:56*	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1738627-13 WG2294807: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.9		1	05/22/2024 09:31	WG2290916

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.67	J	1.44	4.33	25	05/23/2024 14:25	WG2291959
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-120*		*05/23/2024 14:25*	WG2291959

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0632	0.0866	1	05/25/2024 23:59	WG2292331
Acrylonitrile	U	J4	0.00625	0.0216	1	05/25/2024 23:59	WG2292331
Benzene	U		0.000809	0.00173	1	05/25/2024 23:59	WG2292331
Bromobenzene	U		0.00156	0.0216	1	05/25/2024 23:59	WG2292331
Bromodichloromethane	U		0.00126	0.00433	1	05/25/2024 23:59	WG2292331
Bromoform	U		0.00203	0.0433	1	05/25/2024 23:59	WG2292331
Bromomethane	U		0.00341	0.0216	1	05/25/2024 23:59	WG2292331
n-Butylbenzene	U		0.00909	0.0216	1	05/25/2024 23:59	WG2292331
sec-Butylbenzene	U		0.00499	0.0216	1	05/25/2024 23:59	WG2292331
tert-Butylbenzene	U		0.00338	0.00866	1	05/25/2024 23:59	WG2292331
Carbon tetrachloride	U		0.00155	0.00866	1	05/25/2024 23:59	WG2292331
Chlorobenzene	U		0.000364	0.00433	1	05/25/2024 23:59	WG2292331
Chlorodibromomethane	U		0.00106	0.00433	1	05/25/2024 23:59	WG2292331
Chloroethane	U		0.00294	0.00866	1	05/25/2024 23:59	WG2292331
Chloroform	U		0.00178	0.00433	1	05/25/2024 23:59	WG2292331
Chloromethane	U		0.00753	0.0216	1	05/25/2024 23:59	WG2292331
2-Chlorotoluene	U		0.00150	0.00433	1	05/25/2024 23:59	WG2292331
4-Chlorotoluene	U		0.000779	0.00866	1	05/25/2024 23:59	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00675	0.0433	1	05/25/2024 23:59	WG2292331
1,2-Dibromoethane	U		0.00112	0.00433	1	05/25/2024 23:59	WG2292331
Dibromomethane	U		0.00130	0.00866	1	05/25/2024 23:59	WG2292331
1,2-Dichlorobenzene	U		0.000736	0.00866	1	05/25/2024 23:59	WG2292331
1,3-Dichlorobenzene	U		0.00104	0.00866	1	05/25/2024 23:59	WG2292331
1,4-Dichlorobenzene	U		0.00121	0.00866	1	05/25/2024 23:59	WG2292331
Dichlorodifluoromethane	U		0.00279	0.00866	1	05/25/2024 23:59	WG2292331
1,1-Dichloroethane	U		0.000850	0.00433	1	05/25/2024 23:59	WG2292331
1,2-Dichloroethane	U		0.00112	0.00433	1	05/25/2024 23:59	WG2292331
1,1-Dichloroethene	U		0.00105	0.00433	1	05/25/2024 23:59	WG2292331
cis-1,2-Dichloroethene	U		0.00127	0.00433	1	05/25/2024 23:59	WG2292331
trans-1,2-Dichloroethene	U		0.00180	0.00866	1	05/25/2024 23:59	WG2292331
1,2-Dichloropropane	U		0.00246	0.00866	1	05/25/2024 23:59	WG2292331
1,1-Dichloropropene	U		0.00140	0.00433	1	05/25/2024 23:59	WG2292331
1,3-Dichloropropane	U		0.000867	0.00866	1	05/25/2024 23:59	WG2292331
cis-1,3-Dichloropropene	U		0.00131	0.00433	1	05/25/2024 23:59	WG2292331
trans-1,3-Dichloropropene	U		0.00197	0.00866	1	05/25/2024 23:59	WG2292331
2,2-Dichloropropane	U		0.00239	0.00433	1	05/25/2024 23:59	WG2292331
Di-isopropyl ether	U		0.000710	0.00173	1	05/25/2024 23:59	WG2292331
Ethylbenzene	U		0.00128	0.00433	1	05/25/2024 23:59	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.0104	0.0433	1	05/25/2024 23:59	WG2292331
Isopropylbenzene	U		0.000736	0.00433	1	05/25/2024 23:59	WG2292331
p-Isopropyltoluene	U		0.00442	0.00866	1	05/25/2024 23:59	WG2292331
2-Butanone (MEK)	U	J4	0.110	0.173	1	05/25/2024 23:59	WG2292331
Methylene Chloride	U		0.0115	0.0433	1	05/25/2024 23:59	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00395	0.0433	1	05/25/2024 23:59	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000606	0.00173	1	05/25/2024 23:59	WG2292331
Naphthalene	U		0.00845	0.0216	1	05/25/2024 23:59	WG2292331
n-Propylbenzene	U		0.00164	0.00866	1	05/25/2024 23:59	WG2292331
Styrene	U		0.000397	0.0216	1	05/25/2024 23:59	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00164	0.00433	1	05/25/2024 23:59	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00120	0.00433	1	05/25/2024 23:59	WG2292331
1,1,2-Trichlorotrifluoroethane	U		0.00131	0.00433	1	05/25/2024 23:59	WG2292331
Tetrachloroethene	U		0.00155	0.00433	1	05/25/2024 23:59	WG2292331
Toluene	0.00762	J	0.00225	0.00866	1	05/25/2024 23:59	WG2292331
1,2,3-Trichlorobenzene	U		0.0127	0.0216	1	05/25/2024 23:59	WG2292331
1,2,4-Trichlorobenzene	U		0.00762	0.0216	1	05/25/2024 23:59	WG2292331
1,1,1-Trichloroethane	U		0.00160	0.00433	1	05/25/2024 23:59	WG2292331
1,1,2-Trichloroethane	U		0.00103	0.00433	1	05/25/2024 23:59	WG2292331
Trichloroethene	U		0.00101	0.00173	1	05/27/2024 09:39	WG2293785
Trichlorofluoromethane	U		0.00143	0.00433	1	05/25/2024 23:59	WG2292331
1,2,3-Trichloropropane	U		0.00281	0.0216	1	05/25/2024 23:59	WG2292331
1,2,4-Trimethylbenzene	U		0.00274	0.00866	1	05/25/2024 23:59	WG2292331
1,2,3-Trimethylbenzene	U		0.00274	0.00866	1	05/25/2024 23:59	WG2292331
1,3,5-Trimethylbenzene	U		0.00346	0.00866	1	05/25/2024 23:59	WG2292331
Vinyl chloride	U		0.00201	0.00433	1	05/25/2024 23:59	WG2292331
Xylenes, Total	U		0.00152	0.0113	1	05/25/2024 23:59	WG2292331
(S) Toluene-d8	*102*			*75.0-131*		*05/25/2024 23:59*	WG2292331
(S) Toluene-d8	*105*			*75.0-131*		*05/27/2024 09:39*	WG2293785
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/25/2024 23:59*	WG2292331
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/27/2024 09:39*	WG2293785
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/25/2024 23:59*	WG2292331
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*05/27/2024 09:39*	WG2293785

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.91	J	0.979	5.34	1	05/24/2024 20:51	WG2292509
C22-C32 Hydrocarbons	8.16		1.78	5.34	1	05/24/2024 20:51	WG2292509
C32-C40 Hydrocarbons	8.82		1.78	5.34	1	05/24/2024 20:51	WG2292509
(S) o-Terphenyl	*56.7*			*18.0-148*		*05/24/2024 20:51*	WG2292509

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	05/22/2024 09:31	WG2290916

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0530	0.0726	1	05/26/2024 00:18	WG2292331
Acrylonitrile	U	J4	0.00524	0.0182	1	05/26/2024 00:18	WG2292331
Benzene	U		0.000678	0.00145	1	05/26/2024 00:18	WG2292331
Bromobenzene	U		0.00131	0.0182	1	05/26/2024 00:18	WG2292331
Bromodichloromethane	U		0.00105	0.00363	1	05/26/2024 00:18	WG2292331
Bromoform	U		0.00170	0.0363	1	05/26/2024 00:18	WG2292331
Bromomethane	U		0.00286	0.0182	1	05/26/2024 00:18	WG2292331
n-Butylbenzene	U		0.00762	0.0182	1	05/26/2024 00:18	WG2292331
sec-Butylbenzene	U		0.00418	0.0182	1	05/26/2024 00:18	WG2292331
tert-Butylbenzene	U		0.00283	0.00726	1	05/26/2024 00:18	WG2292331
Carbon tetrachloride	U		0.00130	0.00726	1	05/26/2024 00:18	WG2292331
Chlorobenzene	U		0.000305	0.00363	1	05/26/2024 00:18	WG2292331
Chlorodibromomethane	U		0.000889	0.00363	1	05/26/2024 00:18	WG2292331
Chloroethane	U		0.00247	0.00726	1	05/26/2024 00:18	WG2292331
Chloroform	U		0.00150	0.00363	1	05/26/2024 00:18	WG2292331
Chloromethane	U		0.00632	0.0182	1	05/26/2024 00:18	WG2292331
2-Chlorotoluene	U		0.00126	0.00363	1	05/26/2024 00:18	WG2292331
4-Chlorotoluene	U		0.000653	0.00726	1	05/26/2024 00:18	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0363	1	05/26/2024 00:18	WG2292331
1,2-Dibromoethane	U		0.000941	0.00363	1	05/26/2024 00:18	WG2292331
Dibromomethane	U		0.00109	0.00726	1	05/26/2024 00:18	WG2292331
1,2-Dichlorobenzene	U		0.000617	0.00726	1	05/26/2024 00:18	WG2292331
1,3-Dichlorobenzene	U		0.000871	0.00726	1	05/26/2024 00:18	WG2292331
1,4-Dichlorobenzene	U		0.00102	0.00726	1	05/26/2024 00:18	WG2292331
Dichlorodifluoromethane	U		0.00234	0.00726	1	05/26/2024 00:18	WG2292331
1,1-Dichloroethane	U		0.000713	0.00363	1	05/26/2024 00:18	WG2292331
1,2-Dichloroethane	U		0.000942	0.00363	1	05/26/2024 00:18	WG2292331
1,1-Dichloroethene	U		0.000880	0.00363	1	05/26/2024 00:18	WG2292331
cis-1,2-Dichloroethene	U		0.00107	0.00363	1	05/26/2024 00:18	WG2292331
trans-1,2-Dichloroethene	U		0.00151	0.00726	1	05/26/2024 00:18	WG2292331
1,2-Dichloropropane	U		0.00206	0.00726	1	05/26/2024 00:18	WG2292331
1,1-Dichloropropene	U		0.00117	0.00363	1	05/26/2024 00:18	WG2292331
1,3-Dichloropropane	U		0.000728	0.00726	1	05/26/2024 00:18	WG2292331
cis-1,3-Dichloropropene	U		0.00110	0.00363	1	05/26/2024 00:18	WG2292331
trans-1,3-Dichloropropene	U		0.00166	0.00726	1	05/26/2024 00:18	WG2292331
2,2-Dichloropropane	U		0.00200	0.00363	1	05/26/2024 00:18	WG2292331
Di-isopropyl ether	U		0.000595	0.00145	1	05/26/2024 00:18	WG2292331
Ethylbenzene	U		0.00107	0.00363	1	05/26/2024 00:18	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.00871	0.0363	1	05/26/2024 00:18	WG2292331
Isopropylbenzene	U		0.000617	0.00363	1	05/26/2024 00:18	WG2292331
p-Isopropyltoluene	U		0.00370	0.00726	1	05/26/2024 00:18	WG2292331
2-Butanone (MEK)	U	J4	0.0922	0.145	1	05/26/2024 00:18	WG2292331
Methylene Chloride	U		0.00964	0.0363	1	05/26/2024 00:18	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00331	0.0363	1	05/26/2024 00:18	WG2292331
Methyl tert-butyl ether	U		0.000508	0.00145	1	05/26/2024 00:18	WG2292331
Naphthalene	U		0.00709	0.0182	1	05/26/2024 00:18	WG2292331
n-Propylbenzene	U		0.00138	0.00726	1	05/26/2024 00:18	WG2292331
Styrene	U		0.000333	0.0182	1	05/26/2024 00:18	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00138	0.00363	1	05/26/2024 00:18	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00101	0.00363	1	05/26/2024 00:18	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00363	1	05/26/2024 00:18	WG2292331
Tetrachloroethene	U		0.00130	0.00363	1	05/26/2024 00:18	WG2292331
Toluene	U		0.00189	0.00726	1	05/26/2024 00:18	WG2292331
1,2,3-Trichlorobenzene	U		0.0106	0.0182	1	05/26/2024 00:18	WG2292331
1,2,4-Trichlorobenzene	U		0.00639	0.0182	1	05/26/2024 00:18	WG2292331
1,1,1-Trichloroethane	U		0.00134	0.00363	1	05/26/2024 00:18	WG2292331
1,1,2-Trichloroethane	U		0.000867	0.00363	1	05/26/2024 00:18	WG2292331
Trichloroethene	U		0.000848	0.00145	1	05/27/2024 09:58	WG2293785
Trichlorofluoromethane	U		0.00120	0.00363	1	05/26/2024 00:18	WG2292331
1,2,3-Trichloropropane	U		0.00235	0.0182	1	05/26/2024 00:18	WG2292331
1,2,4-Trimethylbenzene	U		0.00229	0.00726	1	05/26/2024 00:18	WG2292331
1,2,3-Trimethylbenzene	U		0.00229	0.00726	1	05/26/2024 00:18	WG2292331
1,3,5-Trimethylbenzene	U		0.00290	0.00726	1	05/26/2024 00:18	WG2292331
Vinyl chloride	U		0.00168	0.00363	1	05/26/2024 00:18	WG2292331
Xylenes, Total	U		0.00128	0.00944	1	05/26/2024 00:18	WG2292331
(S) Toluene-d8	*102*			*75.0-131*		*05/26/2024 00:18*	WG2292331
(S) Toluene-d8	*109*			*75.0-131*		*05/27/2024 09:58*	WG2293785
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/26/2024 00:18*	WG2292331
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*05/27/2024 09:58*	WG2293785
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*05/26/2024 00:18*	WG2292331
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*05/27/2024 09:58*	WG2293785

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.473		0.0198	0.0439	1	05/23/2024 10:42	WG2290825

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	12.7		2.99	11.0	5	05/26/2024 20:15	WG2291334
Arsenic	19.0		2.84	11.0	5	05/26/2024 20:15	WG2291334
Barium	799		0.468	2.75	5	05/26/2024 20:15	WG2291334
Beryllium	0.294	J	0.174	1.10	5	05/26/2024 20:15	WG2291334
Cadmium	47.1		0.259	2.75	5	05/26/2024 20:15	WG2291334
Chromium	61.1		0.730	5.49	5	05/26/2024 20:15	WG2291334
Cobalt	20.0		0.446	5.49	5	05/26/2024 20:15	WG2291334
Copper	1030		2.20	11.0	5	05/26/2024 20:15	WG2291334
Lead	1220		1.14	2.75	5	05/26/2024 20:15	WG2291334
Molybdenum	8.05		0.599	2.75	5	05/26/2024 20:15	WG2291334
Nickel	103		0.725	11.0	5	05/26/2024 20:15	WG2291334
Selenium	U		4.20	11.0	5	05/26/2024 20:15	WG2291334
Silver	U		0.697	5.49	5	05/26/2024 20:15	WG2291334
Thallium	5.69	J	2.16	11.0	5	05/26/2024 20:15	WG2291334
Vanadium	61.9		2.78	11.0	5	05/26/2024 20:15	WG2291334
Zinc	3250		4.57	27.5	5	05/26/2024 20:15	WG2291334

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0130	0.0373	1	05/22/2024 15:39	WG2291058
PCB 1221	U		0.0130	0.0373	1	05/22/2024 15:39	WG2291058
PCB 1232	U		0.0130	0.0373	1	05/22/2024 15:39	WG2291058
PCB 1242	U		0.0130	0.0373	1	05/22/2024 15:39	WG2291058
PCB 1248	U		0.00810	0.0187	1	05/22/2024 15:39	WG2291058
PCB 1254	U		0.00810	0.0187	1	05/22/2024 15:39	WG2291058
PCB 1260	0.255		0.00810	0.0187	1	05/22/2024 15:39	WG2291058
(S) Decachlorobiphenyl	*83.6*			*10.0-135*		*05/22/2024 15:39*	WG2291058
(S) Tetrachloro-m-xylene	*79.9*			*10.0-139*		*05/22/2024 15:39*	WG2291058

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0119	0.0731	2	05/31/2024 00:46	WG2294807
Acenaphthylene	0.0374	J	0.0103	0.0731	2	05/31/2024 00:46	WG2294807
Anthracene	0.0437	J	0.0131	0.0731	2	05/31/2024 00:46	WG2294807
Benzidine	U		0.137	3.67	2	05/31/2024 00:46	WG2294807
Benzo(a)anthracene	0.133		0.0128	0.0731	2	05/31/2024 00:46	WG2294807
Benzo(b)fluoranthene	0.203		0.0136	0.0731	2	05/31/2024 00:46	WG2294807
Benzo(k)fluoranthene	0.0614	J	0.0130	0.0731	2	05/31/2024 00:46	WG2294807
Benzo(g,h,i)perylene	0.131		0.0134	0.0731	2	05/31/2024 00:46	WG2294807
Benzo(a)pyrene	0.154		0.0136	0.0731	2	05/31/2024 00:46	WG2294807
Bis(2-chlorethoxy)methane	U		0.0220	0.731	2	05/31/2024 00:46	WG2294807
Bis(2-chloroethyl)ether	U		0.0242	0.731	2	05/31/2024 00:46	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0316	0.731	2	05/31/2024 00:46	WG2294807
4-Bromophenyl-phenylether	U		0.0257	0.731	2	05/31/2024 00:46	WG2294807
2-Chloronaphthalene	U		0.0128	0.0731	2	05/31/2024 00:46	WG2294807
4-Chlorophenyl-phenylether	U		0.0255	0.731	2	05/31/2024 00:46	WG2294807
Chrysene	0.170		0.0145	0.0731	2	05/31/2024 00:46	WG2294807
Dibenz(a,h)anthracene	0.0269	J	0.0203	0.0731	2	05/31/2024 00:46	WG2294807
1,2-Dichlorobenzene	U		0.0216	0.731	2	05/31/2024 00:46	WG2294807
1,3-Dichlorobenzene	U		0.0222	0.731	2	05/31/2024 00:46	WG2294807
1,4-Dichlorobenzene	U		0.0217	0.731	2	05/31/2024 00:46	WG2294807
3,3-Dichlorobenzidine	U		0.0270	0.731	2	05/31/2024 00:46	WG2294807
2,4-Dinitrotoluene	U		0.0210	0.731	2	05/31/2024 00:46	WG2294807
2,6-Dinitrotoluene	U		0.0239	0.731	2	05/31/2024 00:46	WG2294807
Fluoranthene	0.286		0.0132	0.0731	2	05/31/2024 00:46	WG2294807
Fluorene	0.0226	J	0.0119	0.0731	2	05/31/2024 00:46	WG2294807
Hexachlorobenzene	U		0.0259	0.731	2	05/31/2024 00:46	WG2294807
Hexachloro-1,3-butadiene	U		0.0246	0.731	2	05/31/2024 00:46	WG2294807
Hexachlorocyclopentadiene	U		0.0384	0.731	2	05/31/2024 00:46	WG2294807
Hexachloroethane	U		0.0288	0.731	2	05/31/2024 00:46	WG2294807
Indeno(1,2,3-cd)pyrene	0.139		0.0206	0.0731	2	05/31/2024 00:46	WG2294807
Isophorone	U		0.0224	0.731	2	05/31/2024 00:46	WG2294807
Naphthalene	0.0881		0.0183	0.0731	2	05/31/2024 00:46	WG2294807
Nitrobenzene	U		0.0255	0.731	2	05/31/2024 00:46	WG2294807
n-Nitrosodimethylamine	U		0.109	0.731	2	05/31/2024 00:46	WG2294807
n-Nitrosodiphenylamine	U		0.0554	0.731	2	05/31/2024 00:46	WG2294807
n-Nitrosodi-n-propylamine	U		0.0244	0.731	2	05/31/2024 00:46	WG2294807
Phenanthrene	0.290		0.0145	0.0731	2	05/31/2024 00:46	WG2294807
Benzylbutyl phthalate	U		0.0228	0.731	2	05/31/2024 00:46	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0927	0.731	2	05/31/2024 00:46	WG2294807
Di-n-butyl phthalate	0.304	J	0.0250	0.731	2	05/31/2024 00:46	WG2294807
Diethyl phthalate	U		0.0242	0.731	2	05/31/2024 00:46	WG2294807
Dimethyl phthalate	U		0.155	0.731	2	05/31/2024 00:46	WG2294807
Di-n-octyl phthalate	U		0.0494	0.731	2	05/31/2024 00:46	WG2294807
Pyrene	0.297		0.0143	0.0731	2	05/31/2024 00:46	WG2294807
1,2,4-Trichlorobenzene	U		0.0228	0.731	2	05/31/2024 00:46	WG2294807
4-Chloro-3-methylphenol	U		0.0237	0.731	2	05/31/2024 00:46	WG2294807
2-Chlorophenol	U		0.0242	0.731	2	05/31/2024 00:46	WG2294807
2,4-Dichlorophenol	U		0.0213	0.731	2	05/31/2024 00:46	WG2294807
2,4-Dimethylphenol	U		0.0191	0.731	2	05/31/2024 00:46	WG2294807
4,6-Dinitro-2-methylphenol	U		0.166	0.731	2	05/31/2024 00:46	WG2294807
2,4-Dinitrophenol	U		0.171	0.731	2	05/31/2024 00:46	WG2294807
2-Nitrophenol	U		0.0261	0.731	2	05/31/2024 00:46	WG2294807
4-Nitrophenol	U		0.0228	0.731	2	05/31/2024 00:46	WG2294807
Pentachlorophenol	U		0.0197	0.731	2	05/31/2024 00:46	WG2294807
Phenol	U		0.0294	0.731	2	05/31/2024 00:46	WG2294807
2,4,6-Trichlorophenol	U		0.0235	0.731	2	05/31/2024 00:46	WG2294807
(S) 2-Fluorophenol	*88.1*			*12.0-120*		*05/31/2024 00:46*	WG2294807
(S) Phenol-d5	*84.3*			*10.0-120*		*05/31/2024 00:46*	WG2294807
(S) Nitrobenzene-d5	*70.1*			*10.0-122*		*05/31/2024 00:46*	WG2294807
(S) 2-Fluorobiphenyl	*82.0*			*15.0-120*		*05/31/2024 00:46*	WG2294807
(S) 2,4,6-Tribromophenol	*84.8*			*10.0-127*		*05/31/2024 00:46*	WG2294807
(S) p-Terphenyl-d14	*92.1*			*10.0-120*		*05/31/2024 00:46*	WG2294807

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.160		0.0206	0.0458	1	05/23/2024 10:45	WG2290825

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.705	J	0.622	2.29	1	05/26/2024 20:10	WG2291334
Arsenic	7.17		0.593	2.29	1	05/26/2024 20:10	WG2291334
Barium	121		0.0975	0.572	1	05/26/2024 20:10	WG2291334
Beryllium	0.136	J	0.0360	0.229	1	05/26/2024 20:10	WG2291334
Cadmium	14.7		0.0539	0.572	1	05/26/2024 20:10	WG2291334
Chromium	17.2		0.152	1.14	1	05/26/2024 20:10	WG2291334
Cobalt	8.30		0.0928	1.14	1	05/26/2024 20:10	WG2291334
Copper	60.6		0.458	2.29	1	05/26/2024 20:10	WG2291334
Lead	67.1		0.238	0.572	1	05/26/2024 20:10	WG2291334
Molybdenum	0.523	B J	0.125	0.572	1	05/26/2024 20:10	WG2291334
Nickel	22.1		0.151	2.29	1	05/26/2024 20:10	WG2291334
Selenium	U		0.874	2.29	1	05/26/2024 20:10	WG2291334
Silver	U		0.145	1.14	1	05/26/2024 20:10	WG2291334
Thallium	2.27	J	0.451	2.29	1	05/26/2024 20:10	WG2291334
Vanadium	72.1		0.579	2.29	1	05/26/2024 20:10	WG2291334
Zinc	212		0.952	5.72	1	05/26/2024 20:10	WG2291334

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0600	0.0822	1.31	05/26/2024 00:37	WG2292331
Acrylonitrile	U	J4	0.00593	0.0206	1.31	05/26/2024 00:37	WG2292331
Benzene	U		0.000768	0.00164	1.31	05/26/2024 00:37	WG2292331
Bromobenzene	U		0.00148	0.0206	1.31	05/26/2024 00:37	WG2292331
Bromodichloromethane	U		0.00119	0.00411	1.31	05/26/2024 00:37	WG2292331
Bromoform	U		0.00192	0.0411	1.31	05/26/2024 00:37	WG2292331
Bromomethane	U		0.00324	0.0206	1.31	05/26/2024 00:37	WG2292331
n-Butylbenzene	U		0.00863	0.0206	1.31	05/26/2024 00:37	WG2292331
sec-Butylbenzene	U		0.00473	0.0206	1.31	05/26/2024 00:37	WG2292331
tert-Butylbenzene	U		0.00320	0.00822	1.31	05/26/2024 00:37	WG2292331
Carbon tetrachloride	U		0.00148	0.00822	1.31	05/26/2024 00:37	WG2292331
Chlorobenzene	0.000493	J	0.000345	0.00411	1.31	05/26/2024 00:37	WG2292331
Chlorodibromomethane	U		0.00101	0.00411	1.31	05/26/2024 00:37	WG2292331
Chloroethane	U		0.00280	0.00822	1.31	05/26/2024 00:37	WG2292331
Chloroform	U		0.00169	0.00411	1.31	05/26/2024 00:37	WG2292331
Chloromethane	U		0.00715	0.0206	1.31	05/26/2024 00:37	WG2292331
2-Chlorotoluene	U		0.00142	0.00411	1.31	05/26/2024 00:37	WG2292331
4-Chlorotoluene	U		0.000740	0.00822	1.31	05/26/2024 00:37	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00641	0.0411	1.31	05/26/2024 00:37	WG2292331
1,2-Dibromoethane	U		0.00106	0.00411	1.31	05/26/2024 00:37	WG2292331
Dibromomethane	U		0.00123	0.00822	1.31	05/26/2024 00:37	WG2292331
1,2-Dichlorobenzene	U		0.000699	0.00822	1.31	05/26/2024 00:37	WG2292331
1,3-Dichlorobenzene	U		0.000986	0.00822	1.31	05/26/2024 00:37	WG2292331
1,4-Dichlorobenzene	U		0.00115	0.00822	1.31	05/26/2024 00:37	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00265	0.00822	1.31	05/26/2024 00:37	WG2292331
1,1-Dichloroethane	U		0.000807	0.00411	1.31	05/26/2024 00:37	WG2292331
1,2-Dichloroethane	U		0.00107	0.00411	1.31	05/26/2024 00:37	WG2292331
1,1-Dichloroethene	U		0.000996	0.00411	1.31	05/26/2024 00:37	WG2292331
cis-1,2-Dichloroethene	U		0.00121	0.00411	1.31	05/26/2024 00:37	WG2292331
trans-1,2-Dichloroethene	U		0.00171	0.00822	1.31	05/26/2024 00:37	WG2292331
1,2-Dichloropropane	U		0.00233	0.00822	1.31	05/26/2024 00:37	WG2292331
1,1-Dichloropropene	U		0.00133	0.00411	1.31	05/26/2024 00:37	WG2292331
1,3-Dichloropropane	U		0.000823	0.00822	1.31	05/26/2024 00:37	WG2292331
cis-1,3-Dichloropropene	U		0.00124	0.00411	1.31	05/26/2024 00:37	WG2292331
trans-1,3-Dichloropropene	U		0.00187	0.00822	1.31	05/26/2024 00:37	WG2292331
2,2-Dichloropropane	U		0.00227	0.00411	1.31	05/26/2024 00:37	WG2292331
Di-isopropyl ether	U		0.000674	0.00164	1.31	05/26/2024 00:37	WG2292331
Ethylbenzene	U		0.00121	0.00411	1.31	05/26/2024 00:37	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.00986	0.0411	1.31	05/26/2024 00:37	WG2292331
Isopropylbenzene	U		0.000699	0.00411	1.31	05/26/2024 00:37	WG2292331
p-Isopropyltoluene	U		0.00419	0.00822	1.31	05/26/2024 00:37	WG2292331
2-Butanone (MEK)	U	J4	0.104	0.164	1.31	05/26/2024 00:37	WG2292331
Methylene Chloride	U		0.0109	0.0411	1.31	05/26/2024 00:37	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00375	0.0411	1.31	05/26/2024 00:37	WG2292331
Methyl tert-butyl ether	U		0.000576	0.00164	1.31	05/26/2024 00:37	WG2292331
Naphthalene	U		0.00802	0.0206	1.31	05/26/2024 00:37	WG2292331
n-Propylbenzene	U		0.00156	0.00822	1.31	05/26/2024 00:37	WG2292331
Styrene	U		0.000376	0.0206	1.31	05/26/2024 00:37	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00156	0.00411	1.31	05/26/2024 00:37	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00114	0.00411	1.31	05/26/2024 00:37	WG2292331
1,1,2-Trichlorotrifluoroethane	U		0.00124	0.00411	1.31	05/26/2024 00:37	WG2292331
Tetrachloroethene	U		0.00147	0.00411	1.31	05/26/2024 00:37	WG2292331
Toluene	U		0.00213	0.00822	1.31	05/26/2024 00:37	WG2292331
1,2,3-Trichlorobenzene	U		0.0120	0.0206	1.31	05/26/2024 00:37	WG2292331
1,2,4-Trichlorobenzene	U		0.00722	0.0206	1.31	05/26/2024 00:37	WG2292331
1,1,1-Trichloroethane	U		0.00152	0.00411	1.31	05/26/2024 00:37	WG2292331
1,1,2-Trichloroethane	U		0.000981	0.00411	1.31	05/26/2024 00:37	WG2292331
Trichloroethene	U		0.000960	0.00164	1.31	05/27/2024 10:18	WG2293785
Trichlorofluoromethane	U		0.00135	0.00411	1.31	05/26/2024 00:37	WG2292331
1,2,3-Trichloropropane	U		0.00266	0.0206	1.31	05/26/2024 00:37	WG2292331
1,2,4-Trimethylbenzene	U		0.00260	0.00822	1.31	05/26/2024 00:37	WG2292331
1,2,3-Trimethylbenzene	U		0.00260	0.00822	1.31	05/26/2024 00:37	WG2292331
1,3,5-Trimethylbenzene	U		0.00329	0.00822	1.31	05/26/2024 00:37	WG2292331
Vinyl chloride	U		0.00191	0.00411	1.31	05/26/2024 00:37	WG2292331
Xylenes, Total	U		0.00144	0.0107	1.31	05/26/2024 00:37	WG2292331
(S) Toluene-d8	*101*			*75.0-131*		*05/26/2024 00:37*	WG2292331
(S) Toluene-d8	*109*			*75.0-131*		*05/27/2024 10:18*	WG2293785
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/26/2024 00:37*	WG2292331
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*05/27/2024 10:18*	WG2293785
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*05/26/2024 00:37*	WG2292331
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*05/27/2024 10:18*	WG2293785

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0270	0.0778	2	07/02/2024 18:28	WG2315705
PCB 1221	U		0.0270	0.0778	2	07/02/2024 18:28	WG2315705
PCB 1232	U		0.0270	0.0778	2	07/02/2024 18:28	WG2315705
PCB 1242	U		0.0270	0.0778	2	07/02/2024 18:28	WG2315705
PCB 1248	U		0.0169	0.0389	2	07/02/2024 18:28	WG2315705

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	U		0.0169	0.0389	2	07/02/2024 18:28	WG2315705
PCB 1260	U		0.0169	0.0389	2	07/02/2024 18:28	WG2315705
(S) Decachlorobiphenyl	*47.4*			*10.0-135*		*07/02/2024 18:28*	WG2315705
(S) Tetrachloro-m-xylene	*54.0*			*10.0-139*		*07/02/2024 18:28*	WG2315705

Sample Narrative:

L1738627-19 WG2315705: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0124	0.0762	2	05/30/2024 23:33	WG2294807
Acenaphthylene	U		0.0107	0.0762	2	05/30/2024 23:33	WG2294807
Anthracene	U		0.0136	0.0762	2	05/30/2024 23:33	WG2294807
Benzidine	U		0.143	3.82	2	05/30/2024 23:33	WG2294807
Benzo(a)anthracene	U		0.0134	0.0762	2	05/30/2024 23:33	WG2294807
Benzo(b)fluoranthene	0.0204	J	0.0142	0.0762	2	05/30/2024 23:33	WG2294807
Benzo(k)fluoranthene	U		0.0135	0.0762	2	05/30/2024 23:33	WG2294807
Benzo(g,h,i)perylene	U		0.0140	0.0762	2	05/30/2024 23:33	WG2294807
Benzo(a)pyrene	U		0.0142	0.0762	2	05/30/2024 23:33	WG2294807
Bis(2-chlorethoxy)methane	U		0.0229	0.762	2	05/30/2024 23:33	WG2294807
Bis(2-chloroethyl)ether	U		0.0252	0.762	2	05/30/2024 23:33	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0330	0.762	2	05/30/2024 23:33	WG2294807
4-Bromophenyl-phenylether	U		0.0268	0.762	2	05/30/2024 23:33	WG2294807
2-Chloronaphthalene	U		0.0134	0.0762	2	05/30/2024 23:33	WG2294807
4-Chlorophenyl-phenylether	U		0.0265	0.762	2	05/30/2024 23:33	WG2294807
Chrysene	U		0.0151	0.0762	2	05/30/2024 23:33	WG2294807
Dibenz(a,h)anthracene	U		0.0212	0.0762	2	05/30/2024 23:33	WG2294807
1,2-Dichlorobenzene	U		0.0225	0.762	2	05/30/2024 23:33	WG2294807
1,3-Dichlorobenzene	U		0.0231	0.762	2	05/30/2024 23:33	WG2294807
1,4-Dichlorobenzene	U		0.0227	0.762	2	05/30/2024 23:33	WG2294807
3,3-Dichlorobenzidine	U		0.0281	0.762	2	05/30/2024 23:33	WG2294807
2,4-Dinitrotoluene	U		0.0219	0.762	2	05/30/2024 23:33	WG2294807
2,6-Dinitrotoluene	U		0.0249	0.762	2	05/30/2024 23:33	WG2294807
Fluoranthene	0.0294	J	0.0137	0.0762	2	05/30/2024 23:33	WG2294807
Fluorene	U		0.0124	0.0762	2	05/30/2024 23:33	WG2294807
Hexachlorobenzene	U		0.0270	0.762	2	05/30/2024 23:33	WG2294807
Hexachloro-1,3-butadiene	U		0.0256	0.762	2	05/30/2024 23:33	WG2294807
Hexachlorocyclopentadiene	U		0.0400	0.762	2	05/30/2024 23:33	WG2294807
Hexachloroethane	U		0.0300	0.762	2	05/30/2024 23:33	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.0215	0.0762	2	05/30/2024 23:33	WG2294807
Isophorone	U		0.0233	0.762	2	05/30/2024 23:33	WG2294807
Naphthalene	U		0.0191	0.0762	2	05/30/2024 23:33	WG2294807
Nitrobenzene	U		0.0265	0.762	2	05/30/2024 23:33	WG2294807
n-Nitrosodimethylamine	U		0.113	0.762	2	05/30/2024 23:33	WG2294807
n-Nitrosodiphenylamine	U		0.0577	0.762	2	05/30/2024 23:33	WG2294807
n-Nitrosodi-n-propylamine	U		0.0254	0.762	2	05/30/2024 23:33	WG2294807
Phenanthrene	0.0205	J	0.0151	0.0762	2	05/30/2024 23:33	WG2294807
Benzylbutyl phthalate	U		0.0238	0.762	2	05/30/2024 23:33	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0966	0.762	2	05/30/2024 23:33	WG2294807
Di-n-butyl phthalate	U		0.0261	0.762	2	05/30/2024 23:33	WG2294807
Diethyl phthalate	U		0.0252	0.762	2	05/30/2024 23:33	WG2294807
Dimethyl phthalate	U		0.161	0.762	2	05/30/2024 23:33	WG2294807
Di-n-octyl phthalate	U		0.0515	0.762	2	05/30/2024 23:33	WG2294807
Pyrene	0.0267	J	0.0149	0.0762	2	05/30/2024 23:33	WG2294807
1,2,4-Trichlorobenzene	U		0.0238	0.762	2	05/30/2024 23:33	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0247	0.762	2	05/30/2024 23:33	WG2294807
2-Chlorophenol	U		0.0252	0.762	2	05/30/2024 23:33	WG2294807
2,4-Dichlorophenol	U		0.0222	0.762	2	05/30/2024 23:33	WG2294807
2,4-Dimethylphenol	U		0.0199	0.762	2	05/30/2024 23:33	WG2294807
4,6-Dinitro-2-methylphenol	U		0.173	0.762	2	05/30/2024 23:33	WG2294807
2,4-Dinitrophenol	U		0.179	0.762	2	05/30/2024 23:33	WG2294807
2-Nitrophenol	U		0.0272	0.762	2	05/30/2024 23:33	WG2294807
4-Nitrophenol	U		0.0238	0.762	2	05/30/2024 23:33	WG2294807
Pentachlorophenol	U		0.0205	0.762	2	05/30/2024 23:33	WG2294807
Phenol	U		0.0307	0.762	2	05/30/2024 23:33	WG2294807
2,4,6-Trichlorophenol	U		0.0245	0.762	2	05/30/2024 23:33	WG2294807
(S) 2-Fluorophenol	*78.5*			*12.0-120*		*05/30/2024 23:33*	WG2294807
(S) Phenol-d5	*74.1*			*10.0-120*		*05/30/2024 23:33*	WG2294807
(S) Nitrobenzene-d5	*59.5*			*10.0-122*		*05/30/2024 23:33*	WG2294807
(S) 2-Fluorobiphenyl	*76.5*			*15.0-120*		*05/30/2024 23:33*	WG2294807
(S) 2,4,6-Tribromophenol	*91.9*			*10.0-127*		*05/30/2024 23:33*	WG2294807
(S) p-Terphenyl-d14	*97.0*			*10.0-120*		*05/30/2024 23:33*	WG2294807

Sample Narrative:

L1738627-19 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0997		0.0213	0.0474	1	05/23/2024 10:52	WG2290825

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.645	2.37	1	05/26/2024 20:12	WG2291334
Arsenic	2.61		0.614	2.37	1	05/26/2024 20:12	WG2291334
Barium	185		0.101	0.593	1	05/26/2024 20:12	WG2291334
Beryllium	0.342		0.0373	0.237	1	05/26/2024 20:12	WG2291334
Cadmium	U		0.0558	0.593	1	05/26/2024 20:12	WG2291334
Chromium	80.8		0.158	1.19	1	05/26/2024 20:12	WG2291334
Cobalt	12.9		0.0961	1.19	1	05/26/2024 20:12	WG2291334
Copper	36.8		0.474	2.37	1	05/26/2024 20:12	WG2291334
Lead	49.8		0.247	0.593	1	05/26/2024 20:12	WG2291334
Molybdenum	0.250	B J	0.129	0.593	1	05/26/2024 20:12	WG2291334
Nickel	52.1		0.156	2.37	1	05/26/2024 20:12	WG2291334
Selenium	U		0.906	2.37	1	05/26/2024 20:12	WG2291334
Silver	U		0.151	1.19	1	05/26/2024 20:12	WG2291334
Thallium	1.74	J	0.467	2.37	1	05/26/2024 20:12	WG2291334
Vanadium	71.8		0.600	2.37	1	05/26/2024 20:12	WG2291334
Zinc	51.7		0.986	5.93	1	05/26/2024 20:12	WG2291334

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.28	J	1.19	3.57	25	05/23/2024 14:44	WG2291959
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*05/23/2024 14:44*	WG2291959

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0521	0.0714	1	05/28/2024 00:52	WG2293465
Acrylonitrile	U		0.00515	0.0178	1	05/28/2024 00:52	WG2293465
Benzene	U		0.000667	0.00143	1	05/28/2024 00:52	WG2293465
Bromobenzene	U		0.00129	0.0178	1	05/28/2024 00:52	WG2293465
Bromodichloromethane	U		0.00104	0.00357	1	05/28/2024 00:52	WG2293465
Bromoform	U		0.00167	0.0357	1	05/28/2024 00:52	WG2293465
Bromomethane	U		0.00281	0.0178	1	05/28/2024 00:52	WG2293465
n-Butylbenzene	U		0.00750	0.0178	1	05/28/2024 00:52	WG2293465
sec-Butylbenzene	U		0.00411	0.0178	1	05/28/2024 00:52	WG2293465
tert-Butylbenzene	U		0.00278	0.00714	1	05/28/2024 00:52	WG2293465
Carbon tetrachloride	U		0.00128	0.00714	1	05/28/2024 00:52	WG2293465
Chlorobenzene	U		0.000300	0.00357	1	05/28/2024 00:52	WG2293465
Chlorodibromomethane	U		0.000874	0.00357	1	05/28/2024 00:52	WG2293465
Chloroethane	U		0.00243	0.00714	1	05/28/2024 00:52	WG2293465
Chloroform	U		0.00147	0.00357	1	05/28/2024 00:52	WG2293465
Chloromethane	U		0.00621	0.0178	1	05/28/2024 00:52	WG2293465
2-Chlorotoluene	U		0.00124	0.00357	1	05/28/2024 00:52	WG2293465
4-Chlorotoluene	U	J4	0.000643	0.00714	1	05/28/2024 00:52	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00557	0.0357	1	05/28/2024 00:52	WG2293465
1,2-Dibromoethane	U		0.000925	0.00357	1	05/28/2024 00:52	WG2293465
Dibromomethane	U		0.00107	0.00714	1	05/28/2024 00:52	WG2293465
1,2-Dichlorobenzene	U		0.000607	0.00714	1	05/28/2024 00:52	WG2293465
1,3-Dichlorobenzene	U		0.000857	0.00714	1	05/28/2024 00:52	WG2293465
1,4-Dichlorobenzene	U		0.00100	0.00714	1	05/28/2024 00:52	WG2293465
Dichlorodifluoromethane	U		0.00230	0.00714	1	05/28/2024 00:52	WG2293465
1,1-Dichloroethane	U		0.000701	0.00357	1	05/28/2024 00:52	WG2293465
1,2-Dichloroethane	U		0.000927	0.00357	1	05/28/2024 00:52	WG2293465
1,1-Dichloroethene	U		0.000865	0.00357	1	05/28/2024 00:52	WG2293465
cis-1,2-Dichloroethene	U		0.00105	0.00357	1	05/28/2024 00:52	WG2293465
trans-1,2-Dichloroethene	U		0.00148	0.00714	1	05/28/2024 00:52	WG2293465
1,2-Dichloropropane	U		0.00203	0.00714	1	05/28/2024 00:52	WG2293465
1,1-Dichloropropene	U		0.00116	0.00357	1	05/28/2024 00:52	WG2293465
1,3-Dichloropropane	U		0.000715	0.00714	1	05/28/2024 00:52	WG2293465
cis-1,3-Dichloropropene	U		0.00108	0.00357	1	05/28/2024 00:52	WG2293465
trans-1,3-Dichloropropene	U		0.00163	0.00714	1	05/28/2024 00:52	WG2293465
2,2-Dichloropropane	U		0.00197	0.00357	1	05/28/2024 00:52	WG2293465
Di-isopropyl ether	U		0.000585	0.00143	1	05/28/2024 00:52	WG2293465
Ethylbenzene	U		0.00105	0.00357	1	05/28/2024 00:52	WG2293465
Hexachloro-1,3-butadiene	U		0.00857	0.0357	1	05/28/2024 00:52	WG2293465
Isopropylbenzene	U		0.000607	0.00357	1	05/28/2024 00:52	WG2293465
p-Isopropyltoluene	U		0.00364	0.00714	1	05/28/2024 00:52	WG2293465
2-Butanone (MEK)	U	J4	0.0907	0.143	1	05/28/2024 00:52	WG2293465
Methylene Chloride	U		0.00948	0.0357	1	05/28/2024 00:52	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00326	0.0357	1	05/28/2024 00:52	WG2293465
Methyl tert-butyl ether	U		0.000500	0.00143	1	05/28/2024 00:52	WG2293465
Naphthalene	U	J3	0.00697	0.0178	1	05/28/2024 00:52	WG2293465
n-Propylbenzene	U		0.00136	0.00714	1	05/28/2024 00:52	WG2293465
Styrene	U		0.000327	0.0178	1	05/28/2024 00:52	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00135	0.00357	1	05/28/2024 00:52	WG2293465
1,1,2,2-Tetrachloroethane	U		0.000992	0.00357	1	05/28/2024 00:52	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00108	0.00357	1	05/28/2024 00:52	WG2293465
Tetrachloroethene	U		0.00128	0.00357	1	05/28/2024 00:52	WG2293465
Toluene	U		0.00186	0.00714	1	05/28/2024 00:52	WG2293465
1,2,3-Trichlorobenzene	U		0.0105	0.0178	1	05/28/2024 00:52	WG2293465
1,2,4-Trichlorobenzene	U		0.00628	0.0178	1	05/28/2024 00:52	WG2293465
1,1,1-Trichloroethane	U		0.00132	0.00357	1	05/28/2024 00:52	WG2293465
1,1,2-Trichloroethane	U		0.000852	0.00357	1	05/28/2024 00:52	WG2293465
Trichloroethene	U		0.000834	0.00143	1	05/28/2024 00:52	WG2293465
Trichlorofluoromethane	U		0.00118	0.00357	1	05/28/2024 00:52	WG2293465
1,2,3-Trichloropropane	U		0.00231	0.0178	1	05/28/2024 00:52	WG2293465
1,2,4-Trimethylbenzene	U		0.00226	0.00714	1	05/28/2024 00:52	WG2293465
1,2,3-Trimethylbenzene	U		0.00226	0.00714	1	05/28/2024 00:52	WG2293465
1,3,5-Trimethylbenzene	U		0.00286	0.00714	1	05/28/2024 00:52	WG2293465
Vinyl chloride	U		0.00166	0.00357	1	05/28/2024 00:52	WG2293465
Xylenes, Total	0.00168	J	0.00126	0.00928	1	05/28/2024 00:52	WG2293465
(S) Toluene-d8	*101*			*75.0-131*		*05/28/2024 00:52*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/28/2024 00:52*	WG2293465
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*05/28/2024 00:52*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	15.1	J	4.35	23.7	5	05/24/2024 21:32	WG2292509
C22-C32 Hydrocarbons	134		7.88	23.7	5	05/24/2024 21:32	WG2292509
C32-C40 Hydrocarbons	102		7.88	23.7	5	05/24/2024 21:32	WG2292509
(S) o-Terphenyl	*80.1*			*18.0-148*		*05/24/2024 21:32*	WG2292509

Sample Narrative:

L1738627-20 WG2292509: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0639	0.395	10	05/31/2024 04:51	WG2294807
Acenaphthylene	U		0.0556	0.395	10	05/31/2024 04:51	WG2294807
Anthracene	U		0.0703	0.395	10	05/31/2024 04:51	WG2294807
Benzidine	U		0.742	19.8	10	05/31/2024 04:51	WG2294807
Benzo(a)anthracene	U		0.0696	0.395	10	05/31/2024 04:51	WG2294807
Benzo(b)fluoranthene	U		0.0736	0.395	10	05/31/2024 04:51	WG2294807
Benzo(k)fluoranthene	U		0.0702	0.395	10	05/31/2024 04:51	WG2294807
Benzo(g,h,i)perylene	U		0.0722	0.395	10	05/31/2024 04:51	WG2294807
Benzo(a)pyrene	U		0.0734	0.395	10	05/31/2024 04:51	WG2294807
Bis(2-chlorethoxy)methane	U		0.119	3.95	10	05/31/2024 04:51	WG2294807
Bis(2-chloroethyl)ether	U		0.130	3.95	10	05/31/2024 04:51	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.171	3.95	10	05/31/2024 04:51	WG2294807
4-Bromophenyl-phenylether	U		0.139	3.95	10	05/31/2024 04:51	WG2294807
2-Chloronaphthalene	U		0.0693	0.395	10	05/31/2024 04:51	WG2294807
4-Chlorophenyl-phenylether	U		0.138	3.95	10	05/31/2024 04:51	WG2294807
Chrysene	U		0.0785	0.395	10	05/31/2024 04:51	WG2294807
Dibenz(a,h)anthracene	U		0.109	0.395	10	05/31/2024 04:51	WG2294807
1,2-Dichlorobenzene	U		0.117	3.95	10	05/31/2024 04:51	WG2294807
1,3-Dichlorobenzene	U		0.120	3.95	10	05/31/2024 04:51	WG2294807
1,4-Dichlorobenzene	U		0.117	3.95	10	05/31/2024 04:51	WG2294807
3,3-Dichlorobenzidine	U		0.146	3.95	10	05/31/2024 04:51	WG2294807
2,4-Dinitrotoluene	U		0.113	3.95	10	05/31/2024 04:51	WG2294807
2,6-Dinitrotoluene	U		0.129	3.95	10	05/31/2024 04:51	WG2294807
Fluoranthene	U		0.0712	0.395	10	05/31/2024 04:51	WG2294807
Fluorene	U		0.0642	0.395	10	05/31/2024 04:51	WG2294807
Hexachlorobenzene	U		0.140	3.95	10	05/31/2024 04:51	WG2294807
Hexachloro-1,3-butadiene	U		0.133	3.95	10	05/31/2024 04:51	WG2294807
Hexachlorocyclopentadiene	U		0.207	3.95	10	05/31/2024 04:51	WG2294807
Hexachloroethane	U		0.155	3.95	10	05/31/2024 04:51	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.112	0.395	10	05/31/2024 04:51	WG2294807
Isophorone	U		0.121	3.95	10	05/31/2024 04:51	WG2294807
Naphthalene	U		0.0991	0.395	10	05/31/2024 04:51	WG2294807
Nitrobenzene	U		0.138	3.95	10	05/31/2024 04:51	WG2294807
n-Nitrosodimethylamine	U		0.586	3.95	10	05/31/2024 04:51	WG2294807
n-Nitrosodiphenylamine	U		0.299	3.95	10	05/31/2024 04:51	WG2294807
n-Nitrosodi-n-propylamine	U		0.132	3.95	10	05/31/2024 04:51	WG2294807
Phenanthrene	U		0.0784	0.395	10	05/31/2024 04:51	WG2294807
Benzylbutyl phthalate	U		0.123	3.95	10	05/31/2024 04:51	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.500	3.95	10	05/31/2024 04:51	WG2294807
Di-n-butyl phthalate	U		0.135	3.95	10	05/31/2024 04:51	WG2294807
Diethyl phthalate	U		0.130	3.95	10	05/31/2024 04:51	WG2294807
Dimethyl phthalate	U		0.837	3.95	10	05/31/2024 04:51	WG2294807
Di-n-octyl phthalate	U		0.267	3.95	10	05/31/2024 04:51	WG2294807
Pyrene	U		0.0768	0.395	10	05/31/2024 04:51	WG2294807
1,2,4-Trichlorobenzene	U		0.123	3.95	10	05/31/2024 04:51	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.128	3.95	10	05/31/2024 04:51	WG2294807
2-Chlorophenol	U		0.130	3.95	10	05/31/2024 04:51	WG2294807
2,4-Dichlorophenol	U		0.115	3.95	10	05/31/2024 04:51	WG2294807
2,4-Dimethylphenol	U		0.103	3.95	10	05/31/2024 04:51	WG2294807
4,6-Dinitro-2-methylphenol	U		0.895	3.95	10	05/31/2024 04:51	WG2294807
2,4-Dinitrophenol	U		0.923	3.95	10	05/31/2024 04:51	WG2294807
2-Nitrophenol	U		0.141	3.95	10	05/31/2024 04:51	WG2294807
4-Nitrophenol	U		0.123	3.95	10	05/31/2024 04:51	WG2294807
Pentachlorophenol	U		0.106	3.95	10	05/31/2024 04:51	WG2294807
Phenol	U		0.159	3.95	10	05/31/2024 04:51	WG2294807
2,4,6-Trichlorophenol	U		0.127	3.95	10	05/31/2024 04:51	WG2294807
(S) 2-Fluorophenol	*95.7*			*12.0-120*		*05/31/2024 04:51*	WG2294807
(S) Phenol-d5	*87.0*			*10.0-120*		*05/31/2024 04:51*	WG2294807
(S) Nitrobenzene-d5	*70.2*			*10.0-122*		*05/31/2024 04:51*	WG2294807
(S) 2-Fluorobiphenyl	*84.8*			*15.0-120*		*05/31/2024 04:51*	WG2294807
(S) 2,4,6-Tribromophenol	*84.9*			*10.0-127*		*05/31/2024 04:51*	WG2294807
(S) p-Terphenyl-d14	*91.7*			*10.0-120*		*05/31/2024 04:51*	WG2294807

Sample Narrative:

L1738627-20 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	05/22/2024 09:31	WG2290916

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.95	J	1.31	3.96	25	05/23/2024 15:03	WG2291959
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*05/23/2024 15:03*	WG2291959

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0578	0.0792	1	05/26/2024 00:56	WG2292331
Acrylonitrile	U	J4	0.00572	0.0198	1	05/26/2024 00:56	WG2292331
Benzene	U		0.000740	0.00158	1	05/26/2024 00:56	WG2292331
Bromobenzene	U		0.00143	0.0198	1	05/26/2024 00:56	WG2292331
Bromodichloromethane	U		0.00115	0.00396	1	05/26/2024 00:56	WG2292331
Bromoform	U		0.00185	0.0396	1	05/26/2024 00:56	WG2292331
Bromomethane	U		0.00312	0.0198	1	05/26/2024 00:56	WG2292331
n-Butylbenzene	U		0.00831	0.0198	1	05/26/2024 00:56	WG2292331
sec-Butylbenzene	U		0.00456	0.0198	1	05/26/2024 00:56	WG2292331
tert-Butylbenzene	U		0.00309	0.00792	1	05/26/2024 00:56	WG2292331
Carbon tetrachloride	U		0.00142	0.00792	1	05/26/2024 00:56	WG2292331
Chlorobenzene	U		0.000333	0.00396	1	05/26/2024 00:56	WG2292331
Chlorodibromomethane	U		0.000969	0.00396	1	05/26/2024 00:56	WG2292331
Chloroethane	U		0.00269	0.00792	1	05/26/2024 00:56	WG2292331
Chloroform	U		0.00163	0.00396	1	05/26/2024 00:56	WG2292331
Chloromethane	U		0.00689	0.0198	1	05/26/2024 00:56	WG2292331
2-Chlorotoluene	U		0.00137	0.00396	1	05/26/2024 00:56	WG2292331
4-Chlorotoluene	U		0.000713	0.00792	1	05/26/2024 00:56	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00618	0.0396	1	05/26/2024 00:56	WG2292331
1,2-Dibromoethane	U		0.00103	0.00396	1	05/26/2024 00:56	WG2292331
Dibromomethane	U		0.00119	0.00792	1	05/26/2024 00:56	WG2292331
1,2-Dichlorobenzene	U		0.000673	0.00792	1	05/26/2024 00:56	WG2292331
1,3-Dichlorobenzene	U		0.000950	0.00792	1	05/26/2024 00:56	WG2292331
1,4-Dichlorobenzene	U		0.00111	0.00792	1	05/26/2024 00:56	WG2292331
Dichlorodifluoromethane	U		0.00255	0.00792	1	05/26/2024 00:56	WG2292331
1,1-Dichloroethane	U		0.000778	0.00396	1	05/26/2024 00:56	WG2292331
1,2-Dichloroethane	U		0.00103	0.00396	1	05/26/2024 00:56	WG2292331
1,1-Dichloroethene	U		0.000960	0.00396	1	05/26/2024 00:56	WG2292331
cis-1,2-Dichloroethene	U		0.00116	0.00396	1	05/26/2024 00:56	WG2292331
trans-1,2-Dichloroethene	U		0.00165	0.00792	1	05/26/2024 00:56	WG2292331
1,2-Dichloropropane	U		0.00225	0.00792	1	05/26/2024 00:56	WG2292331
1,1-Dichloropropene	U		0.00128	0.00396	1	05/26/2024 00:56	WG2292331
1,3-Dichloropropane	U		0.000793	0.00792	1	05/26/2024 00:56	WG2292331
cis-1,3-Dichloropropene	U		0.00120	0.00396	1	05/26/2024 00:56	WG2292331
trans-1,3-Dichloropropene	U		0.00181	0.00792	1	05/26/2024 00:56	WG2292331
2,2-Dichloropropane	U		0.00219	0.00396	1	05/26/2024 00:56	WG2292331
Di-isopropyl ether	U		0.000649	0.00158	1	05/26/2024 00:56	WG2292331
Ethylbenzene	U		0.00117	0.00396	1	05/26/2024 00:56	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.00950	0.0396	1	05/26/2024 00:56	WG2292331
Isopropylbenzene	U		0.000673	0.00396	1	05/26/2024 00:56	WG2292331
p-Isopropyltoluene	U		0.00404	0.00792	1	05/26/2024 00:56	WG2292331
2-Butanone (MEK)	U	J4	0.101	0.158	1	05/26/2024 00:56	WG2292331
Methylene Chloride	U		0.0105	0.0396	1	05/26/2024 00:56	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00361	0.0396	1	05/26/2024 00:56	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000554	0.00158	1	05/26/2024 00:56	WG2292331
Naphthalene	U		0.00773	0.0198	1	05/26/2024 00:56	WG2292331
n-Propylbenzene	U		0.00150	0.00792	1	05/26/2024 00:56	WG2292331
Styrene	U		0.000363	0.0198	1	05/26/2024 00:56	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00150	0.00396	1	05/26/2024 00:56	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00110	0.00396	1	05/26/2024 00:56	WG2292331
1,1,2-Trichlorotrifluoroethane	U		0.00119	0.00396	1	05/26/2024 00:56	WG2292331
Tetrachloroethene	U		0.00142	0.00396	1	05/26/2024 00:56	WG2292331
Toluene	U		0.00206	0.00792	1	05/26/2024 00:56	WG2292331
1,2,3-Trichlorobenzene	U		0.0116	0.0198	1	05/26/2024 00:56	WG2292331
1,2,4-Trichlorobenzene	U		0.00697	0.0198	1	05/26/2024 00:56	WG2292331
1,1,1-Trichloroethane	U		0.00146	0.00396	1	05/26/2024 00:56	WG2292331
1,1,2-Trichloroethane	U		0.000945	0.00396	1	05/26/2024 00:56	WG2292331
Trichloroethene	U		0.000925	0.00158	1	05/26/2024 00:56	WG2292331
Trichlorofluoromethane	U		0.00131	0.00396	1	05/26/2024 00:56	WG2292331
1,2,3-Trichloropropane	U		0.00257	0.0198	1	05/26/2024 00:56	WG2292331
1,2,4-Trimethylbenzene	U		0.00250	0.00792	1	05/26/2024 00:56	WG2292331
1,2,3-Trimethylbenzene	U		0.00250	0.00792	1	05/26/2024 00:56	WG2292331
1,3,5-Trimethylbenzene	U		0.00317	0.00792	1	05/26/2024 00:56	WG2292331
Vinyl chloride	U		0.00184	0.00396	1	05/26/2024 00:56	WG2292331
Xylenes, Total	U		0.00139	0.0103	1	05/26/2024 00:56	WG2292331
(S) Toluene-d8	*103*			*75.0-131*		*05/26/2024 00:56*	WG2292331
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/26/2024 00:56*	WG2292331
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*05/26/2024 00:56*	WG2292331

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	5.45		0.925	5.05	1	05/24/2024 20:23	WG2292509
C22-C32 Hydrocarbons	7.80		1.68	5.05	1	05/24/2024 20:23	WG2292509
C32-C40 Hydrocarbons	4.46	J	1.68	5.05	1	05/24/2024 20:23	WG2292509
(S) o-Terphenyl	*53.3*			*18.0-148*		*05/24/2024 20:23*	WG2292509

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0721		0.0191	0.0425	1	05/23/2024 10:55	WG2290825

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.578	2.13	1	05/26/2024 20:14	WG2291334
Arsenic	10.6		0.551	2.13	1	05/26/2024 20:14	WG2291334
Barium	190		0.0906	0.532	1	05/26/2024 20:14	WG2291334
Beryllium	0.306		0.0335	0.213	1	05/26/2024 20:14	WG2291334
Cadmium	0.104	J	0.0501	0.532	1	05/26/2024 20:14	WG2291334
Chromium	111		0.141	1.06	1	05/26/2024 20:14	WG2291334
Cobalt	9.05		0.0862	1.06	1	05/26/2024 20:14	WG2291334
Copper	37.2		0.425	2.13	1	05/26/2024 20:14	WG2291334
Lead	44.4		0.221	0.532	1	05/26/2024 20:14	WG2291334
Molybdenum	1.67		0.116	0.532	1	05/26/2024 20:14	WG2291334
Nickel	86.1		0.140	2.13	1	05/26/2024 20:14	WG2291334
Selenium	U		0.812	2.13	1	05/26/2024 20:14	WG2291334
Silver	1.99		0.135	1.06	1	05/26/2024 20:14	WG2291334
Thallium	1.86	J	0.419	2.13	1	05/26/2024 20:14	WG2291334
Vanadium	42.8		0.538	2.13	1	05/26/2024 20:14	WG2291334
Zinc	89.8		0.885	5.32	1	05/26/2024 20:14	WG2291334

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0362	1	05/22/2024 15:57	WG2291058
PCB 1221	U		0.0125	0.0362	1	05/22/2024 15:57	WG2291058
PCB 1232	U		0.0125	0.0362	1	05/22/2024 15:57	WG2291058
PCB 1242	U		0.0125	0.0362	1	05/22/2024 15:57	WG2291058
PCB 1248	U		0.00785	0.0181	1	05/22/2024 15:57	WG2291058
PCB 1254	U		0.00785	0.0181	1	05/22/2024 15:57	WG2291058
PCB 1260	0.0195		0.00785	0.0181	1	05/22/2024 15:57	WG2291058
(S) Decachlorobiphenyl	*62.9*			*10.0-135*		*05/22/2024 15:57*	WG2291058
(S) Tetrachloro-m-xylene	*68.1*			*10.0-139*		*05/22/2024 15:57*	WG2291058

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0573	0.354	10	05/31/2024 06:04	WG2294807
Acenaphthylene	U		0.0499	0.354	10	05/31/2024 06:04	WG2294807
Anthracene	U		0.0631	0.354	10	05/31/2024 06:04	WG2294807
Benzidine	U		0.666	17.8	10	05/31/2024 06:04	WG2294807
Benzo(a)anthracene	U		0.0624	0.354	10	05/31/2024 06:04	WG2294807
Benzo(b)fluoranthene	U		0.0660	0.354	10	05/31/2024 06:04	WG2294807
Benzo(k)fluoranthene	U		0.0630	0.354	10	05/31/2024 06:04	WG2294807
Benzo(g,h,i)perylene	U		0.0648	0.354	10	05/31/2024 06:04	WG2294807
Benzo(a)pyrene	U		0.0658	0.354	10	05/31/2024 06:04	WG2294807
Bis(2-chlorethoxy)methane	U		0.106	3.54	10	05/31/2024 06:04	WG2294807
Bis(2-chloroethyl)ether	U		0.117	3.54	10	05/31/2024 06:04	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.153	3.54	10	05/31/2024 06:04	WG2294807
4-Bromophenyl-phenylether	U		0.124	3.54	10	05/31/2024 06:04	WG2294807
2-Chloronaphthalene	U		0.0622	0.354	10	05/31/2024 06:04	WG2294807
4-Chlorophenyl-phenylether	U		0.123	3.54	10	05/31/2024 06:04	WG2294807
Chrysene	U		0.0704	0.354	10	05/31/2024 06:04	WG2294807
Dibenz(a,h)anthracene	U		0.0981	0.354	10	05/31/2024 06:04	WG2294807
1,2-Dichlorobenzene	U		0.105	3.54	10	05/31/2024 06:04	WG2294807
1,3-Dichlorobenzene	U		0.107	3.54	10	05/31/2024 06:04	WG2294807
1,4-Dichlorobenzene	U		0.105	3.54	10	05/31/2024 06:04	WG2294807
3,3-Dichlorobenzidine	U		0.131	3.54	10	05/31/2024 06:04	WG2294807
2,4-Dinitrotoluene	U		0.102	3.54	10	05/31/2024 06:04	WG2294807
2,6-Dinitrotoluene	U		0.116	3.54	10	05/31/2024 06:04	WG2294807
Fluoranthene	U		0.0639	0.354	10	05/31/2024 06:04	WG2294807
Fluorene	U		0.0576	0.354	10	05/31/2024 06:04	WG2294807
Hexachlorobenzene	U		0.125	3.54	10	05/31/2024 06:04	WG2294807
Hexachloro-1,3-butadiene	U		0.119	3.54	10	05/31/2024 06:04	WG2294807
Hexachlorocyclopentadiene	U		0.186	3.54	10	05/31/2024 06:04	WG2294807
Hexachloroethane	U		0.139	3.54	10	05/31/2024 06:04	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.100	0.354	10	05/31/2024 06:04	WG2294807
Isophorone	U		0.108	3.54	10	05/31/2024 06:04	WG2294807
Naphthalene	U		0.0889	0.354	10	05/31/2024 06:04	WG2294807
Nitrobenzene	U		0.123	3.54	10	05/31/2024 06:04	WG2294807
n-Nitrosodimethylamine	U		0.525	3.54	10	05/31/2024 06:04	WG2294807
n-Nitrosodiphenylamine	U		0.268	3.54	10	05/31/2024 06:04	WG2294807
n-Nitrosodi-n-propylamine	U		0.118	3.54	10	05/31/2024 06:04	WG2294807
Phenanthrene	U		0.0703	0.354	10	05/31/2024 06:04	WG2294807
Benzylbutyl phthalate	U		0.111	3.54	10	05/31/2024 06:04	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.449	3.54	10	05/31/2024 06:04	WG2294807
Di-n-butyl phthalate	U		0.121	3.54	10	05/31/2024 06:04	WG2294807
Diethyl phthalate	U		0.117	3.54	10	05/31/2024 06:04	WG2294807
Dimethyl phthalate	U		0.751	3.54	10	05/31/2024 06:04	WG2294807
Di-n-octyl phthalate	U		0.239	3.54	10	05/31/2024 06:04	WG2294807
Pyrene	U		0.0689	0.354	10	05/31/2024 06:04	WG2294807
1,2,4-Trichlorobenzene	U		0.111	3.54	10	05/31/2024 06:04	WG2294807
4-Chloro-3-methylphenol	U		0.115	3.54	10	05/31/2024 06:04	WG2294807
2-Chlorophenol	U		0.117	3.54	10	05/31/2024 06:04	WG2294807
2,4-Dichlorophenol	U		0.103	3.54	10	05/31/2024 06:04	WG2294807
2,4-Dimethylphenol	U		0.0925	3.54	10	05/31/2024 06:04	WG2294807
4,6-Dinitro-2-methylphenol	U		0.803	3.54	10	05/31/2024 06:04	WG2294807
2,4-Dinitrophenol	U		0.828	3.54	10	05/31/2024 06:04	WG2294807
2-Nitrophenol	U		0.127	3.54	10	05/31/2024 06:04	WG2294807
4-Nitrophenol	U		0.111	3.54	10	05/31/2024 06:04	WG2294807
Pentachlorophenol	U		0.0953	3.54	10	05/31/2024 06:04	WG2294807
Phenol	U		0.142	3.54	10	05/31/2024 06:04	WG2294807
2,4,6-Trichlorophenol	U		0.114	3.54	10	05/31/2024 06:04	WG2294807
(S) 2-Fluorophenol	*45.7*			*12.0-120*		*05/31/2024 06:04*	WG2294807
(S) Phenol-d5	*72.5*			*10.0-120*		*05/31/2024 06:04*	WG2294807
(S) Nitrobenzene-d5	*67.1*			*10.0-122*		*05/31/2024 06:04*	WG2294807
(S) 2-Fluorobiphenyl	*86.3*			*15.0-120*		*05/31/2024 06:04*	WG2294807
(S) 2,4,6-Tribromophenol	*39.9*			*10.0-127*		*05/31/2024 06:04*	WG2294807
(S) p-Terphenyl-d14	*96.2*			*10.0-120*		*05/31/2024 06:04*	WG2294807

Sample Narrative:

L1738627-23 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0487		0.0214	0.0475	1	05/27/2024 13:52	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.646	2.38	1	06/01/2024 18:58	WG2293711
Arsenic	1.36	J	0.616	2.38	1	06/01/2024 18:58	WG2293711
Barium	62.9		0.101	0.594	1	06/01/2024 18:58	WG2293711
Beryllium	0.128	J	0.0374	0.238	1	06/01/2024 18:58	WG2293711
Cadmium	U		0.0560	0.594	1	06/01/2024 18:58	WG2293711
Chromium	9.44		0.158	1.19	1	06/01/2024 18:58	WG2293711
Cobalt	4.45		0.0964	1.19	1	06/01/2024 18:58	WG2293711
Copper	9.51		0.475	2.38	1	06/01/2024 18:58	WG2293711
Lead	11.1		0.247	0.594	1	06/01/2024 18:58	WG2293711
Molybdenum	0.181	J	0.130	0.594	1	06/01/2024 18:58	WG2293711
Nickel	14.2		0.157	2.38	1	06/01/2024 18:58	WG2293711
Selenium	U		0.908	2.38	1	06/01/2024 18:58	WG2293711
Silver	0.175	J	0.151	1.19	1	06/01/2024 18:58	WG2293711
Thallium	0.953	J	0.468	2.38	1	06/01/2024 18:58	WG2293711
Vanadium	14.0		0.601	2.38	1	06/01/2024 18:58	WG2293711
Zinc	31.2		0.989	5.94	1	06/01/2024 18:58	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0519	0.0712	1	05/26/2024 01:15	WG2292331
Acrylonitrile	U	J4	0.00514	0.0178	1	05/26/2024 01:15	WG2292331
Benzene	U		0.000665	0.00142	1	05/26/2024 01:15	WG2292331
Bromobenzene	U		0.00128	0.0178	1	05/26/2024 01:15	WG2292331
Bromodichloromethane	U		0.00103	0.00356	1	05/26/2024 01:15	WG2292331
Bromoform	U		0.00167	0.0356	1	05/26/2024 01:15	WG2292331
Bromomethane	U		0.00280	0.0178	1	05/26/2024 01:15	WG2292331
n-Butylbenzene	U		0.00747	0.0178	1	05/26/2024 01:15	WG2292331
sec-Butylbenzene	U		0.00410	0.0178	1	05/26/2024 01:15	WG2292331
tert-Butylbenzene	U		0.00278	0.00712	1	05/26/2024 01:15	WG2292331
Carbon tetrachloride	U		0.00128	0.00712	1	05/26/2024 01:15	WG2292331
Chlorobenzene	U		0.000299	0.00356	1	05/26/2024 01:15	WG2292331
Chlorodibromomethane	U		0.000871	0.00356	1	05/26/2024 01:15	WG2292331
Chloroethane	U		0.00242	0.00712	1	05/26/2024 01:15	WG2292331
Chloroform	U		0.00147	0.00356	1	05/26/2024 01:15	WG2292331
Chloromethane	U		0.00619	0.0178	1	05/26/2024 01:15	WG2292331
2-Chlorotoluene	U		0.00123	0.00356	1	05/26/2024 01:15	WG2292331
4-Chlorotoluene	U		0.000640	0.00712	1	05/26/2024 01:15	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00555	0.0356	1	05/26/2024 01:15	WG2292331
1,2-Dibromoethane	U		0.000922	0.00356	1	05/26/2024 01:15	WG2292331
Dibromomethane	U		0.00107	0.00712	1	05/26/2024 01:15	WG2292331
1,2-Dichlorobenzene	U		0.000605	0.00712	1	05/26/2024 01:15	WG2292331
1,3-Dichlorobenzene	U		0.000854	0.00712	1	05/26/2024 01:15	WG2292331
1,4-Dichlorobenzene	U		0.000996	0.00712	1	05/26/2024 01:15	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00229	0.00712	1	05/26/2024 01:15	WG2292331
1,1-Dichloroethane	U		0.000699	0.00356	1	05/26/2024 01:15	WG2292331
1,2-Dichloroethane	U		0.000924	0.00356	1	05/26/2024 01:15	WG2292331
1,1-Dichloroethene	U		0.000862	0.00356	1	05/26/2024 01:15	WG2292331
cis-1,2-Dichloroethene	U		0.00104	0.00356	1	05/26/2024 01:15	WG2292331
trans-1,2-Dichloroethene	U		0.00148	0.00712	1	05/26/2024 01:15	WG2292331
1,2-Dichloropropane	U		0.00202	0.00712	1	05/26/2024 01:15	WG2292331
1,1-Dichloropropene	U		0.00115	0.00356	1	05/26/2024 01:15	WG2292331
1,3-Dichloropropane	U		0.000713	0.00712	1	05/26/2024 01:15	WG2292331
cis-1,3-Dichloropropene	U		0.00108	0.00356	1	05/26/2024 01:15	WG2292331
trans-1,3-Dichloropropene	U		0.00162	0.00712	1	05/26/2024 01:15	WG2292331
2,2-Dichloropropane	U		0.00196	0.00356	1	05/26/2024 01:15	WG2292331
Di-isopropyl ether	U		0.000583	0.00142	1	05/26/2024 01:15	WG2292331
Ethylbenzene	U		0.00105	0.00356	1	05/26/2024 01:15	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.00854	0.0356	1	05/26/2024 01:15	WG2292331
Isopropylbenzene	U		0.000605	0.00356	1	05/26/2024 01:15	WG2292331
p-Isopropyltoluene	U		0.00363	0.00712	1	05/26/2024 01:15	WG2292331
2-Butanone (MEK)	U	J4	0.0904	0.142	1	05/26/2024 01:15	WG2292331
Methylene Chloride	U		0.00945	0.0356	1	05/26/2024 01:15	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00324	0.0356	1	05/26/2024 01:15	WG2292331
Methyl tert-butyl ether	U		0.000498	0.00142	1	05/26/2024 01:15	WG2292331
Naphthalene	U		0.00695	0.0178	1	05/26/2024 01:15	WG2292331
n-Propylbenzene	U		0.00135	0.00712	1	05/26/2024 01:15	WG2292331
Styrene	U		0.000326	0.0178	1	05/26/2024 01:15	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00135	0.00356	1	05/26/2024 01:15	WG2292331
1,1,2,2-Tetrachloroethane	U		0.000989	0.00356	1	05/26/2024 01:15	WG2292331
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00356	1	05/26/2024 01:15	WG2292331
Tetrachloroethene	U		0.00128	0.00356	1	05/26/2024 01:15	WG2292331
Toluene	U		0.00185	0.00712	1	05/26/2024 01:15	WG2292331
1,2,3-Trichlorobenzene	U		0.0104	0.0178	1	05/26/2024 01:15	WG2292331
1,2,4-Trichlorobenzene	U		0.00626	0.0178	1	05/26/2024 01:15	WG2292331
1,1,1-Trichloroethane	U		0.00131	0.00356	1	05/26/2024 01:15	WG2292331
1,1,2-Trichloroethane	U		0.000850	0.00356	1	05/26/2024 01:15	WG2292331
Trichloroethene	U		0.000831	0.00142	1	05/26/2024 01:15	WG2292331
Trichlorofluoromethane	U		0.00118	0.00356	1	05/26/2024 01:15	WG2292331
1,2,3-Trichloropropane	U		0.00231	0.0178	1	05/26/2024 01:15	WG2292331
1,2,4-Trimethylbenzene	U		0.00225	0.00712	1	05/26/2024 01:15	WG2292331
1,2,3-Trimethylbenzene	U		0.00225	0.00712	1	05/26/2024 01:15	WG2292331
1,3,5-Trimethylbenzene	U		0.00285	0.00712	1	05/26/2024 01:15	WG2292331
Vinyl chloride	U		0.00165	0.00356	1	05/26/2024 01:15	WG2292331
Xylenes, Total	U		0.00125	0.00925	1	05/26/2024 01:15	WG2292331
(S) Toluene-d8	*100*			*75.0-131*		*05/26/2024 01:15*	WG2292331
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/26/2024 01:15*	WG2292331
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*05/26/2024 01:15*	WG2292331

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0140	0.0404	1	05/28/2024 12:22	WG2294060
PCB 1221	U		0.0140	0.0404	1	05/28/2024 12:22	WG2294060
PCB 1232	U		0.0140	0.0404	1	05/28/2024 12:22	WG2294060
PCB 1242	U		0.0140	0.0404	1	05/28/2024 12:22	WG2294060
PCB 1248	U		0.00877	0.0202	1	05/28/2024 12:22	WG2294060
PCB 1254	U		0.00877	0.0202	1	05/28/2024 12:22	WG2294060
PCB 1260	U		0.00877	0.0202	1	05/28/2024 12:22	WG2294060
(S) Decachlorobiphenyl	*54.7*			*10.0-135*		*05/28/2024 12:22*	WG2294060

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*59.9*			*10.0-139*		*05/28/2024 12:22*	WG2294060

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.640	3.96	100	05/31/2024 11:45	WG2294807
Acenaphthylene	U		0.557	3.96	100	05/31/2024 11:45	WG2294807
Anthracene	U		0.705	3.96	100	05/31/2024 11:45	WG2294807
Benzidine	U		7.44	198	100	05/31/2024 11:45	WG2294807
Benzo(a)anthracene	U		0.697	3.96	100	05/31/2024 11:45	WG2294807
Benzo(b)fluoranthene	U		0.738	3.96	100	05/31/2024 11:45	WG2294807
Benzo(k)fluoranthene	U		0.703	3.96	100	05/31/2024 11:45	WG2294807
Benzo(g,h,i)perylene	U		0.724	3.96	100	05/31/2024 11:45	WG2294807
Benzo(a)pyrene	U		0.736	3.96	100	05/31/2024 11:45	WG2294807
Bis(2-chlorethoxy)methane	U		1.19	39.6	100	05/31/2024 11:45	WG2294807
Bis(2-chloroethyl)ether	U		1.31	39.6	100	05/31/2024 11:45	WG2294807
2,2-Oxybis(1-Chloropropane)	U		1.71	39.6	100	05/31/2024 11:45	WG2294807
4-Bromophenyl-phenylether	U		1.39	39.6	100	05/31/2024 11:45	WG2294807
2-Chloronaphthalene	U		0.695	3.96	100	05/31/2024 11:45	WG2294807
4-Chlorophenyl-phenylether	U		1.38	39.6	100	05/31/2024 11:45	WG2294807
Chrysene	U		0.787	3.96	100	05/31/2024 11:45	WG2294807
Dibenz(a,h)anthracene	U		1.10	3.96	100	05/31/2024 11:45	WG2294807
1,2-Dichlorobenzene	U		1.17	39.6	100	05/31/2024 11:45	WG2294807
1,3-Dichlorobenzene	U		1.20	39.6	100	05/31/2024 11:45	WG2294807
1,4-Dichlorobenzene	U		1.18	39.6	100	05/31/2024 11:45	WG2294807
3,3-Dichlorobenzidine	U		1.46	39.6	100	05/31/2024 11:45	WG2294807
2,4-Dinitrotoluene	U		1.13	39.6	100	05/31/2024 11:45	WG2294807
2,6-Dinitrotoluene	U		1.30	39.6	100	05/31/2024 11:45	WG2294807
Fluoranthene	U		0.714	3.96	100	05/31/2024 11:45	WG2294807
Fluorene	U		0.644	3.96	100	05/31/2024 11:45	WG2294807
Hexachlorobenzene	U		1.40	39.6	100	05/31/2024 11:45	WG2294807
Hexachloro-1,3-butadiene	U		1.33	39.6	100	05/31/2024 11:45	WG2294807
Hexachlorocyclopentadiene	U		2.08	39.6	100	05/31/2024 11:45	WG2294807
Hexachloroethane	U		1.56	39.6	100	05/31/2024 11:45	WG2294807
Indeno(1,2,3-cd)pyrene	U		1.12	3.96	100	05/31/2024 11:45	WG2294807
Isophorone	U		1.21	39.6	100	05/31/2024 11:45	WG2294807
Naphthalene	U		0.993	3.96	100	05/31/2024 11:45	WG2294807
Nitrobenzene	U		1.38	39.6	100	05/31/2024 11:45	WG2294807
n-Nitrosodimethylamine	U		5.87	39.6	100	05/31/2024 11:45	WG2294807
n-Nitrosodiphenylamine	U		2.99	39.6	100	05/31/2024 11:45	WG2294807
n-Nitrosodi-n-propylamine	U		1.32	39.6	100	05/31/2024 11:45	WG2294807
Phenanthrene	U		0.785	3.96	100	05/31/2024 11:45	WG2294807
Benzylbutyl phthalate	U		1.24	39.6	100	05/31/2024 11:45	WG2294807
Bis(2-ethylhexyl)phthalate	U		5.01	39.6	100	05/31/2024 11:45	WG2294807
Di-n-butyl phthalate	U		1.35	39.6	100	05/31/2024 11:45	WG2294807
Diethyl phthalate	U		1.31	39.6	100	05/31/2024 11:45	WG2294807
Dimethyl phthalate	U		8.39	39.6	100	05/31/2024 11:45	WG2294807
Di-n-octyl phthalate	U		2.67	39.6	100	05/31/2024 11:45	WG2294807
Pyrene	U		0.770	3.96	100	05/31/2024 11:45	WG2294807
1,2,4-Trichlorobenzene	U		1.24	39.6	100	05/31/2024 11:45	WG2294807
4-Chloro-3-methylphenol	U		1.28	39.6	100	05/31/2024 11:45	WG2294807
2-Chlorophenol	U		1.31	39.6	100	05/31/2024 11:45	WG2294807
2,4-Dichlorophenol	U		1.15	39.6	100	05/31/2024 11:45	WG2294807
2,4-Dimethylphenol	U		1.03	39.6	100	05/31/2024 11:45	WG2294807
4,6-Dinitro-2-methylphenol	U		8.97	39.6	100	05/31/2024 11:45	WG2294807
2,4-Dinitrophenol	U		9.26	39.6	100	05/31/2024 11:45	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		1.41	39.6	100	05/31/2024 11:45	WG2294807
4-Nitrophenol	U		1.24	39.6	100	05/31/2024 11:45	WG2294807
Pentachlorophenol	U		1.06	39.6	100	05/31/2024 11:45	WG2294807
Phenol	U		1.59	39.6	100	05/31/2024 11:45	WG2294807
2,4,6-Trichlorophenol	U		1.27	39.6	100	05/31/2024 11:45	WG2294807
(S) 2-Fluorophenol	*82.3*	J7		*12.0-120*		*05/31/2024 11:45*	WG2294807
(S) Phenol-d5	*78.3*	J7		*10.0-120*		*05/31/2024 11:45*	WG2294807
(S) Nitrobenzene-d5	*74.5*	J7		*10.0-122*		*05/31/2024 11:45*	WG2294807
(S) 2-Fluorobiphenyl	*81.1*	J7		*15.0-120*		*05/31/2024 11:45*	WG2294807
(S) 2,4,6-Tribromophenol	*70.5*	J7		*10.0-127*		*05/31/2024 11:45*	WG2294807
(S) p-Terphenyl-d14	*106*	J7		*10.0-120*		*05/31/2024 11:45*	WG2294807

Sample Narrative:

L1738627-24 WG2294807: Dilution due to matrix impact during concentration procedure. Surrogate failure due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	05/22/2024 09:31	WG2290916

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.188		0.0208	0.0462	1	05/23/2024 10:57	WG2290825

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.805	J	0.628	2.31	1	05/26/2024 20:58	WG2291331
Arsenic	2.56		0.598	2.31	1	05/26/2024 20:58	WG2291331
Barium	162		0.0983	0.577	1	05/26/2024 20:58	WG2291331
Beryllium	0.219	J	0.0364	0.231	1	05/26/2024 20:58	WG2291331
Cadmium	0.117	J	0.0544	0.577	1	05/26/2024 20:58	WG2291331
Chromium	33.4		0.153	1.15	1	05/26/2024 20:58	WG2291331
Cobalt	5.71		0.0936	1.15	1	05/26/2024 20:58	WG2291331
Copper	13.9		0.462	2.31	1	05/26/2024 20:58	WG2291331
Lead	23.7		0.240	0.577	1	05/26/2024 20:58	WG2291331
Molybdenum	0.795		0.126	0.577	1	05/26/2024 20:58	WG2291331
Nickel	29.5		0.152	2.31	1	05/26/2024 20:58	WG2291331
Selenium	U		0.882	2.31	1	05/26/2024 20:58	WG2291331
Silver	0.247	J	0.147	1.15	1	05/26/2024 20:58	WG2291331
Thallium	U		0.455	2.31	1	05/26/2024 20:58	WG2291331
Vanadium	34.2		0.584	2.31	1	05/26/2024 20:58	WG2291331
Zinc	47.0		0.960	5.77	1	05/26/2024 20:58	WG2291331

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.27	J	1.15	3.48	26.8	05/23/2024 15:23	WG2291959
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*05/23/2024 15:23*	WG2291959

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	96.7	J	33.8	185	40	05/24/2024 21:46	WG2292509
C22-C32 Hydrocarbons	553		61.4	185	40	05/24/2024 21:46	WG2292509
C32-C40 Hydrocarbons	691		61.4	185	40	05/24/2024 21:46	WG2292509
(S) o-Terphenyl	*88.7*	J7		*18.0-148*		*05/24/2024 21:46*	WG2292509

Sample Narrative:

L1738627-25 WG2292509: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0125	0.0769	2	05/31/2024 02:00	WG2294807
Acenaphthylene	U		0.0108	0.0769	2	05/31/2024 02:00	WG2294807
Anthracene	U		0.0137	0.0769	2	05/31/2024 02:00	WG2294807
Benzidine	U		0.144	3.85	2	05/31/2024 02:00	WG2294807
Benzo(a)anthracene	U		0.0135	0.0769	2	05/31/2024 02:00	WG2294807
Benzo(b)fluoranthene	U		0.0143	0.0769	2	05/31/2024 02:00	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.0136	0.0769	2	05/31/2024 02:00	WG2294807
Benzo(g,h,i)perylene	U		0.0141	0.0769	2	05/31/2024 02:00	WG2294807
Benzo(a)pyrene	U		0.0143	0.0769	2	05/31/2024 02:00	WG2294807
Bis(2-chlorethoxy)methane	U		0.0231	0.769	2	05/31/2024 02:00	WG2294807
Bis(2-chloroethyl)ether	U		0.0254	0.769	2	05/31/2024 02:00	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0332	0.769	2	05/31/2024 02:00	WG2294807
4-Bromophenyl-phenylether	U		0.0270	0.769	2	05/31/2024 02:00	WG2294807
2-Chloronaphthalene	U		0.0135	0.0769	2	05/31/2024 02:00	WG2294807
4-Chlorophenyl-phenylether	U		0.0268	0.769	2	05/31/2024 02:00	WG2294807
Chrysene	U		0.0152	0.0769	2	05/31/2024 02:00	WG2294807
Dibenz(a,h)anthracene	U		0.0214	0.0769	2	05/31/2024 02:00	WG2294807
1,2-Dichlorobenzene	U		0.0227	0.769	2	05/31/2024 02:00	WG2294807
1,3-Dichlorobenzene	U		0.0233	0.769	2	05/31/2024 02:00	WG2294807
1,4-Dichlorobenzene	U		0.0229	0.769	2	05/31/2024 02:00	WG2294807
3,3-Dichlorobenzidine	U		0.0284	0.769	2	05/31/2024 02:00	WG2294807
2,4-Dinitrotoluene	U		0.0220	0.769	2	05/31/2024 02:00	WG2294807
2,6-Dinitrotoluene	U		0.0252	0.769	2	05/31/2024 02:00	WG2294807
Fluoranthene	U		0.0138	0.0769	2	05/31/2024 02:00	WG2294807
Fluorene	U		0.0125	0.0769	2	05/31/2024 02:00	WG2294807
Hexachlorobenzene	U		0.0272	0.769	2	05/31/2024 02:00	WG2294807
Hexachloro-1,3-butadiene	U		0.0259	0.769	2	05/31/2024 02:00	WG2294807
Hexachlorocyclopentadiene	U		0.0404	0.769	2	05/31/2024 02:00	WG2294807
Hexachloroethane	U		0.0302	0.769	2	05/31/2024 02:00	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.0217	0.0769	2	05/31/2024 02:00	WG2294807
Isophorone	U		0.0235	0.769	2	05/31/2024 02:00	WG2294807
Naphthalene	U		0.0193	0.0769	2	05/31/2024 02:00	WG2294807
Nitrobenzene	U		0.0268	0.769	2	05/31/2024 02:00	WG2294807
n-Nitrosodimethylamine	U		0.114	0.769	2	05/31/2024 02:00	WG2294807
n-Nitrosodiphenylamine	U		0.0582	0.769	2	05/31/2024 02:00	WG2294807
n-Nitrosodi-n-propylamine	U		0.0256	0.769	2	05/31/2024 02:00	WG2294807
Phenanthrene	U		0.0152	0.0769	2	05/31/2024 02:00	WG2294807
Benzylbutyl phthalate	U		0.0240	0.769	2	05/31/2024 02:00	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0974	0.769	2	05/31/2024 02:00	WG2294807
Di-n-butyl phthalate	U		0.0263	0.769	2	05/31/2024 02:00	WG2294807
Diethyl phthalate	U		0.0254	0.769	2	05/31/2024 02:00	WG2294807
Dimethyl phthalate	U		0.163	0.769	2	05/31/2024 02:00	WG2294807
Di-n-octyl phthalate	U		0.0519	0.769	2	05/31/2024 02:00	WG2294807
Pyrene	U		0.0150	0.0769	2	05/31/2024 02:00	WG2294807
1,2,4-Trichlorobenzene	U		0.0240	0.769	2	05/31/2024 02:00	WG2294807
4-Chloro-3-methylphenol	U		0.0249	0.769	2	05/31/2024 02:00	WG2294807
2-Chlorophenol	U		0.0254	0.769	2	05/31/2024 02:00	WG2294807
2,4-Dichlorophenol	U		0.0224	0.769	2	05/31/2024 02:00	WG2294807
2,4-Dimethylphenol	U		0.0201	0.769	2	05/31/2024 02:00	WG2294807
4,6-Dinitro-2-methylphenol	U		0.174	0.769	2	05/31/2024 02:00	WG2294807
2,4-Dinitrophenol	U		0.180	0.769	2	05/31/2024 02:00	WG2294807
2-Nitrophenol	U		0.0275	0.769	2	05/31/2024 02:00	WG2294807
4-Nitrophenol	U		0.0240	0.769	2	05/31/2024 02:00	WG2294807
Pentachlorophenol	U		0.0207	0.769	2	05/31/2024 02:00	WG2294807
Phenol	U		0.0309	0.769	2	05/31/2024 02:00	WG2294807
2,4,6-Trichlorophenol	U		0.0247	0.769	2	05/31/2024 02:00	WG2294807
(S) 2-Fluorophenol	*71.4*			*12.0-120*		*05/31/2024 02:00*	WG2294807
(S) Phenol-d5	*72.3*			*10.0-120*		*05/31/2024 02:00*	WG2294807
(S) Nitrobenzene-d5	*57.6*			*10.0-122*		*05/31/2024 02:00*	WG2294807
(S) 2-Fluorobiphenyl	*76.8*			*15.0-120*		*05/31/2024 02:00*	WG2294807
(S) 2,4,6-Tribromophenol	*74.2*			*10.0-127*		*05/31/2024 02:00*	WG2294807
(S) p-Terphenyl-d14	*92.3*			*10.0-120*		*05/31/2024 02:00*	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1738627-25 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	05/22/2024 09:20	WG2290917

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.34	J	1.47	4.44	30	05/23/2024 15:42	WG2291959
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*77.0-120*		*05/23/2024 15:42*	WG2291959

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0648	0.0888	1.2	05/26/2024 01:34	WG2292331
Acrylonitrile	U	J4	0.00641	0.0222	1.2	05/26/2024 01:34	WG2292331
Benzene	U		0.000829	0.00178	1.2	05/26/2024 01:34	WG2292331
Bromobenzene	U		0.00160	0.0222	1.2	05/26/2024 01:34	WG2292331
Bromodichloromethane	U		0.00129	0.00444	1.2	05/26/2024 01:34	WG2292331
Bromoform	U		0.00207	0.0444	1.2	05/26/2024 01:34	WG2292331
Bromomethane	U		0.00349	0.0222	1.2	05/26/2024 01:34	WG2292331
n-Butylbenzene	U		0.00932	0.0222	1.2	05/26/2024 01:34	WG2292331
sec-Butylbenzene	U		0.00512	0.0222	1.2	05/26/2024 01:34	WG2292331
tert-Butylbenzene	U		0.00346	0.00888	1.2	05/26/2024 01:34	WG2292331
Carbon tetrachloride	U		0.00160	0.00888	1.2	05/26/2024 01:34	WG2292331
Chlorobenzene	U		0.000373	0.00444	1.2	05/26/2024 01:34	WG2292331
Chlorodibromomethane	U		0.00109	0.00444	1.2	05/26/2024 01:34	WG2292331
Chloroethane	U		0.00302	0.00888	1.2	05/26/2024 01:34	WG2292331
Chloroform	U		0.00183	0.00444	1.2	05/26/2024 01:34	WG2292331
Chloromethane	U		0.00772	0.0222	1.2	05/26/2024 01:34	WG2292331
2-Chlorotoluene	U		0.00154	0.00444	1.2	05/26/2024 01:34	WG2292331
4-Chlorotoluene	U		0.000799	0.00888	1.2	05/26/2024 01:34	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00693	0.0444	1.2	05/26/2024 01:34	WG2292331
1,2-Dibromoethane	U		0.00115	0.00444	1.2	05/26/2024 01:34	WG2292331
Dibromomethane	U		0.00133	0.00888	1.2	05/26/2024 01:34	WG2292331
1,2-Dichlorobenzene	U		0.000755	0.00888	1.2	05/26/2024 01:34	WG2292331
1,3-Dichlorobenzene	U		0.00107	0.00888	1.2	05/26/2024 01:34	WG2292331
1,4-Dichlorobenzene	U		0.00124	0.00888	1.2	05/26/2024 01:34	WG2292331
Dichlorodifluoromethane	U		0.00286	0.00888	1.2	05/26/2024 01:34	WG2292331
1,1-Dichloroethane	U		0.000872	0.00444	1.2	05/26/2024 01:34	WG2292331
1,2-Dichloroethane	U		0.00115	0.00444	1.2	05/26/2024 01:34	WG2292331
1,1-Dichloroethene	U		0.00108	0.00444	1.2	05/26/2024 01:34	WG2292331
cis-1,2-Dichloroethene	U		0.00130	0.00444	1.2	05/26/2024 01:34	WG2292331
trans-1,2-Dichloroethene	U		0.00185	0.00888	1.2	05/26/2024 01:34	WG2292331
1,2-Dichloropropane	U		0.00252	0.00888	1.2	05/26/2024 01:34	WG2292331
1,1-Dichloropropene	U		0.00144	0.00444	1.2	05/26/2024 01:34	WG2292331
1,3-Dichloropropane	U		0.000889	0.00888	1.2	05/26/2024 01:34	WG2292331
cis-1,3-Dichloropropene	U		0.00134	0.00444	1.2	05/26/2024 01:34	WG2292331
trans-1,3-Dichloropropene	U		0.00203	0.00888	1.2	05/26/2024 01:34	WG2292331
2,2-Dichloropropane	U		0.00246	0.00444	1.2	05/26/2024 01:34	WG2292331
Di-isopropyl ether	U		0.000728	0.00178	1.2	05/26/2024 01:34	WG2292331
Ethylbenzene	U		0.00131	0.00444	1.2	05/26/2024 01:34	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.0107	0.0444	1.2	05/26/2024 01:34	WG2292331
Isopropylbenzene	U		0.000755	0.00444	1.2	05/26/2024 01:34	WG2292331
p-Isopropyltoluene	U		0.00453	0.00888	1.2	05/26/2024 01:34	WG2292331
2-Butanone (MEK)	U	J4	0.113	0.178	1.2	05/26/2024 01:34	WG2292331
Methylene Chloride	U		0.0118	0.0444	1.2	05/26/2024 01:34	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00405	0.0444	1.2	05/26/2024 01:34	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000622	0.00178	1.2	05/26/2024 01:34	WG2292331
Naphthalene	U		0.00867	0.0222	1.2	05/26/2024 01:34	WG2292331
n-Propylbenzene	U		0.00169	0.00888	1.2	05/26/2024 01:34	WG2292331
Styrene	U		0.000407	0.0222	1.2	05/26/2024 01:34	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00169	0.00444	1.2	05/26/2024 01:34	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00123	0.00444	1.2	05/26/2024 01:34	WG2292331
1,1,2-Trichlorotrifluoroethane	U		0.00134	0.00444	1.2	05/26/2024 01:34	WG2292331
Tetrachloroethene	U		0.00160	0.00444	1.2	05/26/2024 01:34	WG2292331
Toluene	U		0.00231	0.00888	1.2	05/26/2024 01:34	WG2292331
1,2,3-Trichlorobenzene	U		0.0130	0.0222	1.2	05/26/2024 01:34	WG2292331
1,2,4-Trichlorobenzene	U		0.00781	0.0222	1.2	05/26/2024 01:34	WG2292331
1,1,1-Trichloroethane	U		0.00164	0.00444	1.2	05/26/2024 01:34	WG2292331
1,1,2-Trichloroethane	U		0.00106	0.00444	1.2	05/26/2024 01:34	WG2292331
Trichloroethene	U		0.00104	0.00178	1.2	05/27/2024 10:37	WG2293785
Trichlorofluoromethane	U		0.00147	0.00444	1.2	05/26/2024 01:34	WG2292331
1,2,3-Trichloropropane	U		0.00287	0.0222	1.2	05/26/2024 01:34	WG2292331
1,2,4-Trimethylbenzene	U		0.00281	0.00888	1.2	05/26/2024 01:34	WG2292331
1,2,3-Trimethylbenzene	U		0.00281	0.00888	1.2	05/26/2024 01:34	WG2292331
1,3,5-Trimethylbenzene	U		0.00355	0.00888	1.2	05/26/2024 01:34	WG2292331
Vinyl chloride	U		0.00206	0.00444	1.2	05/26/2024 01:34	WG2292331
Xylenes, Total	U		0.00157	0.0115	1.2	05/26/2024 01:34	WG2292331
(S) Toluene-d8	*102*			*75.0-131*		*05/26/2024 01:34*	WG2292331
(S) Toluene-d8	*107*			*75.0-131*		*05/27/2024 10:37*	WG2293785
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/26/2024 01:34*	WG2292331
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*05/27/2024 10:37*	WG2293785
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*05/26/2024 01:34*	WG2292331
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*05/27/2024 10:37*	WG2293785

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	5.99		0.925	5.05	1	05/24/2024 19:42	WG2292509
C22-C32 Hydrocarbons	8.74		1.68	5.05	1	05/24/2024 19:42	WG2292509
C32-C40 Hydrocarbons	2.81	J	1.68	5.05	1	05/24/2024 19:42	WG2292509
(S) o-Terphenyl	*73.4*			*18.0-148*		*05/24/2024 19:42*	WG2292509

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	05/22/2024 09:20	WG2290917

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0563	0.0771	1	05/26/2024 01:53	WG2292331
Acrylonitrile	U	J4	0.00557	0.0193	1	05/26/2024 01:53	WG2292331
Benzene	U		0.000720	0.00154	1	05/26/2024 01:53	WG2292331
Bromobenzene	U		0.00139	0.0193	1	05/26/2024 01:53	WG2292331
Bromodichloromethane	U		0.00112	0.00385	1	05/26/2024 01:53	WG2292331
Bromoform	U		0.00180	0.0385	1	05/26/2024 01:53	WG2292331
Bromomethane	U		0.00304	0.0193	1	05/26/2024 01:53	WG2292331
n-Butylbenzene	U		0.00810	0.0193	1	05/26/2024 01:53	WG2292331
sec-Butylbenzene	U		0.00444	0.0193	1	05/26/2024 01:53	WG2292331
tert-Butylbenzene	U		0.00301	0.00771	1	05/26/2024 01:53	WG2292331
Carbon tetrachloride	U		0.00138	0.00771	1	05/26/2024 01:53	WG2292331
Chlorobenzene	U		0.000324	0.00385	1	05/26/2024 01:53	WG2292331
Chlorodibromomethane	U		0.000944	0.00385	1	05/26/2024 01:53	WG2292331
Chloroethane	U		0.00262	0.00771	1	05/26/2024 01:53	WG2292331
Chloroform	U		0.00159	0.00385	1	05/26/2024 01:53	WG2292331
Chloromethane	U		0.00671	0.0193	1	05/26/2024 01:53	WG2292331
2-Chlorotoluene	U		0.00133	0.00385	1	05/26/2024 01:53	WG2292331
4-Chlorotoluene	U		0.000694	0.00771	1	05/26/2024 01:53	WG2292331
1,2-Dibromo-3-Chloropropane	U		0.00601	0.0385	1	05/26/2024 01:53	WG2292331
1,2-Dibromoethane	U		0.000999	0.00385	1	05/26/2024 01:53	WG2292331
Dibromomethane	U		0.00116	0.00771	1	05/26/2024 01:53	WG2292331
1,2-Dichlorobenzene	U		0.000655	0.00771	1	05/26/2024 01:53	WG2292331
1,3-Dichlorobenzene	U		0.000925	0.00771	1	05/26/2024 01:53	WG2292331
1,4-Dichlorobenzene	U		0.00108	0.00771	1	05/26/2024 01:53	WG2292331
Dichlorodifluoromethane	U		0.00248	0.00771	1	05/26/2024 01:53	WG2292331
1,1-Dichloroethane	U		0.000757	0.00385	1	05/26/2024 01:53	WG2292331
1,2-Dichloroethane	U		0.00100	0.00385	1	05/26/2024 01:53	WG2292331
1,1-Dichloroethene	U		0.000934	0.00385	1	05/26/2024 01:53	WG2292331
cis-1,2-Dichloroethene	U		0.00113	0.00385	1	05/26/2024 01:53	WG2292331
trans-1,2-Dichloroethene	U		0.00160	0.00771	1	05/26/2024 01:53	WG2292331
1,2-Dichloropropane	U		0.00219	0.00771	1	05/26/2024 01:53	WG2292331
1,1-Dichloropropene	U		0.00125	0.00385	1	05/26/2024 01:53	WG2292331
1,3-Dichloropropane	U		0.000773	0.00771	1	05/26/2024 01:53	WG2292331
cis-1,3-Dichloropropene	U		0.00117	0.00385	1	05/26/2024 01:53	WG2292331
trans-1,3-Dichloropropene	U		0.00176	0.00771	1	05/26/2024 01:53	WG2292331
2,2-Dichloropropane	U		0.00213	0.00385	1	05/26/2024 01:53	WG2292331
Di-isopropyl ether	U		0.000632	0.00154	1	05/26/2024 01:53	WG2292331
Ethylbenzene	U		0.00114	0.00385	1	05/26/2024 01:53	WG2292331
Hexachloro-1,3-butadiene	U	J3	0.00925	0.0385	1	05/26/2024 01:53	WG2292331
Isopropylbenzene	U		0.000655	0.00385	1	05/26/2024 01:53	WG2292331
p-Isopropyltoluene	U		0.00393	0.00771	1	05/26/2024 01:53	WG2292331
2-Butanone (MEK)	U	J4	0.0979	0.154	1	05/26/2024 01:53	WG2292331
Methylene Chloride	U		0.0102	0.0385	1	05/26/2024 01:53	WG2292331
4-Methyl-2-pentanone (MIBK)	U		0.00352	0.0385	1	05/26/2024 01:53	WG2292331
Methyl tert-butyl ether	U		0.000540	0.00154	1	05/26/2024 01:53	WG2292331
Naphthalene	U		0.00752	0.0193	1	05/26/2024 01:53	WG2292331
n-Propylbenzene	U		0.00146	0.00771	1	05/26/2024 01:53	WG2292331
Styrene	U		0.000353	0.0193	1	05/26/2024 01:53	WG2292331
1,1,1,2-Tetrachloroethane	U		0.00146	0.00385	1	05/26/2024 01:53	WG2292331
1,1,2,2-Tetrachloroethane	U		0.00107	0.00385	1	05/26/2024 01:53	WG2292331

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00385	1	05/26/2024 01:53	WG2292331
Tetrachloroethene	U		0.00138	0.00385	1	05/26/2024 01:53	WG2292331
Toluene	U		0.00200	0.00771	1	05/26/2024 01:53	WG2292331
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1	05/26/2024 01:53	WG2292331
1,2,4-Trichlorobenzene	U		0.00678	0.0193	1	05/26/2024 01:53	WG2292331
1,1,1-Trichloroethane	U		0.00142	0.00385	1	05/26/2024 01:53	WG2292331
1,1,2-Trichloroethane	U		0.000921	0.00385	1	05/26/2024 01:53	WG2292331
Trichloroethene	U		0.000900	0.00154	1	05/26/2024 01:53	WG2292331
Trichlorofluoromethane	U		0.00128	0.00385	1	05/26/2024 01:53	WG2292331
1,2,3-Trichloropropane	U		0.00250	0.0193	1	05/26/2024 01:53	WG2292331
1,2,4-Trimethylbenzene	U		0.00244	0.00771	1	05/26/2024 01:53	WG2292331
1,2,3-Trimethylbenzene	U		0.00244	0.00771	1	05/26/2024 01:53	WG2292331
1,3,5-Trimethylbenzene	U		0.00308	0.00771	1	05/26/2024 01:53	WG2292331
Vinyl chloride	U		0.00179	0.00385	1	05/26/2024 01:53	WG2292331
Xylenes, Total	U		0.00136	0.0100	1	05/26/2024 01:53	WG2292331
(S) Toluene-d8	*101*			*75.0-131*		*05/26/2024 01:53*	WG2292331
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/26/2024 01:53*	WG2292331
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*05/26/2024 01:53*	WG2292331

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.118		0.0218	0.0484	1	05/27/2024 13:55	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.658	2.42	1	06/01/2024 19:00	WG2293711
Arsenic	3.15		0.627	2.42	1	06/01/2024 19:00	WG2293711
Barium	66.1		0.103	0.605	1	06/01/2024 19:00	WG2293711
Beryllium	0.188	J	0.0381	0.242	1	06/01/2024 19:00	WG2293711
Cadmium	0.152	J	0.0570	0.605	1	06/01/2024 19:00	WG2293711
Chromium	13.9		0.161	1.21	1	06/01/2024 19:00	WG2293711
Cobalt	7.60		0.0981	1.21	1	06/01/2024 19:00	WG2293711
Copper	44.6		0.484	2.42	1	06/01/2024 19:00	WG2293711
Lead	40.8		0.252	0.605	1	06/01/2024 19:00	WG2293711
Molybdenum	0.479	J	0.132	0.605	1	06/01/2024 19:00	WG2293711
Nickel	22.5		0.160	2.42	1	06/01/2024 19:00	WG2293711
Selenium	U		0.925	2.42	1	06/01/2024 19:00	WG2293711
Silver	0.500	J	0.154	1.21	1	06/01/2024 19:00	WG2293711
Thallium	1.67	J	0.477	2.42	1	06/01/2024 19:00	WG2293711
Vanadium	28.4		0.612	2.42	1	06/01/2024 19:00	WG2293711
Zinc	68.4		1.01	6.05	1	06/01/2024 19:00	WG2293711

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0143	0.0411	1	05/28/2024 12:31	WG2294060
PCB 1221	U		0.0143	0.0411	1	05/28/2024 12:31	WG2294060
PCB 1232	U		0.0143	0.0411	1	05/28/2024 12:31	WG2294060
PCB 1242	U		0.0143	0.0411	1	05/28/2024 12:31	WG2294060
PCB 1248	U		0.00893	0.0206	1	05/28/2024 12:31	WG2294060
PCB 1254	U		0.00893	0.0206	1	05/28/2024 12:31	WG2294060
PCB 1260	U		0.00893	0.0206	1	05/28/2024 12:31	WG2294060
(S) Decachlorobiphenyl	*52.0*			*10.0-135*		*05/28/2024 12:31*	WG2294060
(S) Tetrachloro-m-xylene	*58.1*			*10.0-139*		*05/28/2024 12:31*	WG2294060

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0131	0.0806	2	05/31/2024 00:22	WG2294807
Acenaphthylene	U		0.0114	0.0806	2	05/31/2024 00:22	WG2294807
Anthracene	U		0.0144	0.0806	2	05/31/2024 00:22	WG2294807
Benzidine	U		0.151	4.04	2	05/31/2024 00:22	WG2294807
Benzo(a)anthracene	0.0318	J	0.0142	0.0806	2	05/31/2024 00:22	WG2294807
Benzo(b)fluoranthene	0.0315	J	0.0150	0.0806	2	05/31/2024 00:22	WG2294807
Benzo(k)fluoranthene	U		0.0143	0.0806	2	05/31/2024 00:22	WG2294807
Benzo(g,h,i)perylene	0.0201	J	0.0148	0.0806	2	05/31/2024 00:22	WG2294807
Benzo(a)pyrene	0.0298	J	0.0150	0.0806	2	05/31/2024 00:22	WG2294807
Bis(2-chlorethoxy)methane	U		0.0242	0.806	2	05/31/2024 00:22	WG2294807
Bis(2-chloroethyl)ether	U		0.0266	0.806	2	05/31/2024 00:22	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0349	0.806	2	05/31/2024 00:22	WG2294807
4-Bromophenyl-phenylether	U		0.0283	0.806	2	05/31/2024 00:22	WG2294807
2-Chloronaphthalene	U		0.0142	0.0806	2	05/31/2024 00:22	WG2294807
4-Chlorophenyl-phenylether	U		0.0281	0.806	2	05/31/2024 00:22	WG2294807
Chrysene	0.0317	J	0.0160	0.0806	2	05/31/2024 00:22	WG2294807
Dibenz(a,h)anthracene	U		0.0224	0.0806	2	05/31/2024 00:22	WG2294807
1,2-Dichlorobenzene	U		0.0238	0.806	2	05/31/2024 00:22	WG2294807
1,3-Dichlorobenzene	U		0.0244	0.806	2	05/31/2024 00:22	WG2294807
1,4-Dichlorobenzene	U		0.0240	0.806	2	05/31/2024 00:22	WG2294807
3,3-Dichlorobenzidine	U		0.0298	0.806	2	05/31/2024 00:22	WG2294807
2,4-Dinitrotoluene	U		0.0231	0.806	2	05/31/2024 00:22	WG2294807
2,6-Dinitrotoluene	U		0.0264	0.806	2	05/31/2024 00:22	WG2294807
Fluoranthene	0.0650	J	0.0145	0.0806	2	05/31/2024 00:22	WG2294807
Fluorene	U		0.0131	0.0806	2	05/31/2024 00:22	WG2294807
Hexachlorobenzene	U		0.0286	0.806	2	05/31/2024 00:22	WG2294807
Hexachloro-1,3-butadiene	U		0.0271	0.806	2	05/31/2024 00:22	WG2294807
Hexachlorocyclopentadiene	U		0.0424	0.806	2	05/31/2024 00:22	WG2294807
Hexachloroethane	U		0.0317	0.806	2	05/31/2024 00:22	WG2294807
Indeno(1,2,3-cd)pyrene	0.0229	J	0.0227	0.0806	2	05/31/2024 00:22	WG2294807
Isophorone	U		0.0247	0.806	2	05/31/2024 00:22	WG2294807
Naphthalene	U		0.0202	0.0806	2	05/31/2024 00:22	WG2294807
Nitrobenzene	U		0.0281	0.806	2	05/31/2024 00:22	WG2294807
n-Nitrosodimethylamine	U		0.120	0.806	2	05/31/2024 00:22	WG2294807
n-Nitrosodiphenylamine	U		0.0610	0.806	2	05/31/2024 00:22	WG2294807
n-Nitrosodi-n-propylamine	U		0.0269	0.806	2	05/31/2024 00:22	WG2294807
Phenanthrene	0.0273	J	0.0160	0.0806	2	05/31/2024 00:22	WG2294807
Benzylbutyl phthalate	U		0.0252	0.806	2	05/31/2024 00:22	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.102	0.806	2	05/31/2024 00:22	WG2294807
Di-n-butyl phthalate	U		0.0276	0.806	2	05/31/2024 00:22	WG2294807
Diethyl phthalate	U		0.0266	0.806	2	05/31/2024 00:22	WG2294807
Dimethyl phthalate	U		0.171	0.806	2	05/31/2024 00:22	WG2294807
Di-n-octyl phthalate	U		0.0545	0.806	2	05/31/2024 00:22	WG2294807
Pyrene	0.0598	J	0.0157	0.0806	2	05/31/2024 00:22	WG2294807
1,2,4-Trichlorobenzene	U		0.0252	0.806	2	05/31/2024 00:22	WG2294807
4-Chloro-3-methylphenol	U		0.0261	0.806	2	05/31/2024 00:22	WG2294807
2-Chlorophenol	U		0.0266	0.806	2	05/31/2024 00:22	WG2294807
2,4-Dichlorophenol	U		0.0235	0.806	2	05/31/2024 00:22	WG2294807
2,4-Dimethylphenol	U		0.0211	0.806	2	05/31/2024 00:22	WG2294807
4,6-Dinitro-2-methylphenol	U		0.183	0.806	2	05/31/2024 00:22	WG2294807
2,4-Dinitrophenol	U		0.189	0.806	2	05/31/2024 00:22	WG2294807
2-Nitrophenol	U		0.0288	0.806	2	05/31/2024 00:22	WG2294807
4-Nitrophenol	U		0.0252	0.806	2	05/31/2024 00:22	WG2294807
Pentachlorophenol	U		0.0217	0.806	2	05/31/2024 00:22	WG2294807
Phenol	U		0.0324	0.806	2	05/31/2024 00:22	WG2294807
2,4,6-Trichlorophenol	U		0.0259	0.806	2	05/31/2024 00:22	WG2294807
(S) 2-Fluorophenol	*78.1*			*12.0-120*		*05/31/2024 00:22*	WG2294807
(S) Phenol-d5	*74.2*			*10.0-120*		*05/31/2024 00:22*	WG2294807
(S) Nitrobenzene-d5	*63.0*			*10.0-122*		*05/31/2024 00:22*	WG2294807
(S) 2-Fluorobiphenyl	*75.0*			*15.0-120*		*05/31/2024 00:22*	WG2294807
(S) 2,4,6-Tribromophenol	*77.5*			*10.0-127*		*05/31/2024 00:22*	WG2294807
(S) p-Terphenyl-d14	*82.7*			*10.0-120*		*05/31/2024 00:22*	WG2294807

Sample Narrative:

L1738627-30 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.150		0.0210	0.0467	1	05/26/2024 22:05	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.51		0.635	2.33	1	05/30/2024 17:19	WG2293709
Arsenic	6.20		0.604	2.33	1	05/30/2024 17:19	WG2293709
Barium	160		0.0994	0.583	1	05/30/2024 17:19	WG2293709
Beryllium	0.467		0.0368	0.233	1	05/30/2024 17:19	WG2293709
Cadmium	0.174	J	0.0550	0.583	1	05/30/2024 17:19	WG2293709
Chromium	32.2		0.155	1.17	1	05/30/2024 17:19	WG2293709
Cobalt	12.4		0.0946	1.17	1	05/30/2024 17:19	WG2293709
Copper	34.8	J5	0.467	2.33	1	05/30/2024 17:19	WG2293709
Lead	59.1		0.243	0.583	1	05/30/2024 17:19	WG2293709
Molybdenum	0.156	J	0.127	0.583	1	05/30/2024 17:19	WG2293709
Nickel	41.2		0.154	2.33	1	05/30/2024 17:19	WG2293709
Selenium	U		0.891	2.33	1	05/30/2024 17:19	WG2293709
Silver	U		0.148	1.17	1	05/30/2024 17:19	WG2293709
Thallium	U		0.460	2.33	1	05/30/2024 17:19	WG2293709
Vanadium	59.6		0.590	2.33	1	05/30/2024 17:19	WG2293709
Zinc	98.9		0.971	5.83	1	05/30/2024 17:19	WG2293709

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0494	0.0676	1	05/28/2024 01:11	WG2293465
Acrylonitrile	U		0.00488	0.0169	1	05/28/2024 01:11	WG2293465
Benzene	U		0.000632	0.00135	1	05/28/2024 01:11	WG2293465
Bromobenzene	U		0.00122	0.0169	1	05/28/2024 01:11	WG2293465
Bromodichloromethane	U		0.000980	0.00338	1	05/28/2024 01:11	WG2293465
Bromoform	U		0.00158	0.0338	1	05/28/2024 01:11	WG2293465
Bromomethane	U		0.00266	0.0169	1	05/28/2024 01:11	WG2293465
n-Butylbenzene	U		0.00710	0.0169	1	05/28/2024 01:11	WG2293465
sec-Butylbenzene	U		0.00389	0.0169	1	05/28/2024 01:11	WG2293465
tert-Butylbenzene	U		0.00264	0.00676	1	05/28/2024 01:11	WG2293465
Carbon tetrachloride	U		0.00121	0.00676	1	05/28/2024 01:11	WG2293465
Chlorobenzene	U		0.000284	0.00338	1	05/28/2024 01:11	WG2293465
Chlorodibromomethane	U		0.000828	0.00338	1	05/28/2024 01:11	WG2293465
Chloroethane	U		0.00230	0.00676	1	05/28/2024 01:11	WG2293465
Chloroform	U		0.00139	0.00338	1	05/28/2024 01:11	WG2293465
Chloromethane	U		0.00588	0.0169	1	05/28/2024 01:11	WG2293465
2-Chlorotoluene	U		0.00117	0.00338	1	05/28/2024 01:11	WG2293465
4-Chlorotoluene	U	J4	0.000609	0.00676	1	05/28/2024 01:11	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00527	0.0338	1	05/28/2024 01:11	WG2293465
1,2-Dibromoethane	U		0.000876	0.00338	1	05/28/2024 01:11	WG2293465
Dibromomethane	U		0.00101	0.00676	1	05/28/2024 01:11	WG2293465
1,2-Dichlorobenzene	U		0.000575	0.00676	1	05/28/2024 01:11	WG2293465
1,3-Dichlorobenzene	U		0.000811	0.00676	1	05/28/2024 01:11	WG2293465
1,4-Dichlorobenzene	U		0.000947	0.00676	1	05/28/2024 01:11	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00218	0.00676	1	05/28/2024 01:11	WG2293465
1,1-Dichloroethane	U		0.000664	0.00338	1	05/28/2024 01:11	WG2293465
1,2-Dichloroethane	U		0.000878	0.00338	1	05/28/2024 01:11	WG2293465
1,1-Dichloroethene	U		0.000819	0.00338	1	05/28/2024 01:11	WG2293465
cis-1,2-Dichloroethene	U		0.000993	0.00338	1	05/28/2024 01:11	WG2293465
trans-1,2-Dichloroethene	U		0.00141	0.00676	1	05/28/2024 01:11	WG2293465
1,2-Dichloropropane	U		0.00192	0.00676	1	05/28/2024 01:11	WG2293465
1,1-Dichloropropene	U		0.00109	0.00338	1	05/28/2024 01:11	WG2293465
1,3-Dichloropropane	U		0.000677	0.00676	1	05/28/2024 01:11	WG2293465
cis-1,3-Dichloropropene	U		0.00102	0.00338	1	05/28/2024 01:11	WG2293465
trans-1,3-Dichloropropene	U		0.00154	0.00676	1	05/28/2024 01:11	WG2293465
2,2-Dichloropropane	U		0.00187	0.00338	1	05/28/2024 01:11	WG2293465
Di-isopropyl ether	U		0.000554	0.00135	1	05/28/2024 01:11	WG2293465
Ethylbenzene	U		0.000997	0.00338	1	05/28/2024 01:11	WG2293465
Hexachloro-1,3-butadiene	U		0.00811	0.0338	1	05/28/2024 01:11	WG2293465
Isopropylbenzene	U		0.000575	0.00338	1	05/28/2024 01:11	WG2293465
p-Isopropyltoluene	U		0.00345	0.00676	1	05/28/2024 01:11	WG2293465
2-Butanone (MEK)	U	J4	0.0859	0.135	1	05/28/2024 01:11	WG2293465
Methylene Chloride	U		0.00898	0.0338	1	05/28/2024 01:11	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00308	0.0338	1	05/28/2024 01:11	WG2293465
Methyl tert-butyl ether	U		0.000473	0.00135	1	05/28/2024 01:11	WG2293465
Naphthalene	U	J3	0.00660	0.0169	1	05/28/2024 01:11	WG2293465
n-Propylbenzene	U		0.00128	0.00676	1	05/28/2024 01:11	WG2293465
Styrene	U		0.000310	0.0169	1	05/28/2024 01:11	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00128	0.00338	1	05/28/2024 01:11	WG2293465
1,1,2,2-Tetrachloroethane	U		0.000940	0.00338	1	05/28/2024 01:11	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00338	1	05/28/2024 01:11	WG2293465
Tetrachloroethene	U		0.00121	0.00338	1	05/28/2024 01:11	WG2293465
Toluene	U		0.00176	0.00676	1	05/28/2024 01:11	WG2293465
1,2,3-Trichlorobenzene	U		0.00991	0.0169	1	05/28/2024 01:11	WG2293465
1,2,4-Trichlorobenzene	U		0.00595	0.0169	1	05/28/2024 01:11	WG2293465
1,1,1-Trichloroethane	U		0.00125	0.00338	1	05/28/2024 01:11	WG2293465
1,1,2-Trichloroethane	U		0.000807	0.00338	1	05/28/2024 01:11	WG2293465
Trichloroethene	U		0.000790	0.00135	1	05/28/2024 01:11	WG2293465
Trichlorofluoromethane	U		0.00112	0.00338	1	05/28/2024 01:11	WG2293465
1,2,3-Trichloropropane	U		0.00219	0.0169	1	05/28/2024 01:11	WG2293465
1,2,4-Trimethylbenzene	U		0.00214	0.00676	1	05/28/2024 01:11	WG2293465
1,2,3-Trimethylbenzene	U		0.00214	0.00676	1	05/28/2024 01:11	WG2293465
1,3,5-Trimethylbenzene	U		0.00270	0.00676	1	05/28/2024 01:11	WG2293465
Vinyl chloride	U		0.00157	0.00338	1	05/28/2024 01:11	WG2293465
Xylenes, Total	U		0.00119	0.00879	1	05/28/2024 01:11	WG2293465
(S) Toluene-d8	*98.6*			*75.0-131*		*05/28/2024 01:11*	WG2293465
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/28/2024 01:11*	WG2293465
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*05/28/2024 01:11*	WG2293465

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0126	0.0777	2	05/30/2024 23:57	WG2294807
Acenaphthylene	U		0.0109	0.0777	2	05/30/2024 23:57	WG2294807
Anthracene	U		0.0139	0.0777	2	05/30/2024 23:57	WG2294807
Benzidine	U		0.146	3.90	2	05/30/2024 23:57	WG2294807
Benzo(a)anthracene	U		0.0137	0.0777	2	05/30/2024 23:57	WG2294807
Benzo(b)fluoranthene	U		0.0145	0.0777	2	05/30/2024 23:57	WG2294807
Benzo(k)fluoranthene	U		0.0138	0.0777	2	05/30/2024 23:57	WG2294807
Benzo(g,h,i)perylene	U		0.0142	0.0777	2	05/30/2024 23:57	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.0145	0.0777	2	05/30/2024 23:57	WG2294807
Bis(2-chlorethoxy)methane	U		0.0233	0.777	2	05/30/2024 23:57	WG2294807
Bis(2-chloroethyl)ether	U		0.0257	0.777	2	05/30/2024 23:57	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.0336	0.777	2	05/30/2024 23:57	WG2294807
4-Bromophenyl-phenylether	U		0.0273	0.777	2	05/30/2024 23:57	WG2294807
2-Chloronaphthalene	U		0.0137	0.0777	2	05/30/2024 23:57	WG2294807
4-Chlorophenyl-phenylether	U		0.0271	0.777	2	05/30/2024 23:57	WG2294807
Chrysene	U		0.0154	0.0777	2	05/30/2024 23:57	WG2294807
Dibenz(a,h)anthracene	U		0.0216	0.0777	2	05/30/2024 23:57	WG2294807
1,2-Dichlorobenzene	U		0.0230	0.777	2	05/30/2024 23:57	WG2294807
1,3-Dichlorobenzene	U		0.0236	0.777	2	05/30/2024 23:57	WG2294807
1,4-Dichlorobenzene	U		0.0231	0.777	2	05/30/2024 23:57	WG2294807
3,3-Dichlorobenzidine	U		0.0287	0.777	2	05/30/2024 23:57	WG2294807
2,4-Dinitrotoluene	U		0.0223	0.777	2	05/30/2024 23:57	WG2294807
2,6-Dinitrotoluene	U		0.0254	0.777	2	05/30/2024 23:57	WG2294807
Fluoranthene	U		0.0140	0.0777	2	05/30/2024 23:57	WG2294807
Fluorene	U		0.0126	0.0777	2	05/30/2024 23:57	WG2294807
Hexachlorobenzene	U		0.0275	0.777	2	05/30/2024 23:57	WG2294807
Hexachloro-1,3-butadiene	U		0.0261	0.777	2	05/30/2024 23:57	WG2294807
Hexachlorocyclopentadiene	U		0.0408	0.777	2	05/30/2024 23:57	WG2294807
Hexachloroethane	U		0.0306	0.777	2	05/30/2024 23:57	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.0219	0.0777	2	05/30/2024 23:57	WG2294807
Isophorone	U		0.0238	0.777	2	05/30/2024 23:57	WG2294807
Naphthalene	U		0.0195	0.0777	2	05/30/2024 23:57	WG2294807
Nitrobenzene	U		0.0271	0.777	2	05/30/2024 23:57	WG2294807
n-Nitrosodimethylamine	U		0.115	0.777	2	05/30/2024 23:57	WG2294807
n-Nitrosodiphenylamine	U		0.0588	0.777	2	05/30/2024 23:57	WG2294807
n-Nitrosodi-n-propylamine	U		0.0259	0.777	2	05/30/2024 23:57	WG2294807
Phenanthrene	U		0.0154	0.0777	2	05/30/2024 23:57	WG2294807
Benzylbutyl phthalate	U		0.0243	0.777	2	05/30/2024 23:57	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.0985	0.777	2	05/30/2024 23:57	WG2294807
Di-n-butyl phthalate	U		0.0266	0.777	2	05/30/2024 23:57	WG2294807
Diethyl phthalate	U		0.0257	0.777	2	05/30/2024 23:57	WG2294807
Dimethyl phthalate	U		0.165	0.777	2	05/30/2024 23:57	WG2294807
Di-n-octyl phthalate	U		0.0525	0.777	2	05/30/2024 23:57	WG2294807
Pyrene	U		0.0152	0.0777	2	05/30/2024 23:57	WG2294807
1,2,4-Trichlorobenzene	U		0.0243	0.777	2	05/30/2024 23:57	WG2294807
4-Chloro-3-methylphenol	U		0.0252	0.777	2	05/30/2024 23:57	WG2294807
2-Chlorophenol	U		0.0257	0.777	2	05/30/2024 23:57	WG2294807
2,4-Dichlorophenol	U		0.0226	0.777	2	05/30/2024 23:57	WG2294807
2,4-Dimethylphenol	U		0.0203	0.777	2	05/30/2024 23:57	WG2294807
4,6-Dinitro-2-methylphenol	U		0.176	0.777	2	05/30/2024 23:57	WG2294807
2,4-Dinitrophenol	U		0.182	0.777	2	05/30/2024 23:57	WG2294807
2-Nitrophenol	U		0.0278	0.777	2	05/30/2024 23:57	WG2294807
4-Nitrophenol	U		0.0243	0.777	2	05/30/2024 23:57	WG2294807
Pentachlorophenol	U		0.0209	0.777	2	05/30/2024 23:57	WG2294807
Phenol	U		0.0313	0.777	2	05/30/2024 23:57	WG2294807
2,4,6-Trichlorophenol	U		0.0250	0.777	2	05/30/2024 23:57	WG2294807
(S) 2-Fluorophenol	*83.4*			*12.0-120*		*05/30/2024 23:57*	WG2294807
(S) Phenol-d5	*80.6*			*10.0-120*		*05/30/2024 23:57*	WG2294807
(S) Nitrobenzene-d5	*65.2*			*10.0-122*		*05/30/2024 23:57*	WG2294807
(S) 2-Fluorobiphenyl	*83.7*			*15.0-120*		*05/30/2024 23:57*	WG2294807
(S) 2,4,6-Tribromophenol	*90.1*			*10.0-127*		*05/30/2024 23:57*	WG2294807
(S) p-Terphenyl-d14	*94.4*			*10.0-120*		*05/30/2024 23:57*	WG2294807

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1738627-31 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.5		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0948		0.0232	0.0516	1	05/27/2024 13:57	WG2293349

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.702	2.58	1	06/01/2024 19:01	WG2293711
Arsenic	3.21		0.668	2.58	1	06/01/2024 19:01	WG2293711
Barium	185		0.110	0.645	1	06/01/2024 19:01	WG2293711
Beryllium	0.491		0.0406	0.258	1	06/01/2024 19:01	WG2293711
Cadmium	U		0.0608	0.645	1	06/01/2024 19:01	WG2293711
Chromium	24.8		0.172	1.29	1	06/01/2024 19:01	WG2293711
Cobalt	13.7		0.105	1.29	1	06/01/2024 19:01	WG2293711
Copper	18.5		0.516	2.58	1	06/01/2024 19:01	WG2293711
Lead	16.2		0.268	0.645	1	06/01/2024 19:01	WG2293711
Molybdenum	U		0.141	0.645	1	06/01/2024 19:01	WG2293711
Nickel	44.9		0.170	2.58	1	06/01/2024 19:01	WG2293711
Selenium	U		0.986	2.58	1	06/01/2024 19:01	WG2293711
Silver	0.608	J	0.164	1.29	1	06/01/2024 19:01	WG2293711
Thallium	1.21	J	0.508	2.58	1	06/01/2024 19:01	WG2293711
Vanadium	35.6		0.653	2.58	1	06/01/2024 19:01	WG2293711
Zinc	40.9		1.07	6.45	1	06/01/2024 19:01	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.82	B J	1.35	4.08	26	05/26/2024 03:59	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*05/26/2024 03:59*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0596	0.0815	1.04	05/28/2024 01:30	WG2293465
Acrylonitrile	U		0.00588	0.0204	1.04	05/28/2024 01:30	WG2293465
Benzene	U		0.000762	0.00163	1.04	05/28/2024 01:30	WG2293465
Bromobenzene	U		0.00147	0.0204	1.04	05/28/2024 01:30	WG2293465
Bromodichloromethane	U		0.00118	0.00408	1.04	05/28/2024 01:30	WG2293465
Bromoform	U		0.00191	0.0408	1.04	05/28/2024 01:30	WG2293465
Bromomethane	U		0.00321	0.0204	1.04	05/28/2024 01:30	WG2293465
n-Butylbenzene	U		0.00856	0.0204	1.04	05/28/2024 01:30	WG2293465
sec-Butylbenzene	U		0.00470	0.0204	1.04	05/28/2024 01:30	WG2293465
tert-Butylbenzene	U		0.00318	0.00815	1.04	05/28/2024 01:30	WG2293465
Carbon tetrachloride	U		0.00146	0.00815	1.04	05/28/2024 01:30	WG2293465
Chlorobenzene	U		0.000342	0.00408	1.04	05/28/2024 01:30	WG2293465
Chlorodibromomethane	U		0.000997	0.00408	1.04	05/28/2024 01:30	WG2293465
Chloroethane	U		0.00278	0.00815	1.04	05/28/2024 01:30	WG2293465
Chloroform	U		0.00168	0.00408	1.04	05/28/2024 01:30	WG2293465
Chloromethane	U		0.00709	0.0204	1.04	05/28/2024 01:30	WG2293465
2-Chlorotoluene	U		0.00141	0.00408	1.04	05/28/2024 01:30	WG2293465
4-Chlorotoluene	U	J4	0.000734	0.00815	1.04	05/28/2024 01:30	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00637	0.0408	1.04	05/28/2024 01:30	WG2293465
1,2-Dibromoethane	U		0.00106	0.00408	1.04	05/28/2024 01:30	WG2293465
Dibromomethane	U		0.00122	0.00815	1.04	05/28/2024 01:30	WG2293465
1,2-Dichlorobenzene	U		0.000693	0.00815	1.04	05/28/2024 01:30	WG2293465
1,3-Dichlorobenzene	U		0.000978	0.00815	1.04	05/28/2024 01:30	WG2293465
1,4-Dichlorobenzene	U		0.00114	0.00815	1.04	05/28/2024 01:30	WG2293465
Dichlorodifluoromethane	U		0.00262	0.00815	1.04	05/28/2024 01:30	WG2293465
1,1-Dichloroethane	U		0.000801	0.00408	1.04	05/28/2024 01:30	WG2293465
1,2-Dichloroethane	U		0.00106	0.00408	1.04	05/28/2024 01:30	WG2293465
1,1-Dichloroethene	U		0.000988	0.00408	1.04	05/28/2024 01:30	WG2293465
cis-1,2-Dichloroethene	U		0.00120	0.00408	1.04	05/28/2024 01:30	WG2293465
trans-1,2-Dichloroethene	U		0.00169	0.00815	1.04	05/28/2024 01:30	WG2293465
1,2-Dichloropropane	U		0.00232	0.00815	1.04	05/28/2024 01:30	WG2293465
1,1-Dichloropropene	U		0.00132	0.00408	1.04	05/28/2024 01:30	WG2293465
1,3-Dichloropropane	U		0.000817	0.00815	1.04	05/28/2024 01:30	WG2293465
cis-1,3-Dichloropropene	U		0.00123	0.00408	1.04	05/28/2024 01:30	WG2293465
trans-1,3-Dichloropropene	U		0.00187	0.00815	1.04	05/28/2024 01:30	WG2293465
2,2-Dichloropropane	U		0.00226	0.00408	1.04	05/28/2024 01:30	WG2293465
Di-isopropyl ether	U		0.000668	0.00163	1.04	05/28/2024 01:30	WG2293465
Ethylbenzene	U		0.00120	0.00408	1.04	05/28/2024 01:30	WG2293465
Hexachloro-1,3-butadiene	U		0.00978	0.0408	1.04	05/28/2024 01:30	WG2293465
Isopropylbenzene	U		0.000693	0.00408	1.04	05/28/2024 01:30	WG2293465
p-Isopropyltoluene	U		0.00415	0.00815	1.04	05/28/2024 01:30	WG2293465
2-Butanone (MEK)	U	J4	0.103	0.163	1.04	05/28/2024 01:30	WG2293465
Methylene Chloride	U		0.0108	0.0408	1.04	05/28/2024 01:30	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00372	0.0408	1.04	05/28/2024 01:30	WG2293465
Methyl tert-butyl ether	U		0.000571	0.00163	1.04	05/28/2024 01:30	WG2293465
Naphthalene	U	J3	0.00796	0.0204	1.04	05/28/2024 01:30	WG2293465
n-Propylbenzene	U		0.00155	0.00815	1.04	05/28/2024 01:30	WG2293465
Styrene	U		0.000373	0.0204	1.04	05/28/2024 01:30	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00155	0.00408	1.04	05/28/2024 01:30	WG2293465
1,1,2,2-Tetrachloroethane	U		0.00113	0.00408	1.04	05/28/2024 01:30	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00408	1.04	05/28/2024 01:30	WG2293465
Tetrachloroethene	U		0.00146	0.00408	1.04	05/28/2024 01:30	WG2293465
Toluene	U		0.00212	0.00815	1.04	05/28/2024 01:30	WG2293465
1,2,3-Trichlorobenzene	U		0.0119	0.0204	1.04	05/28/2024 01:30	WG2293465
1,2,4-Trichlorobenzene	U		0.00718	0.0204	1.04	05/28/2024 01:30	WG2293465
1,1,1-Trichloroethane	U		0.00151	0.00408	1.04	05/28/2024 01:30	WG2293465
1,1,2-Trichloroethane	U		0.000974	0.00408	1.04	05/28/2024 01:30	WG2293465
Trichloroethene	U		0.000952	0.00163	1.04	05/28/2024 01:30	WG2293465
Trichlorofluoromethane	U		0.00135	0.00408	1.04	05/28/2024 01:30	WG2293465
1,2,3-Trichloropropane	U		0.00263	0.0204	1.04	05/28/2024 01:30	WG2293465
1,2,4-Trimethylbenzene	U		0.00257	0.00815	1.04	05/28/2024 01:30	WG2293465
1,2,3-Trimethylbenzene	U		0.00257	0.00815	1.04	05/28/2024 01:30	WG2293465
1,3,5-Trimethylbenzene	U		0.00326	0.00815	1.04	05/28/2024 01:30	WG2293465
Vinyl chloride	U		0.00190	0.00408	1.04	05/28/2024 01:30	WG2293465
Xylenes, Total	U		0.00143	0.0106	1.04	05/28/2024 01:30	WG2293465
(S) Toluene-d8	*99.3*			*75.0-131*		*05/28/2024 01:30*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/28/2024 01:30*	WG2293465
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*05/28/2024 01:30*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.78	J	4.73	25.8	5	05/30/2024 19:11	WG2295238
C22-C32 Hydrocarbons	75.0		8.58	25.8	5	05/30/2024 19:11	WG2295238
C32-C40 Hydrocarbons	61.0		8.58	25.8	5	05/30/2024 19:11	WG2295238
(S) o-Terphenyl	*62.6*			*18.0-148*		*05/30/2024 19:11*	WG2295238

Sample Narrative:

L1738627-32 WG2295238: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0695	0.430	10	05/31/2024 04:02	WG2294807
Acenaphthylene	U		0.0605	0.430	10	05/31/2024 04:02	WG2294807
Anthracene	U		0.0765	0.430	10	05/31/2024 04:02	WG2294807
Benzidine	U		0.808	21.5	10	05/31/2024 04:02	WG2294807
Benzo(a)anthracene	U		0.0757	0.430	10	05/31/2024 04:02	WG2294807
Benzo(b)fluoranthene	U		0.0801	0.430	10	05/31/2024 04:02	WG2294807
Benzo(k)fluoranthene	U		0.0764	0.430	10	05/31/2024 04:02	WG2294807
Benzo(g,h,i)perylene	U		0.0786	0.430	10	05/31/2024 04:02	WG2294807
Benzo(a)pyrene	U		0.0799	0.430	10	05/31/2024 04:02	WG2294807
Bis(2-chlorethoxy)methane	U		0.129	4.30	10	05/31/2024 04:02	WG2294807
Bis(2-chloroethyl)ether	U		0.142	4.30	10	05/31/2024 04:02	WG2294807
2,2-Oxybis(1-Chloropropane)	U		0.186	4.30	10	05/31/2024 04:02	WG2294807
4-Bromophenyl-phenylether	U		0.151	4.30	10	05/31/2024 04:02	WG2294807
2-Chloronaphthalene	U		0.0755	0.430	10	05/31/2024 04:02	WG2294807
4-Chlorophenyl-phenylether	U		0.150	4.30	10	05/31/2024 04:02	WG2294807
Chrysene	U		0.0854	0.430	10	05/31/2024 04:02	WG2294807
Dibenz(a,h)anthracene	U		0.119	0.430	10	05/31/2024 04:02	WG2294807
1,2-Dichlorobenzene	U		0.127	4.30	10	05/31/2024 04:02	WG2294807
1,3-Dichlorobenzene	U		0.130	4.30	10	05/31/2024 04:02	WG2294807
1,4-Dichlorobenzene	U		0.128	4.30	10	05/31/2024 04:02	WG2294807
3,3-Dichlorobenzidine	U		0.159	4.30	10	05/31/2024 04:02	WG2294807
2,4-Dinitrotoluene	U		0.123	4.30	10	05/31/2024 04:02	WG2294807
2,6-Dinitrotoluene	U		0.141	4.30	10	05/31/2024 04:02	WG2294807
Fluoranthene	U		0.0775	0.430	10	05/31/2024 04:02	WG2294807
Fluorene	U		0.0699	0.430	10	05/31/2024 04:02	WG2294807
Hexachlorobenzene	U		0.152	4.30	10	05/31/2024 04:02	WG2294807
Hexachloro-1,3-butadiene	U		0.144	4.30	10	05/31/2024 04:02	WG2294807
Hexachlorocyclopentadiene	U		0.226	4.30	10	05/31/2024 04:02	WG2294807
Hexachloroethane	U		0.169	4.30	10	05/31/2024 04:02	WG2294807
Indeno(1,2,3-cd)pyrene	U		0.121	0.430	10	05/31/2024 04:02	WG2294807
Isophorone	U		0.132	4.30	10	05/31/2024 04:02	WG2294807
Naphthalene	U		0.108	0.430	10	05/31/2024 04:02	WG2294807
Nitrobenzene	U		0.150	4.30	10	05/31/2024 04:02	WG2294807
n-Nitrosodimethylamine	U		0.637	4.30	10	05/31/2024 04:02	WG2294807
n-Nitrosodiphenylamine	U		0.325	4.30	10	05/31/2024 04:02	WG2294807
n-Nitrosodi-n-propylamine	U		0.143	4.30	10	05/31/2024 04:02	WG2294807
Phenanthrene	U		0.0853	0.430	10	05/31/2024 04:02	WG2294807
Benzylbutyl phthalate	U		0.134	4.30	10	05/31/2024 04:02	WG2294807
Bis(2-ethylhexyl)phthalate	U		0.544	4.30	10	05/31/2024 04:02	WG2294807
Di-n-butyl phthalate	U		0.147	4.30	10	05/31/2024 04:02	WG2294807
Diethyl phthalate	U		0.142	4.30	10	05/31/2024 04:02	WG2294807
Dimethyl phthalate	U		0.911	4.30	10	05/31/2024 04:02	WG2294807
Di-n-octyl phthalate	U		0.290	4.30	10	05/31/2024 04:02	WG2294807
Pyrene	U		0.0836	0.430	10	05/31/2024 04:02	WG2294807
1,2,4-Trichlorobenzene	U		0.134	4.30	10	05/31/2024 04:02	WG2294807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.139	4.30	10	05/31/2024 04:02	WG2294807
2-Chlorophenol	U		0.142	4.30	10	05/31/2024 04:02	WG2294807
2,4-Dichlorophenol	U		0.125	4.30	10	05/31/2024 04:02	WG2294807
2,4-Dimethylphenol	U		0.112	4.30	10	05/31/2024 04:02	WG2294807
4,6-Dinitro-2-methylphenol	U		0.974	4.30	10	05/31/2024 04:02	WG2294807
2,4-Dinitrophenol	U		1.00	4.30	10	05/31/2024 04:02	WG2294807
2-Nitrophenol	U		0.154	4.30	10	05/31/2024 04:02	WG2294807
4-Nitrophenol	U		0.134	4.30	10	05/31/2024 04:02	WG2294807
Pentachlorophenol	U		0.116	4.30	10	05/31/2024 04:02	WG2294807
Phenol	U		0.173	4.30	10	05/31/2024 04:02	WG2294807
2,4,6-Trichlorophenol	U		0.138	4.30	10	05/31/2024 04:02	WG2294807
(S) 2-Fluorophenol	*92.9*			*12.0-120*		*05/31/2024 04:02*	WG2294807
(S) Phenol-d5	*81.3*			*10.0-120*		*05/31/2024 04:02*	WG2294807
(S) Nitrobenzene-d5	*67.1*			*10.0-122*		*05/31/2024 04:02*	WG2294807
(S) 2-Fluorobiphenyl	*86.2*			*15.0-120*		*05/31/2024 04:02*	WG2294807
(S) 2,4,6-Tribromophenol	*84.5*			*10.0-127*		*05/31/2024 04:02*	WG2294807
(S) p-Terphenyl-d14	*89.3*			*10.0-120*		*05/31/2024 04:02*	WG2294807

Sample Narrative:

L1738627-32 WG2294807: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.3		1	05/27/2024 07:35	WG2293518

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.83	B J	1.39	4.20	25	05/26/2024 04:19	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*05/26/2024 04:19*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0613	0.0840	1	05/28/2024 01:49	WG2293465
Acrylonitrile	U		0.00606	0.0210	1	05/28/2024 01:49	WG2293465
Benzene	U		0.000785	0.00168	1	05/28/2024 01:49	WG2293465
Bromobenzene	U		0.00151	0.0210	1	05/28/2024 01:49	WG2293465
Bromodichloromethane	U		0.00122	0.00420	1	05/28/2024 01:49	WG2293465
Bromoform	U		0.00197	0.0420	1	05/28/2024 01:49	WG2293465
Bromomethane	U		0.00331	0.0210	1	05/28/2024 01:49	WG2293465
n-Butylbenzene	U		0.00882	0.0210	1	05/28/2024 01:49	WG2293465
sec-Butylbenzene	U		0.00484	0.0210	1	05/28/2024 01:49	WG2293465
tert-Butylbenzene	U		0.00328	0.00840	1	05/28/2024 01:49	WG2293465
Carbon tetrachloride	U		0.00151	0.00840	1	05/28/2024 01:49	WG2293465
Chlorobenzene	U		0.000353	0.00420	1	05/28/2024 01:49	WG2293465
Chlorodibromomethane	U		0.00103	0.00420	1	05/28/2024 01:49	WG2293465
Chloroethane	U		0.00286	0.00840	1	05/28/2024 01:49	WG2293465
Chloroform	U		0.00173	0.00420	1	05/28/2024 01:49	WG2293465
Chloromethane	U		0.00731	0.0210	1	05/28/2024 01:49	WG2293465
2-Chlorotoluene	U		0.00145	0.00420	1	05/28/2024 01:49	WG2293465
4-Chlorotoluene	U	J4	0.000756	0.00840	1	05/28/2024 01:49	WG2293465
1,2-Dibromo-3-Chloropropane	U		0.00655	0.0420	1	05/28/2024 01:49	WG2293465
1,2-Dibromoethane	U		0.00109	0.00420	1	05/28/2024 01:49	WG2293465
Dibromomethane	U		0.00126	0.00840	1	05/28/2024 01:49	WG2293465
1,2-Dichlorobenzene	U		0.000714	0.00840	1	05/28/2024 01:49	WG2293465
1,3-Dichlorobenzene	U		0.00101	0.00840	1	05/28/2024 01:49	WG2293465
1,4-Dichlorobenzene	U		0.00118	0.00840	1	05/28/2024 01:49	WG2293465
Dichlorodifluoromethane	U		0.00270	0.00840	1	05/28/2024 01:49	WG2293465
1,1-Dichloroethane	U		0.000825	0.00420	1	05/28/2024 01:49	WG2293465
1,2-Dichloroethane	U		0.00109	0.00420	1	05/28/2024 01:49	WG2293465
1,1-Dichloroethene	U		0.00102	0.00420	1	05/28/2024 01:49	WG2293465
cis-1,2-Dichloroethene	U		0.00123	0.00420	1	05/28/2024 01:49	WG2293465
trans-1,2-Dichloroethene	U		0.00175	0.00840	1	05/28/2024 01:49	WG2293465
1,2-Dichloropropane	U		0.00239	0.00840	1	05/28/2024 01:49	WG2293465
1,1-Dichloropropene	U		0.00136	0.00420	1	05/28/2024 01:49	WG2293465
1,3-Dichloropropane	U		0.000842	0.00840	1	05/28/2024 01:49	WG2293465
cis-1,3-Dichloropropene	U		0.00127	0.00420	1	05/28/2024 01:49	WG2293465
trans-1,3-Dichloropropene	U		0.00192	0.00840	1	05/28/2024 01:49	WG2293465
2,2-Dichloropropane	U		0.00232	0.00420	1	05/28/2024 01:49	WG2293465
Di-isopropyl ether	U		0.000689	0.00168	1	05/28/2024 01:49	WG2293465
Ethylbenzene	U		0.00124	0.00420	1	05/28/2024 01:49	WG2293465
Hexachloro-1,3-butadiene	U		0.0101	0.0420	1	05/28/2024 01:49	WG2293465
Isopropylbenzene	U		0.000714	0.00420	1	05/28/2024 01:49	WG2293465
p-Isopropyltoluene	U		0.00428	0.00840	1	05/28/2024 01:49	WG2293465
2-Butanone (MEK)	U	J4	0.107	0.168	1	05/28/2024 01:49	WG2293465
Methylene Chloride	U		0.0112	0.0420	1	05/28/2024 01:49	WG2293465
4-Methyl-2-pentanone (MIBK)	U		0.00383	0.0420	1	05/28/2024 01:49	WG2293465

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000588	0.00168	1	05/28/2024 01:49	WG2293465
Naphthalene	U	J3	0.00820	0.0210	1	05/28/2024 01:49	WG2293465
n-Propylbenzene	U		0.00160	0.00840	1	05/28/2024 01:49	WG2293465
Styrene	U		0.000385	0.0210	1	05/28/2024 01:49	WG2293465
1,1,1,2-Tetrachloroethane	U		0.00159	0.00420	1	05/28/2024 01:49	WG2293465
1,1,2,2-Tetrachloroethane	U		0.00117	0.00420	1	05/28/2024 01:49	WG2293465
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00420	1	05/28/2024 01:49	WG2293465
Tetrachloroethene	U		0.00151	0.00420	1	05/28/2024 01:49	WG2293465
Toluene	U		0.00218	0.00840	1	05/28/2024 01:49	WG2293465
1,2,3-Trichlorobenzene	U		0.0123	0.0210	1	05/28/2024 01:49	WG2293465
1,2,4-Trichlorobenzene	U		0.00739	0.0210	1	05/28/2024 01:49	WG2293465
1,1,1-Trichloroethane	U		0.00155	0.00420	1	05/28/2024 01:49	WG2293465
1,1,2-Trichloroethane	U		0.00100	0.00420	1	05/28/2024 01:49	WG2293465
Trichloroethene	U		0.000981	0.00168	1	05/28/2024 01:49	WG2293465
Trichlorofluoromethane	U		0.00139	0.00420	1	05/28/2024 01:49	WG2293465
1,2,3-Trichloropropane	U		0.00272	0.0210	1	05/28/2024 01:49	WG2293465
1,2,4-Trimethylbenzene	U		0.00265	0.00840	1	05/28/2024 01:49	WG2293465
1,2,3-Trimethylbenzene	U		0.00265	0.00840	1	05/28/2024 01:49	WG2293465
1,3,5-Trimethylbenzene	U		0.00336	0.00840	1	05/28/2024 01:49	WG2293465
Vinyl chloride	U		0.00195	0.00420	1	05/28/2024 01:49	WG2293465
Xylenes, Total	U		0.00148	0.0109	1	05/28/2024 01:49	WG2293465
(S) Toluene-d8	*102*			*75.0-131*		*05/28/2024 01:49*	WG2293465
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/28/2024 01:49*	WG2293465
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*05/28/2024 01:49*	WG2293465

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		9.60	52.4	10	05/30/2024 19:25	WG2295238
C22-C32 Hydrocarbons	173		17.4	52.4	10	05/30/2024 19:25	WG2295238
C32-C40 Hydrocarbons	212		17.4	52.4	10	05/30/2024 19:25	WG2295238
(S) o-Terphenyl	*66.5*			*18.0-148*		*05/30/2024 19:25*	WG2295238

Sample Narrative:

L1738627-34 WG2295238: Cannot run at lower dilution due to viscosity of extract

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/23/2024 18:44	WG2290665

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	05/29/2024 22:50	WG2294310
Arsenic	U		0.180	2.00	1	05/29/2024 22:50	WG2294310
Barium	0.503	J	0.381	2.00	1	05/29/2024 22:50	WG2294310
Beryllium	U		0.190	2.00	1	05/29/2024 22:50	WG2294310
Cadmium	U		0.150	1.00	1	05/29/2024 22:50	WG2294310
Chromium	1.49	J	1.24	2.00	1	05/29/2024 22:50	WG2294310
Copper	U		1.51	5.00	1	05/29/2024 22:50	WG2294310
Cobalt	U		0.0596	2.00	1	05/29/2024 22:50	WG2294310
Lead	U		0.849	2.00	1	05/29/2024 22:50	WG2294310
Molybdenum	0.711	J	0.348	5.00	1	05/29/2024 22:50	WG2294310
Nickel	U		0.816	2.00	1	05/29/2024 22:50	WG2294310
Selenium	U		0.300	2.00	1	05/29/2024 22:50	WG2294310
Silver	U		0.0700	2.00	1	05/29/2024 22:50	WG2294310
Thallium	U		0.121	2.00	1	05/29/2024 22:50	WG2294310
Vanadium	U		0.664	5.00	1	05/29/2024 22:50	WG2294310
Zinc	U		3.02	25.0	1	05/29/2024 22:50	WG2294310

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	05/28/2024 15:16	WG2294088
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*78.0-120*		*05/28/2024 15:16*	WG2294088

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/27/2024 00:16	WG2293723
Acrolein	U		2.54	50.0	1	05/27/2024 00:16	WG2293723
Acrylonitrile	U		0.671	10.0	1	05/27/2024 00:16	WG2293723
Benzene	U		0.0941	1.00	1	05/27/2024 00:16	WG2293723
Bromobenzene	U		0.118	1.00	1	05/27/2024 00:16	WG2293723
Bromodichloromethane	U		0.136	1.00	1	05/27/2024 00:16	WG2293723
Bromoform	U		0.129	1.00	1	05/27/2024 00:16	WG2293723
Bromomethane	U		0.605	5.00	1	05/27/2024 00:16	WG2293723
n-Butylbenzene	U	J3	0.157	1.00	1	05/27/2024 00:16	WG2293723
sec-Butylbenzene	U		0.125	1.00	1	05/27/2024 00:16	WG2293723
tert-Butylbenzene	U		0.127	1.00	1	05/27/2024 00:16	WG2293723
Carbon tetrachloride	U		0.128	1.00	1	05/27/2024 00:16	WG2293723
Chlorobenzene	U		0.116	1.00	1	05/27/2024 00:16	WG2293723
Chlorodibromomethane	U		0.140	1.00	1	05/27/2024 00:16	WG2293723
Chloroethane	U		0.192	5.00	1	05/27/2024 00:16	WG2293723
Chloroform	U		0.111	5.00	1	05/27/2024 00:16	WG2293723
Chloromethane	U		0.960	2.50	1	05/27/2024 00:16	WG2293723
2-Chlorotoluene	U		0.106	1.00	1	05/27/2024 00:16	WG2293723
4-Chlorotoluene	U		0.114	1.00	1	05/27/2024 00:16	WG2293723
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/27/2024 00:16	WG2293723
1,2-Dibromoethane	U		0.126	1.00	1	05/27/2024 00:16	WG2293723
Dibromomethane	U		0.122	1.00	1	05/27/2024 00:16	WG2293723
1,2-Dichlorobenzene	U		0.107	1.00	1	05/27/2024 00:16	WG2293723

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3-Dichlorobenzene	U		0.110	1.00	1	05/27/2024 00:16	WG2293723
1,4-Dichlorobenzene	U		0.120	1.00	1	05/27/2024 00:16	WG2293723
Dichlorodifluoromethane	U		0.374	5.00	1	05/27/2024 00:16	WG2293723
1,1-Dichloroethane	U		0.100	1.00	1	05/27/2024 00:16	WG2293723
1,2-Dichloroethane	U		0.0819	1.00	1	05/27/2024 00:16	WG2293723
1,1-Dichloroethene	U		0.188	1.00	1	05/27/2024 00:16	WG2293723
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/27/2024 00:16	WG2293723
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/27/2024 00:16	WG2293723
1,2-Dichloropropane	U		0.149	1.00	1	05/27/2024 00:16	WG2293723
1,1-Dichloropropene	U		0.142	1.00	1	05/27/2024 00:16	WG2293723
1,3-Dichloropropane	U		0.110	1.00	1	05/27/2024 00:16	WG2293723
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/27/2024 00:16	WG2293723
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/27/2024 00:16	WG2293723
2,2-Dichloropropane	U		0.161	1.00	1	05/27/2024 00:16	WG2293723
Di-isopropyl ether	U		0.105	1.00	1	05/27/2024 00:16	WG2293723
Ethylbenzene	U		0.137	1.00	1	05/27/2024 00:16	WG2293723
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/27/2024 00:16	WG2293723
Isopropylbenzene	U		0.105	1.00	1	05/27/2024 00:16	WG2293723
p-Isopropyltoluene	U		0.120	1.00	1	05/27/2024 00:16	WG2293723
2-Butanone (MEK)	U		1.19	10.0	1	05/27/2024 00:16	WG2293723
Methylene Chloride	U		0.430	5.00	1	05/27/2024 00:16	WG2293723
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/27/2024 00:16	WG2293723
Methyl tert-butyl ether	U		0.101	1.00	1	05/27/2024 00:16	WG2293723
Naphthalene	U		1.00	5.00	1	05/27/2024 00:16	WG2293723
n-Propylbenzene	U		0.0993	1.00	1	05/27/2024 00:16	WG2293723
Styrene	U		0.118	1.00	1	05/27/2024 00:16	WG2293723
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/27/2024 00:16	WG2293723
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/27/2024 00:16	WG2293723
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/27/2024 00:16	WG2293723
Tetrachloroethene	U		0.300	1.00	1	05/27/2024 00:16	WG2293723
Toluene	U		0.278	1.00	1	05/27/2024 00:16	WG2293723
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/27/2024 00:16	WG2293723
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/27/2024 00:16	WG2293723
1,1,1-Trichloroethane	U		0.149	1.00	1	05/27/2024 00:16	WG2293723
1,1,2-Trichloroethane	U		0.158	1.00	1	05/27/2024 00:16	WG2293723
Trichloroethene	U		0.190	1.00	1	05/27/2024 00:16	WG2293723
Trichlorofluoromethane	U		0.160	5.00	1	05/27/2024 00:16	WG2293723
1,2,3-Trichloropropane	U		0.237	2.50	1	05/27/2024 00:16	WG2293723
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/27/2024 00:16	WG2293723
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/27/2024 00:16	WG2293723
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/27/2024 00:16	WG2293723
Vinyl chloride	U		0.234	1.00	1	05/27/2024 00:16	WG2293723
Xylenes, Total	U		0.174	3.00	1	05/27/2024 00:16	WG2293723
(S) Toluene-d8	*113*			*80.0-120*		*05/27/2024 00:16*	WG2293723
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*05/27/2024 00:16*	WG2293723
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*05/27/2024 00:16*	WG2293723

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	U		33.0	100	1	06/02/2024 11:40	WG2296791
C22-C32 Hydrocarbons	U		33.0	100	1	06/02/2024 11:40	WG2296791
C32-C40 Hydrocarbons	U		33.0	100	1	06/02/2024 11:40	WG2296791
(S) o-Terphenyl	*67.4*			*52.0-156*		*06/02/2024 11:40*	WG2296791

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/26/2024 17:45	WG2293723
Acrolein	U		2.54	50.0	1	05/26/2024 17:45	WG2293723
Acrylonitrile	U		0.671	10.0	1	05/26/2024 17:45	WG2293723
Benzene	U		0.0941	1.00	1	05/26/2024 17:45	WG2293723
Bromobenzene	U		0.118	1.00	1	05/26/2024 17:45	WG2293723
Bromodichloromethane	U		0.136	1.00	1	05/26/2024 17:45	WG2293723
Bromoform	U		0.129	1.00	1	05/26/2024 17:45	WG2293723
Bromomethane	U		0.605	5.00	1	05/26/2024 17:45	WG2293723
n-Butylbenzene	U	J3	0.157	1.00	1	05/26/2024 17:45	WG2293723
sec-Butylbenzene	U		0.125	1.00	1	05/26/2024 17:45	WG2293723
tert-Butylbenzene	U		0.127	1.00	1	05/26/2024 17:45	WG2293723
Carbon tetrachloride	U		0.128	1.00	1	05/26/2024 17:45	WG2293723
Chlorobenzene	U		0.116	1.00	1	05/26/2024 17:45	WG2293723
Chlorodibromomethane	U		0.140	1.00	1	05/26/2024 17:45	WG2293723
Chloroethane	U		0.192	5.00	1	05/26/2024 17:45	WG2293723
Chloroform	U		0.111	5.00	1	05/26/2024 17:45	WG2293723
Chloromethane	U		0.960	2.50	1	05/26/2024 17:45	WG2293723
2-Chlorotoluene	U		0.106	1.00	1	05/26/2024 17:45	WG2293723
4-Chlorotoluene	U		0.114	1.00	1	05/26/2024 17:45	WG2293723
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/26/2024 17:45	WG2293723
1,2-Dibromoethane	U		0.126	1.00	1	05/26/2024 17:45	WG2293723
Dibromomethane	U		0.122	1.00	1	05/26/2024 17:45	WG2293723
1,2-Dichlorobenzene	U		0.107	1.00	1	05/26/2024 17:45	WG2293723
1,3-Dichlorobenzene	U		0.110	1.00	1	05/26/2024 17:45	WG2293723
1,4-Dichlorobenzene	U		0.120	1.00	1	05/26/2024 17:45	WG2293723
Dichlorodifluoromethane	U		0.374	5.00	1	05/26/2024 17:45	WG2293723
1,1-Dichloroethane	U		0.100	1.00	1	05/26/2024 17:45	WG2293723
1,2-Dichloroethane	U		0.0819	1.00	1	05/26/2024 17:45	WG2293723
1,1-Dichloroethene	U		0.188	1.00	1	05/26/2024 17:45	WG2293723
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/26/2024 17:45	WG2293723
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/26/2024 17:45	WG2293723
1,2-Dichloropropane	U		0.149	1.00	1	05/26/2024 17:45	WG2293723
1,1-Dichloropropene	U		0.142	1.00	1	05/26/2024 17:45	WG2293723
1,3-Dichloropropane	U		0.110	1.00	1	05/26/2024 17:45	WG2293723
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/26/2024 17:45	WG2293723
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/26/2024 17:45	WG2293723
2,2-Dichloropropane	U		0.161	1.00	1	05/26/2024 17:45	WG2293723
Di-isopropyl ether	U		0.105	1.00	1	05/26/2024 17:45	WG2293723
Ethylbenzene	U		0.137	1.00	1	05/26/2024 17:45	WG2293723
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/26/2024 17:45	WG2293723
Isopropylbenzene	U		0.105	1.00	1	05/26/2024 17:45	WG2293723
p-Isopropyltoluene	U		0.120	1.00	1	05/26/2024 17:45	WG2293723
2-Butanone (MEK)	U		1.19	10.0	1	05/26/2024 17:45	WG2293723
Methylene Chloride	U		0.430	5.00	1	05/26/2024 17:45	WG2293723
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/26/2024 17:45	WG2293723
Methyl tert-butyl ether	U		0.101	1.00	1	05/26/2024 17:45	WG2293723
Naphthalene	U		1.00	5.00	1	05/26/2024 17:45	WG2293723
n-Propylbenzene	U		0.0993	1.00	1	05/26/2024 17:45	WG2293723
Styrene	U		0.118	1.00	1	05/26/2024 17:45	WG2293723
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/26/2024 17:45	WG2293723
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/26/2024 17:45	WG2293723
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/26/2024 17:45	WG2293723
Tetrachloroethene	U		0.300	1.00	1	05/26/2024 17:45	WG2293723
Toluene	U		0.278	1.00	1	05/26/2024 17:45	WG2293723
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/26/2024 17:45	WG2293723
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/26/2024 17:45	WG2293723

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/26/2024 17:45	WG2293723
1,1,2-Trichloroethane	U		0.158	1.00	1	05/26/2024 17:45	WG2293723
Trichloroethene	U		0.190	1.00	1	05/26/2024 17:45	WG2293723
Trichlorofluoromethane	U		0.160	5.00	1	05/26/2024 17:45	WG2293723
1,2,3-Trichloropropane	U		0.237	2.50	1	05/26/2024 17:45	WG2293723
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/26/2024 17:45	WG2293723
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/26/2024 17:45	WG2293723
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/26/2024 17:45	WG2293723
Vinyl chloride	U		0.234	1.00	1	05/26/2024 17:45	WG2293723
Xylenes, Total	U		0.174	3.00	1	05/26/2024 17:45	WG2293723
(S) Toluene-d8	*106*			*80.0-120*		*05/26/2024 17:45*	WG2293723
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/26/2024 17:45*	WG2293723
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*05/26/2024 17:45*	WG2293723

Method Blank (MB)

(MB) R4073048-1 05/22/24 09:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1738627-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1738627-17 05/22/24 09:31 • (DUP) R4073048-3 05/22/24 09:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.0	84.6	1	0.729		10

Laboratory Control Sample (LCS)

(LCS) R4073048-2 05/22/24 09:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4073045-1 05/22/24 09:20

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1738653-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1738653-08 05/22/24 09:20 • (DUP) R4073045-3 05/22/24 09:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.5	94.8	1	0.708		10

Laboratory Control Sample (LCS)

(LCS) R4073045-2 05/22/24 09:20

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074378-1 05/27/24 07:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1738627-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1738627-06 05/27/24 07:43 • (DUP) R4074378-3 05/27/24 07:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	88.2	1	1.66		10

Laboratory Control Sample (LCS)

(LCS) R4074378-2 05/27/24 07:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074377-1 05/27/24 07:35

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1738627-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1738627-31 05/27/24 07:35 • (DUP) R4074377-3 05/27/24 07:35

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.7	87.1	1	1.65		10

Laboratory Control Sample (LCS)

(LCS) R4074377-2 05/27/24 07:35

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4079931-1 06/10/24 16:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

L1742995-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1742995-03 06/10/24 16:19 • (DUP) R4079931-3 06/10/24 16:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	85.8	86.5	1	0.780		10

Laboratory Control Sample (LCS)

(LCS) R4079931-2 06/10/24 16:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4073565-1 05/23/24 18:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4073565-2 05/23/24 18:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	2.94	97.8	80.0-120	

L1738614-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738614-05 05/23/24 18:26 • (MS) R4073565-4 05/23/24 18:36 • (MSD) R4073565-5 05/23/24 18:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.08	3.12	103	104	1	75.0-125			1.33	20

Method Blank (MB)

(MB) R4073287-6 05/23/24 13:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4073287-2 05/23/24 10:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.537	107	80.0-120	

L1738612-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738612-02 05/23/24 10:09 • (MS) R4073287-4 05/23/24 10:15 • (MSD) R4073287-5 05/23/24 10:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.559	0.0611	0.631	0.663	102	108	1	75.0-125			4.99	20

Method Blank (MB)

(MB) R4074249-1 05/26/24 21:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4074249-2 05/26/24 21:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.495	98.9	80.0-120	

L1739687-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739687-26 05/26/24 21:55 • (MS) R4074249-4 05/26/24 22:00 • (MSD) R4074249-5 05/26/24 22:02

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.478	0.434	95.6	86.8	1	75.0-125			9.69	20

Method Blank (MB)

(MB) R4074311-1 05/27/24 13:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4074311-2 05/27/24 13:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.525	105	80.0-120	

L1739687-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739687-08 05/27/24 13:09 • (MS) R4074311-4 05/27/24 13:19 • (MSD) R4074311-5 05/27/24 13:22

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.0690	0.640	0.495	114	85.1	1	75.0-125		J3	25.7	20

Method Blank (MB)

(MB) R4074226-1 05/26/24 19:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4074226-2 05/26/24 19:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	97.8	97.8	80.0-120	
Arsenic	100	98.5	98.5	80.0-120	
Barium	100	99.1	99.1	80.0-120	
Beryllium	100	98.6	98.6	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Chromium	100	98.3	98.3	80.0-120	
Cobalt	100	97.1	97.1	80.0-120	
Copper	100	94.7	94.7	80.0-120	
Lead	100	99.6	99.6	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	98.0	98.0	80.0-120	
Selenium	100	97.4	97.4	80.0-120	
Silver	20.0	19.6	97.9	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	94.1	94.1	80.0-120	
Zinc	100	95.9	95.9	80.0-120	

L1738154-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738154-09 05/26/24 19:31 • (MS) R4074226-5 05/26/24 19:41 • (MSD) R4074226-6 05/26/24 19:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	3.60	46.0	48.3	42.4	44.7	1	75.0-125	J6	J6	4.81	20
Arsenic	100	14.9	109	108	93.8	92.7	1	75.0-125			1.09	20
Barium	100	29.1	124	123	95.1	94.2	1	75.0-125			0.743	20
Beryllium	100	0.887	96.9	95.4	96.0	94.5	1	75.0-125			1.59	20
Cadmium	100	U	93.9	92.0	93.9	92.0	1	75.0-125			2.05	20
Chromium	100	32.1	132	130	100	97.5	1	75.0-125			1.90	20
Cobalt	100	8.73	105	104	96.2	94.8	1	75.0-125			1.38	20
Copper	100	24.0	125	125	101	100	1	75.0-125			0.722	20
Lead	100	35.3	128	126	92.7	90.3	1	75.0-125			1.90	20
Molybdenum	100	0.742	89.2	88.6	88.5	87.8	1	75.0-125			0.755	20
Nickel	100	24.6	124	123	98.9	98.1	1	75.0-125			0.691	20
Selenium	100	U	94.3	91.2	94.3	91.2	1	75.0-125			3.35	20
Silver	20.0	0.226	20.4	20.1	101	99.5	1	75.0-125			1.41	20
Thallium	100	U	97.0	94.4	97.0	94.4	1	75.0-125			2.71	20
Vanadium	100	85.0	169	169	83.8	83.9	1	75.0-125			0.0852	20
Zinc	100	63.8	156	156	92.3	92.1	1	75.0-125			0.126	20

Method Blank (MB)

(MB) R4074241-1 05/26/24 19:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	0.110	J	0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4074241-2 05/26/24 19:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	94.8	94.8	80.0-120	
Arsenic	100	94.4	94.4	80.0-120	
Barium	100	97.5	97.5	80.0-120	
Beryllium	100	97.3	97.3	80.0-120	
Cadmium	100	93.7	93.7	80.0-120	
Chromium	100	98.5	98.5	80.0-120	
Cobalt	100	92.0	92.0	80.0-120	
Copper	100	100	100	80.0-120	
Lead	100	95.4	95.4	80.0-120	
Molybdenum	100	96.8	96.8	80.0-120	
Nickel	100	92.0	92.0	80.0-120	
Selenium	100	93.2	93.2	80.0-120	
Silver	20.0	17.5	87.4	80.0-120	
Thallium	100	96.8	96.8	80.0-120	
Vanadium	100	94.7	94.7	80.0-120	
Zinc	100	95.7	95.7	80.0-120	

L1738627-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-18 05/26/24 19:24 • (MS) R4074241-5 05/26/24 19:29 • (MSD) R4074241-6 05/26/24 19:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	110	14.1	72.7	64.0	53.4	45.4	1	75.0-125	J6	J6	12.8	20
Arsenic	110	19.9	113	108	84.5	80.7	1	75.0-125			3.78	20
Barium	110	752	933	1090	165	308	1	75.0-125	V	V	15.6	20
Beryllium	110	0.327	102	96.9	92.5	87.9	1	75.0-125			5.02	20
Cadmium	110	45.8	135	157	80.8	102	1	75.0-125			15.7	20
Chromium	110	56.8	149	177	84.0	110	1	75.0-125			17.4	20
Cobalt	110	19.7	111	105	82.9	77.7	1	75.0-125			5.28	20
Copper	110	984	772	962	0.000	0.000	1	75.0-125	V	J3 V	21.8	20
Lead	110	1210	2560	1960	1230	686	1	75.0-125	V	J3 V	26.3	20
Molybdenum	110	7.60	96.1	97.9	80.6	82.2	1	75.0-125			1.85	20
Nickel	110	99.0	173	194	67.6	86.6	1	75.0-125	J6		11.4	20
Selenium	110	U	100	95.7	91.5	87.2	1	75.0-125			4.79	20
Silver	22.0	U	17.0	16.1	77.6	73.4	1	75.0-125		J6	5.51	20
Thallium	110	6.88	102	98.6	87.0	83.5	1	75.0-125			3.74	20
Vanadium	110	59.2	160	161	92.0	92.6	1	75.0-125			0.378	20
Zinc	110	2830	3080	3390	226	505	1	75.0-125	E V	E V	9.46	20

Method Blank (MB)

(MB) R4075596-1 05/30/24 17:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4075596-2 05/30/24 17:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	98.6	98.6	80.0-120	
Arsenic	100	102	102	80.0-120	
Barium	100	100	100	80.0-120	
Beryllium	100	95.5	95.5	80.0-120	
Cadmium	100	101	101	80.0-120	
Chromium	100	99.5	99.5	80.0-120	
Cobalt	100	98.9	98.9	80.0-120	
Copper	100	95.1	95.1	80.0-120	
Lead	100	99.0	99.0	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	95.9	95.9	80.0-120	
Silver	20.0	17.4	86.8	80.0-120	
Thallium	100	103	103	80.0-120	
Vanadium	100	90.8	90.8	80.0-120	
Zinc	100	99.6	99.6	80.0-120	

L1738627-31 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-31 05/30/24 17:19 • (MS) R4075596-5 05/30/24 17:29 • (MSD) R4075596-6 05/30/24 17:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	117	2.51	101	97.3	84.3	81.2	1	75.0-125			3.67	20
Arsenic	117	6.20	123	119	100	96.6	1	75.0-125			3.29	20
Barium	117	160	264	269	89.3	93.9	1	75.0-125			2.01	20
Beryllium	117	0.467	114	110	97.4	94.1	1	75.0-125			3.45	20
Cadmium	117	0.174	120	117	103	100	1	75.0-125			3.06	20
Chromium	117	32.2	150	144	101	95.9	1	75.0-125			4.18	20
Cobalt	117	12.4	126	128	97.4	99.3	1	75.0-125			1.77	20
Copper	117	34.8	193	183	135	127	1	75.0-125	J5	J5	4.99	20
Lead	117	59.1	157	154	83.6	81.2	1	75.0-125			1.83	20
Molybdenum	117	0.156	114	108	97.7	92.4	1	75.0-125			5.60	20
Nickel	117	41.2	151	151	94.2	94.1	1	75.0-125			0.0257	20
Selenium	117	U	110	106	94.7	91.3	1	75.0-125			3.68	20
Silver	23.3	U	20.6	19.9	88.3	85.1	1	75.0-125			3.69	20
Thallium	117	U	119	117	102	100	1	75.0-125			1.31	20
Vanadium	117	59.6	162	162	88.1	87.7	1	75.0-125			0.289	20
Zinc	117	98.9	222	226	106	109	1	75.0-125			1.64	20

QUALITY CONTROL SUMMARY

L1738627-01,02,03,06,07,08,11,12,13,24,30,32

Method Blank (MB)

(MB) R4076238-1 06/01/24 18:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	0.113	J	0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4076238-2 06/01/24 18:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	102	102	80.0-120	
Arsenic	100	107	107	80.0-120	
Barium	100	107	107	80.0-120	
Beryllium	100	105	105	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	109	109	80.0-120	
Cobalt	100	100	100	80.0-120	
Copper	100	108	108	80.0-120	
Lead	100	103	103	80.0-120	
Molybdenum	100	107	107	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	101	101	80.0-120	
Silver	20.0	19.4	97.0	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	104	104	80.0-120	

L1739664-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739664-18 06/01/24 18:32 • (MS) R4076238-5 06/01/24 18:37 • (MSD) R4076238-6 06/01/24 18:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	118	U	72.2	82.9	60.9	70.0	1	75.0-125	J6	J6	13.9	20
Arsenic	118	3.17	98.8	112	80.7	92.2	1	75.0-125			12.9	20
Barium	118	70.4	165	196	79.5	106	1	75.0-125			17.6	20
Beryllium	118	0.379	93.0	108	78.2	91.0	1	75.0-125			15.1	20
Cadmium	118	1.24	97.0	108	80.8	90.1	1	75.0-125			10.7	20
Chromium	118	38.2	137	144	83.8	89.8	1	75.0-125			5.02	20
Cobalt	118	2.78	90.8	108	74.3	88.9	1	75.0-125	J6		17.3	20
Copper	118	52.9	128	145	63.7	78.0	1	75.0-125	J6		12.4	20
Lead	118	1030	1260	968	196	0.000	1	75.0-125	V	J3 V	26.1	20
Molybdenum	118	3.95	92.6	105	74.9	85.4	1	75.0-125	J6		12.6	20
Nickel	118	17.1	103	122	72.3	88.4	1	75.0-125	J6		16.9	20
Selenium	118	U	92.0	104	77.7	88.1	1	75.0-125			12.6	20
Silver	23.7	1.18	20.1	21.6	79.7	86.1	1	75.0-125			7.30	20
Thallium	118	2.44	97.1	106	79.9	87.5	1	75.0-125			8.85	20
Vanadium	118	12.0	101	118	75.1	89.1	1	75.0-125			15.2	20
Zinc	118	326	590	488	223	137	1	75.0-125	J5	J5	18.9	20

Method Blank (MB)

(MB) R4075132-1 05/29/24 22:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4075132-2 05/29/24 22:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	50.7	101	80.0-120	
Arsenic	50.0	49.8	99.5	80.0-120	
Barium	50.0	48.3	96.6	80.0-120	
Beryllium	50.0	44.7	89.4	80.0-120	
Cadmium	50.0	49.7	99.5	80.0-120	
Chromium	50.0	50.3	101	80.0-120	
Copper	50.0	50.0	100	80.0-120	
Cobalt	50.0	50.5	101	80.0-120	
Lead	50.0	50.2	100	80.0-120	
Molybdenum	50.0	49.2	98.4	80.0-120	
Nickel	50.0	51.5	103	80.0-120	
Selenium	50.0	50.9	102	80.0-120	
Silver	50.0	50.4	101	80.0-120	
Thallium	50.0	48.9	97.8	80.0-120	
Vanadium	50.0	48.9	97.9	80.0-120	
Zinc	50.0	48.7	97.4	80.0-120	

L1738756-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738756-07 05/29/24 22:37 • (MS) R4075132-4 05/29/24 22:44 • (MSD) R4075132-5 05/29/24 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	53.8	54.3	108	109	1	75.0-125			1.05	20
Arsenic	50.0	0.881	51.2	52.9	101	104	1	75.0-125			3.18	20
Barium	50.0	70.7	119	120	97.2	98.3	1	75.0-125			0.482	20
Beryllium	50.0	U	48.0	48.5	96.0	97.0	1	75.0-125			0.954	20
Cadmium	50.0	0.374	50.5	52.4	100	104	1	75.0-125			3.70	20
Chromium	50.0	U	49.0	51.4	98.0	103	1	75.0-125			4.75	20
Copper	50.0	6.40	54.7	55.8	96.6	98.7	1	75.0-125			1.92	20
Cobalt	50.0	0.542	49.3	51.3	97.4	101	1	75.0-125			3.98	20
Lead	50.0	1.05	52.3	55.3	103	109	1	75.0-125			5.50	20
Molybdenum	50.0		62.3	63.5	103	105	1	75.0-125			1.93	20
Nickel	50.0	4.94	53.7	56.6	97.4	103	1	75.0-125			5.35	20
Selenium	50.0	U	53.6	54.0	107	108	1	75.0-125			0.719	20
Silver	50.0	U	49.8	51.8	99.5	104	1	75.0-125			3.98	20
Thallium	50.0	U	50.6	52.7	101	105	1	75.0-125			4.19	20
Vanadium	50.0	U	50.5	52.2	101	104	1	75.0-125			3.27	20
Zinc	50.0	37.3	84.2	87.1	93.9	99.7	1	75.0-125			3.41	20

Method Blank (MB)

(MB) R4073597-2 05/23/24 11:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4073597-1 05/23/24 10:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.04	101	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*77.0-120*	

L1738627-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-27 05/23/24 15:42 • (MS) R4073597-3 05/23/24 17:38 • (MSD) R4073597-4 05/23/24 17:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	222	2.34	231	219	103	97.6	30	10.0-141			5.26	29
(S) a,a,a-Trifluorotoluene(FID)					*106*	*107*		*77.0-120*				

Method Blank (MB)

(MB) R4074741-2 05/26/24 02:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.88	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4074741-1 05/26/24 00:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.81	116	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

L1738627-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-03 05/26/24 02:22 • (MS) R4074741-3 05/26/24 08:50 • (MSD) R4074741-4 05/26/24 09:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	168	2.26	183	190	108	112	28.5	10.0-141			3.77	29
(S) a,a,a-Trifluorotoluene(FID)					*107*	*107*		*77.0-120*				

Method Blank (MB)

(MB) R4076402-2 06/02/24 14:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.97	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076402-1 06/02/24 12:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.68	93.6	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4075042-3 05/28/24 10:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	38.9	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075042-1 05/28/24 09:34 • (LCSD) R4075042-2 05/28/24 09:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5000	4280	4440	85.6	88.8	71.0-127			3.67	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*104*	*78.0-120*				

Method Blank (MB)

(MB) R4074180-3 05/25/24 22:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4074180-3 05/25/24 22:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	0.00325		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074180-1 05/25/24 21:09 • (LCSD) R4074180-2 05/25/24 21:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.957	1.15	153	184	10.0-160		J4	18.3	31
Acrylonitrile	0.625	0.925	1.03	148	165	45.0-153		J4	10.7	22
Benzene	0.125	0.124	0.126	99.2	101	70.0-123			1.60	20
Bromobenzene	0.125	0.121	0.124	96.8	99.2	73.0-121			2.45	20
Bromodichloromethane	0.125	0.133	0.134	106	107	73.0-121			0.749	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074180-1 05/25/24 21:09 • (LCSD) R4074180-2 05/25/24 21:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.120	0.123	96.0	98.4	64.0-132			2.47	20
Bromomethane	0.125	0.123	0.136	98.4	109	56.0-147			10.0	20
n-Butylbenzene	0.125	0.107	0.120	85.6	96.0	68.0-135			11.5	20
sec-Butylbenzene	0.125	0.130	0.137	104	110	74.0-130			5.24	20
tert-Butylbenzene	0.125	0.129	0.138	103	110	75.0-127			6.74	20
Carbon tetrachloride	0.125	0.147	0.154	118	123	66.0-128			4.65	20
Chlorobenzene	0.125	0.125	0.131	100	105	76.0-128			4.69	20
Chlorodibromomethane	0.125	0.121	0.128	96.8	102	74.0-127			5.62	20
Chloroethane	0.125	0.124	0.143	99.2	114	61.0-134			14.2	20
Chloroform	0.125	0.120	0.129	96.0	103	72.0-123			7.23	20
Chloromethane	0.125	0.132	0.146	106	117	51.0-138			10.1	20
2-Chlorotoluene	0.125	0.128	0.136	102	109	75.0-124			6.06	20
4-Chlorotoluene	0.125	0.125	0.129	100	103	75.0-124			3.15	20
1,2-Dibromo-3-Chloropropane	0.125	0.160	0.147	128	118	59.0-130			8.47	20
1,2-Dibromoethane	0.125	0.132	0.135	106	108	74.0-128			2.25	20
Dibromomethane	0.125	0.125	0.127	100	102	75.0-122			1.59	20
1,2-Dichlorobenzene	0.125	0.128	0.125	102	100	76.0-124			2.37	20
1,3-Dichlorobenzene	0.125	0.122	0.125	97.6	100	76.0-125			2.43	20
1,4-Dichlorobenzene	0.125	0.123	0.126	98.4	101	77.0-121			2.41	20
Dichlorodifluoromethane	0.125	0.172	0.187	138	150	43.0-156			8.36	20
1,1-Dichloroethane	0.125	0.133	0.148	106	118	70.0-127			10.7	20
1,2-Dichloroethane	0.125	0.123	0.129	98.4	103	65.0-131			4.76	20
1,1-Dichloroethene	0.125	0.130	0.151	104	121	65.0-131			14.9	20
cis-1,2-Dichloroethene	0.125	0.128	0.139	102	111	73.0-125			8.24	20
trans-1,2-Dichloroethene	0.125	0.132	0.142	106	114	71.0-125			7.30	20
1,2-Dichloropropane	0.125	0.128	0.129	102	103	74.0-125			0.778	20
1,1-Dichloropropene	0.125	0.136	0.149	109	119	73.0-125			9.12	20
1,3-Dichloropropane	0.125	0.132	0.132	106	106	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.127	0.130	102	104	76.0-127			2.33	20
trans-1,3-Dichloropropene	0.125	0.125	0.127	100	102	73.0-127			1.59	20
2,2-Dichloropropane	0.125	0.112	0.120	89.6	96.0	59.0-135			6.90	20
Di-isopropyl ether	0.125	0.136	0.144	109	115	60.0-136			5.71	20
Ethylbenzene	0.125	0.129	0.135	103	108	74.0-126			4.55	20
Hexachloro-1,3-butadiene	0.125	0.108	0.140	86.4	112	57.0-150		J3	25.8	20
Isopropylbenzene	0.125	0.136	0.140	109	112	72.0-127			2.90	20
p-Isopropyltoluene	0.125	0.125	0.134	100	107	72.0-133			6.95	20
2-Butanone (MEK)	0.625	0.890	1.01	142	162	30.0-160		J4	12.6	24
Methylene Chloride	0.125	0.119	0.124	95.2	99.2	68.0-123			4.12	20
4-Methyl-2-pentanone (MIBK)	0.625	0.831	0.840	133	134	56.0-143			1.08	20
Methyl tert-butyl ether	0.125	0.136	0.134	109	107	66.0-132			1.48	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074180-1 05/25/24 21:09 • (LCSD) R4074180-2 05/25/24 21:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.124	0.115	99.2	92.0	59.0-130			7.53	20
n-Propylbenzene	0.125	0.132	0.140	106	112	74.0-126			5.88	20
Styrene	0.125	0.127	0.128	102	102	72.0-127			0.784	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.127	102	102	74.0-129			0.784	20
1,1,2,2-Tetrachloroethane	0.125	0.137	0.133	110	106	68.0-128			2.96	20
1,1,2-Trichlorotrifluoroethane	0.125	0.136	0.154	109	123	61.0-139			12.4	20
Tetrachloroethene	0.125	0.135	0.138	108	110	70.0-136			2.20	20
Toluene	0.125	0.127	0.132	102	106	75.0-121			3.86	20
1,2,3-Trichlorobenzene	0.125	0.125	0.129	100	103	59.0-139			3.15	20
1,2,4-Trichlorobenzene	0.125	0.115	0.125	92.0	100	62.0-137			8.33	20
1,1,1-Trichloroethane	0.125	0.150	0.155	120	124	69.0-126			3.28	20
1,1,2-Trichloroethane	0.125	0.130	0.131	104	105	78.0-123			0.766	20
Trichloroethene	0.125	0.133	0.139	106	111	76.0-126			4.41	20
Trichlorofluoromethane	0.125	0.149	0.177	119	142	61.0-142			17.2	20
1,2,3-Trichloropropane	0.125	0.138	0.146	110	117	67.0-129			5.63	20
1,2,4-Trimethylbenzene	0.125	0.124	0.125	99.2	100	70.0-126			0.803	20
1,2,3-Trimethylbenzene	0.125	0.124	0.120	99.2	96.0	74.0-124			3.28	20
1,3,5-Trimethylbenzene	0.125	0.126	0.128	101	102	73.0-127			1.57	20
Vinyl chloride	0.125	0.119	0.141	95.2	113	63.0-134			16.9	20
Xylenes, Total	0.375	0.392	0.406	105	108	72.0-127			3.51	20
(S) Toluene-d8				*100*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*106*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R4075197-3 05/27/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075197-3 05/27/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075197-1 05/27/24 21:04 • (LCSD) R4075197-2 05/27/24 21:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.15	1.07	184	171	10.0-160	J4	J4	7.21	31
Acrylonitrile	0.625	0.858	0.806	137	129	45.0-153			6.25	22
Benzene	0.125	0.111	0.113	88.8	90.4	70.0-123			1.79	20
Bromobenzene	0.125	0.108	0.106	86.4	84.8	73.0-121			1.87	20
Bromodichloromethane	0.125	0.116	0.120	92.8	96.0	73.0-121			3.39	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075197-1 05/27/24 21:04 • (LCSD) R4075197-2 05/27/24 21:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.111	0.115	88.8	92.0	64.0-132			3.54	20
Bromomethane	0.125	0.118	0.135	94.4	108	56.0-147			13.4	20
n-Butylbenzene	0.125	0.105	0.101	84.0	80.8	68.0-135			3.88	20
sec-Butylbenzene	0.125	0.121	0.114	96.8	91.2	74.0-130			5.96	20
tert-Butylbenzene	0.125	0.134	0.112	107	89.6	75.0-127			17.9	20
Carbon tetrachloride	0.125	0.126	0.129	101	103	66.0-128			2.35	20
Chlorobenzene	0.125	0.113	0.112	90.4	89.6	76.0-128			0.889	20
Chlorodibromomethane	0.125	0.112	0.112	89.6	89.6	74.0-127			0.000	20
Chloroethane	0.125	0.123	0.130	98.4	104	61.0-134			5.53	20
Chloroform	0.125	0.111	0.110	88.8	88.0	72.0-123			0.905	20
Chloromethane	0.125	0.110	0.113	88.0	90.4	51.0-138			2.69	20
2-Chlorotoluene	0.125	0.116	0.114	92.8	91.2	75.0-124			1.74	20
4-Chlorotoluene	0.125	0.0929	0.109	74.3	87.2	75.0-124	J4		15.9	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.135	93.6	108	59.0-130			14.3	20
1,2-Dibromoethane	0.125	0.123	0.120	98.4	96.0	74.0-128			2.47	20
Dibromomethane	0.125	0.112	0.114	89.6	91.2	75.0-122			1.77	20
1,2-Dichlorobenzene	0.125	0.105	0.112	84.0	89.6	76.0-124			6.45	20
1,3-Dichlorobenzene	0.125	0.108	0.107	86.4	85.6	76.0-125			0.930	20
1,4-Dichlorobenzene	0.125	0.109	0.107	87.2	85.6	77.0-121			1.85	20
Dichlorodifluoromethane	0.125	0.134	0.154	107	123	43.0-156			13.9	20
1,1-Dichloroethane	0.125	0.121	0.122	96.8	97.6	70.0-127			0.823	20
1,2-Dichloroethane	0.125	0.108	0.108	86.4	86.4	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.125	0.115	100	92.0	65.0-131			8.33	20
cis-1,2-Dichloroethene	0.125	0.121	0.122	96.8	97.6	73.0-125			0.823	20
trans-1,2-Dichloroethene	0.125	0.118	0.120	94.4	96.0	71.0-125			1.68	20
1,2-Dichloropropane	0.125	0.117	0.114	93.6	91.2	74.0-125			2.60	20
1,1-Dichloropropene	0.125	0.126	0.126	101	101	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.117	0.112	93.6	89.6	80.0-125			4.37	20
cis-1,3-Dichloropropene	0.125	0.121	0.123	96.8	98.4	76.0-127			1.64	20
trans-1,3-Dichloropropene	0.125	0.118	0.114	94.4	91.2	73.0-127			3.45	20
2,2-Dichloropropane	0.125	0.121	0.126	96.8	101	59.0-135			4.05	20
Di-isopropyl ether	0.125	0.122	0.118	97.6	94.4	60.0-136			3.33	20
Ethylbenzene	0.125	0.117	0.117	93.6	93.6	74.0-126			0.000	20
Hexachloro-1,3-butadiene	0.125	0.113	0.114	90.4	91.2	57.0-150			0.881	20
Isopropylbenzene	0.125	0.120	0.125	96.0	100	72.0-127			4.08	20
p-Isopropyltoluene	0.125	0.114	0.111	91.2	88.8	72.0-133			2.67	20
2-Butanone (MEK)	0.625	0.886	1.07	142	171	30.0-160		J4	18.8	24
Methylene Chloride	0.125	0.114	0.111	91.2	88.8	68.0-123			2.67	20
4-Methyl-2-pentanone (MIBK)	0.625	0.726	0.685	116	110	56.0-143			5.81	20
Methyl tert-butyl ether	0.125	0.128	0.116	102	92.8	66.0-132			9.84	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075197-1 05/27/24 21:04 • (LCSD) R4075197-2 05/27/24 21:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0930	0.119	74.4	95.2	59.0-130		J3	24.5	20
n-Propylbenzene	0.125	0.120	0.112	96.0	89.6	74.0-126			6.90	20
Styrene	0.125	0.112	0.114	89.6	91.2	72.0-127			1.77	20
1,1,1,2-Tetrachloroethane	0.125	0.111	0.111	88.8	88.8	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.110	91.2	88.0	68.0-128			3.57	20
1,1,2-Trichlorotrifluoroethane	0.125	0.120	0.135	96.0	108	61.0-139			11.8	20
Tetrachloroethene	0.125	0.122	0.121	97.6	96.8	70.0-136			0.823	20
Toluene	0.125	0.113	0.110	90.4	88.0	75.0-121			2.69	20
1,2,3-Trichlorobenzene	0.125	0.102	0.123	81.6	98.4	59.0-139			18.7	20
1,2,4-Trichlorobenzene	0.125	0.101	0.118	80.8	94.4	62.0-137			15.5	20
1,1,1-Trichloroethane	0.125	0.132	0.132	106	106	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.118	0.112	94.4	89.6	78.0-123			5.22	20
Trichloroethene	0.125	0.126	0.125	101	100	76.0-126			0.797	20
Trichlorofluoromethane	0.125	0.139	0.148	111	118	61.0-142			6.27	20
1,2,3-Trichloropropane	0.125	0.130	0.119	104	95.2	67.0-129			8.84	20
1,2,4-Trimethylbenzene	0.125	0.107	0.107	85.6	85.6	70.0-126			0.000	20
1,2,3-Trimethylbenzene	0.125	0.105	0.109	84.0	87.2	74.0-124			3.74	20
1,3,5-Trimethylbenzene	0.125	0.111	0.109	88.8	87.2	73.0-127			1.82	20
Vinyl chloride	0.125	0.119	0.130	95.2	104	63.0-134			8.84	20
Xylenes, Total	0.375	0.344	0.345	91.7	92.0	72.0-127			0.290	20
(S) Toluene-d8				*99.7*	*98.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*107*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*96.0*	*99.4*	*70.0-130*				

Method Blank (MB)

(MB) R4074842-3 05/27/24 06:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Trichloroethene	U		0.000584	0.00100
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074842-1 05/27/24 04:43 • (LCSD) R4074842-2 05/27/24 05:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.125	0.107	0.106	85.6	84.8	76.0-126			0.939	20
(S) Toluene-d8				*110*	*110*	*75.0-131*				
(S) 4-Bromofluorobenzene				*94.5*	*94.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R4074807-4 05/26/24 16:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4074807-4 05/26/24 16:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*114*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074807-1 05/26/24 15:31 • (LCSD) R4074807-2 05/26/24 15:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	40.0	36.5	160	146	19.0-160	J	J	9.15	27
Acrolein	25.0	12.5	12.6	50.0	50.4	10.0-160	J	J	0.797	26
Acrylonitrile	25.0	29.6	29.7	118	119	55.0-149			0.337	20
Benzene	5.00	4.96	4.99	99.2	99.8	70.0-123			0.603	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074807-1 05/26/24 15:31 • (LCSD) R4074807-2 05/26/24 15:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.55	4.74	91.0	94.8	73.0-121			4.09	20
Bromodichloromethane	5.00	4.66	4.63	93.2	92.6	75.0-120			0.646	20
Bromoform	5.00	4.85	4.56	97.0	91.2	68.0-132			6.16	20
Bromomethane	5.00	3.52	3.45	70.4	69.0	10.0-160	J	J	2.01	25
n-Butylbenzene	5.00	4.21	5.21	84.2	104	73.0-125		J3	21.2	20
sec-Butylbenzene	5.00	4.64	4.92	92.8	98.4	75.0-125			5.86	20
tert-Butylbenzene	5.00	4.73	4.99	94.6	99.8	76.0-124			5.35	20
Carbon tetrachloride	5.00	5.16	5.07	103	101	68.0-126			1.76	20
Chlorobenzene	5.00	5.12	5.37	102	107	80.0-121			4.77	20
Chlorodibromomethane	5.00	5.36	4.93	107	98.6	77.0-125			8.36	20
Chloroethane	5.00	4.71	4.63	94.2	92.6	47.0-150	J	J	1.71	20
Chloroform	5.00	5.00	5.03	100	101	73.0-120	J		0.598	20
Chloromethane	5.00	5.73	5.64	115	113	41.0-142			1.58	20
2-Chlorotoluene	5.00	4.58	4.89	91.6	97.8	76.0-123			6.55	20
4-Chlorotoluene	5.00	4.32	4.58	86.4	91.6	75.0-122			5.84	20
1,2-Dibromo-3-Chloropropane	5.00	3.62	3.81	72.4	76.2	58.0-134	J	J	5.11	20
1,2-Dibromoethane	5.00	5.45	4.97	109	99.4	80.0-122			9.21	20
Dibromomethane	5.00	4.98	4.81	99.6	96.2	80.0-120			3.47	20
1,2-Dichlorobenzene	5.00	4.79	5.32	95.8	106	79.0-121			10.5	20
1,3-Dichlorobenzene	5.00	4.75	5.25	95.0	105	79.0-120			10.0	20
1,4-Dichlorobenzene	5.00	4.72	5.08	94.4	102	79.0-120			7.35	20
Dichlorodifluoromethane	5.00	4.63	4.61	92.6	92.2	51.0-149	J	J	0.433	20
1,1-Dichloroethane	5.00	5.23	5.24	105	105	70.0-126			0.191	20
1,2-Dichloroethane	5.00	4.93	4.88	98.6	97.6	70.0-128			1.02	20
1,1-Dichloroethene	5.00	5.24	5.12	105	102	71.0-124			2.32	20
cis-1,2-Dichloroethene	5.00	4.86	5.19	97.2	104	73.0-120			6.57	20
trans-1,2-Dichloroethene	5.00	5.28	5.12	106	102	73.0-120			3.08	20
1,2-Dichloropropane	5.00	5.29	5.57	106	111	77.0-125			5.16	20
1,1-Dichloropropene	5.00	5.34	5.24	107	105	74.0-126			1.89	20
1,3-Dichloropropane	5.00	5.46	5.07	109	101	80.0-120			7.41	20
cis-1,3-Dichloropropene	5.00	4.84	4.65	96.8	93.0	80.0-123			4.00	20
trans-1,3-Dichloropropene	5.00	5.18	4.50	104	90.0	78.0-124			14.0	20
2,2-Dichloropropane	5.00	4.41	4.60	88.2	92.0	58.0-130			4.22	20
Di-isopropyl ether	5.00	5.50	5.42	110	108	58.0-138			1.47	20
Ethylbenzene	5.00	5.13	5.35	103	107	79.0-123			4.20	20
Hexachloro-1,3-butadiene	5.00	4.63	4.43	92.6	88.6	54.0-138			4.42	20
Isopropylbenzene	5.00	5.75	5.23	115	105	76.0-127			9.47	20
p-Isopropyltoluene	5.00	4.69	4.85	93.8	97.0	76.0-125			3.35	20
2-Butanone (MEK)	25.0	34.1	34.3	136	137	44.0-160			0.585	20
Methylene Chloride	5.00	5.00	5.00	100	100	67.0-120	J	J	0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074807-1 05/26/24 15:31 • (LCSD) R4074807-2 05/26/24 15:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	27.2	25.6	109	102	68.0-142			6.06	20
Methyl tert-butyl ether	5.00	4.63	4.65	92.6	93.0	68.0-125			0.431	20
Naphthalene	5.00	3.04	3.21	60.8	64.2	54.0-135	J	J	5.44	20
n-Propylbenzene	5.00	4.72	4.77	94.4	95.4	77.0-124			1.05	20
Styrene	5.00	5.68	5.22	114	104	73.0-130			8.44	20
1,1,1,2-Tetrachloroethane	5.00	5.66	5.05	113	101	75.0-125			11.4	20
1,1,2,2-Tetrachloroethane	5.00	4.29	4.66	85.8	93.2	65.0-130			8.27	20
1,1,2-Trichlorotrifluoroethane	5.00	5.33	5.67	107	113	69.0-132			6.18	20
Tetrachloroethene	5.00	6.27	5.63	125	113	72.0-132			10.8	20
Toluene	5.00	5.83	5.13	117	103	79.0-120			12.8	20
1,2,3-Trichlorobenzene	5.00	3.52	3.59	70.4	71.8	50.0-138			1.97	20
1,2,4-Trichlorobenzene	5.00	3.86	3.71	77.2	74.2	57.0-137			3.96	20
1,1,1-Trichloroethane	5.00	4.90	4.61	98.0	92.2	73.0-124			6.10	20
1,1,2-Trichloroethane	5.00	5.56	4.83	111	96.6	80.0-120			14.1	20
Trichloroethene	5.00	5.46	5.51	109	110	78.0-124			0.912	20
Trichlorofluoromethane	5.00	5.18	5.16	104	103	59.0-147			0.387	20
1,2,3-Trichloropropane	5.00	4.97	4.74	99.4	94.8	73.0-130			4.74	20
1,2,4-Trimethylbenzene	5.00	4.59	4.74	91.8	94.8	76.0-121			3.22	20
1,2,3-Trimethylbenzene	5.00	4.63	4.67	92.6	93.4	77.0-120			0.860	20
1,3,5-Trimethylbenzene	5.00	4.67	5.05	93.4	101	76.0-122			7.82	20
Vinyl chloride	5.00	5.35	5.20	107	104	67.0-131			2.84	20
Xylenes, Total	15.0	17.4	15.9	116	106	79.0-123			9.01	20
(S) Toluene-d8				*120*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*114*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.8*	*97.4*	*70.0-130*				

Method Blank (MB)

(MB) R4076519-1 06/02/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*59.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076519-2 06/02/24 10:58 • (LCSD) R4076519-3 06/02/24 11:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	793	803	106	107	50.0-150			1.25	20
C22-C32 Hydrocarbons	750	722	733	96.3	97.7	50.0-150			1.51	20
(S) o-Terphenyl				*73.5*	*73.5*	*52.0-156*				

Method Blank (MB)

(MB) R4073924-1 05/24/24 15:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*82.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4073924-2 05/24/24 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	21.2	84.8	50.0-150	
C22-C32 Hydrocarbons	25.0	16.9	67.6	50.0-150	
(S) o-Terphenyl			*79.6*	*18.0-148*	

L1735386-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1735386-07 05/24/24 15:29 • (MS) R4073924-3 05/24/24 15:43 • (MSD) R4073924-4 05/24/24 15:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	28.1	U	23.5	23.0	83.6	82.0	1	50.0-150			1.93	20
C22-C32 Hydrocarbons	28.1	U	20.5	22.0	72.8	78.4	1	50.0-150			7.41	20
(S) o-Terphenyl					*74.0*	*72.5*		*18.0-148*				

Method Blank (MB)

(MB) R4075425-1 05/30/24 11:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*83.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4075425-2 05/30/24 11:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.2	76.8	50.0-150	
C22-C32 Hydrocarbons	25.0	17.0	68.0	50.0-150	
(S) o-Terphenyl			*63.7*	*18.0-148*	

L1739342-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-03 05/30/24 15:34 • (MS) R4075425-3 05/30/24 15:48 • (MSD) R4075425-4 05/30/24 16:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	26.9	1.04	20.2	18.1	71.2	63.2	1	50.0-150			10.9	20
C22-C32 Hydrocarbons	26.9	4.01	22.8	24.9	70.0	77.4	1	50.0-150			8.74	20
(S) o-Terphenyl					*55.0*	*46.5*		*18.0-148*				

Method Blank (MB)

(MB) R4072913-1 05/22/24 14:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*83.2*			*10.0-135*
(S) Tetrachloro-m-xylene	*74.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4072913-2 05/22/24 14:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.146	87.4	36.0-141	
PCB 1260	0.167	0.145	86.8	37.0-145	
(S) Decachlorobiphenyl			*78.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*72.2*	*10.0-139*	

L1738614-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738614-06 05/22/24 15:12 • (MS) R4072913-3 05/22/24 15:21 • (MSD) R4072913-4 05/22/24 15:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.173	U	0.146	0.133	84.4	76.6	1	10.0-160			9.67	37
PCB 1260	0.173	U	0.145	0.138	83.8	79.6	1	10.0-160			5.13	38
(S) Decachlorobiphenyl					*82.7*	*81.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*80.0*	*76.1*		*10.0-139*				

Method Blank (MB)

(MB) R4074607-1 05/28/24 10:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*69.8*			*10.0-135*
(S) Tetrachloro-m-xylene	*66.4*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4074607-2 05/28/24 10:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.114	68.3	36.0-141	
PCB 1260	0.167	0.115	68.9	37.0-145	
(S) Decachlorobiphenyl			*63.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*65.6*	*10.0-139*	

L1739476-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739476-01 05/28/24 11:02 • (MS) R4074607-3 05/28/24 11:11 • (MSD) R4074607-4 05/28/24 11:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.221	U	0.205	0.144	93.1	65.8	1	10.0-160	P	P	34.9	37
PCB 1260	0.221	U	0.138	0.0890	62.6	40.6	1	10.0-160	P	J3 P	43.2	38
(S) Decachlorobiphenyl					*61.0*	*49.0*		*10.0-135*				
(S) Tetrachloro-m-xylene					*66.4*	*55.3*		*10.0-139*				

Method Blank (MB)

(MB) R4077989-1 06/05/24 21:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*113*			*10.0-135*
(S) Tetrachloro-m-xylene	*101*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4077989-5 06/05/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.172	103	36.0-141	
PCB 1260	0.167	0.165	98.8	37.0-145	
(S) Decachlorobiphenyl			*100*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1741413-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741413-02 06/05/24 22:22 • (MS) R4077989-6 06/05/24 22:50 • (MSD) R4077989-7 06/05/24 23:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.167	U	0.154	0.156	91.8	93.7	1	10.0-160			1.36	37
PCB 1260	0.167	U	0.176	0.175	105	105	1	10.0-160			0.601	38
(S) Decachlorobiphenyl					*109*	*114*		*10.0-135*				
(S) Tetrachloro-m-xylene					*92.8*	*92.9*		*10.0-139*				

Method Blank (MB)

(MB) R4088275-1 06/29/24 20:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*66.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*73.1*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4088275-7 06/29/24 20:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.104	62.3	36.0-141	
PCB 1260	0.167	0.102	61.1	37.0-145	
(S) Decachlorobiphenyl			*59.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*68.2*	*10.0-139*	

L1749654-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1749654-02 06/30/24 13:58 • (MS) R4088474-3 06/30/24 14:26 • (MSD) R4088474-4 06/30/24 14:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.189	U	0.125	0.142	65.9	74.9	1	10.0-160			12.8	37
PCB 1260	0.189	U	0.115	0.145	60.5	76.6	1	10.0-160			23.6	38
(S) Decachlorobiphenyl					*58.9*	*73.9*		*10.0-135*				
(S) Tetrachloro-m-xylene					*56.9*	*67.6*		*10.0-139*				

Method Blank (MB)

(MB) R4088908-1 07/01/24 22:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*80.2*			*10.0-135*
(S) Tetrachloro-m-xylene	*94.4*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4088908-2 07/01/24 22:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.0932	55.8	36.0-141	
PCB 1260	0.167	0.0835	50.0	37.0-145	
(S) Decachlorobiphenyl			*60.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*73.6*	*10.0-139*	

L1752331-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752331-04 07/02/24 00:45 • (MS) R4088908-3 07/02/24 00:53 • (MSD) R4088908-4 07/02/24 01:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.182	U	0.119	0.101	65.3	55.4	1	10.0-160			16.4	37
PCB 1260	0.182	U	0.100	0.0861	55.1	47.3	1	10.0-160			15.2	38
(S) Decachlorobiphenyl					*62.0*	*43.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*75.7*	*56.8*		*10.0-139*				

Method Blank (MB)

(MB) R4089615-1 07/02/24 18:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0236	0.0680
PCB 1221	U		0.0236	0.0680
PCB 1232	U		0.0236	0.0680
PCB 1242	U		0.0236	0.0680
PCB 1248	U		0.0148	0.0340
PCB 1254	U		0.0148	0.0340
PCB 1260	U		0.0148	0.0340
(S) Decachlorobiphenyl	*78.4*			*10.0-135*
(S) Tetrachloro-m-xylene	*74.9*			*10.0-139*

Sample Narrative:

BLANK: Dilution due to sulfur cleanup.

Laboratory Control Sample (LCS)

(LCS) R4089615-2 07/02/24 18:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.0695	41.6	36.0-141	
PCB 1260	0.167	0.0740	44.3	37.0-145	
(S) Decachlorobiphenyl			*58.3*	*10.0-135*	
(S) Tetrachloro-m-xylene			*55.1*	*10.0-139*	

Sample Narrative:

LCS: Dilution due to sulfur cleanup.

Method Blank (MB)

(MB) R4075641-4 05/30/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4075641-4 05/30/24 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*92.3*			*12.0-120*
(S) Phenol-d5	*88.0*			*10.0-120*
(S) Nitrobenzene-d5	*71.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*88.6*			*15.0-120*
(S) 2,4,6-Tribromophenol	*78.2*			*10.0-127*
(S) p-Terphenyl-d14	*108*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075641-3 05/30/24 21:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.513	77.0	38.0-120	
Acenaphthylene	0.666	0.579	86.9	40.0-120	
Anthracene	0.666	0.595	89.3	42.0-120	
Benzidine	1.33	0.601	45.2	10.0-120	J
Benzo(a)anthracene	0.666	0.633	95.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.567	85.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.563	84.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.646	97.0	43.0-120	
Benzo(a)pyrene	0.666	0.607	91.1	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.379	56.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.427	64.1	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075641-3 05/30/24 21:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.473	71.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.621	93.2	40.0-120	
2-Chloronaphthalene	0.666	0.500	75.1	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.588	88.3	40.0-120	
Chrysene	0.666	0.588	88.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.684	103	44.0-120	
1,2-Dichlorobenzene	0.666	0.473	71.0	32.0-120	
1,3-Dichlorobenzene	0.666	0.473	71.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.509	76.4	31.0-120	
3,3-Dichlorobenzidine	1.33	1.19	89.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.638	95.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.625	93.8	42.0-120	
Fluoranthene	0.666	0.609	91.4	44.0-120	
Fluorene	0.666	0.545	81.8	41.0-120	
Hexachlorobenzene	0.666	0.566	85.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.397	59.6	15.0-120	
Hexachlorocyclopentadiene	0.666	0.473	71.0	15.0-120	
Hexachloroethane	0.666	0.462	69.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.731	110	45.0-120	
Isophorone	0.666	0.388	58.3	23.0-120	
Naphthalene	0.666	0.402	60.4	18.0-120	
Nitrobenzene	0.666	0.358	53.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.330	49.5	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.552	82.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.454	68.2	26.0-120	
Phenanthrene	0.666	0.563	84.5	42.0-120	
Benzylbutyl phthalate	0.666	0.635	95.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.642	96.4	41.0-120	
Di-n-butyl phthalate	0.666	0.583	87.5	43.0-120	
Diethyl phthalate	0.666	0.601	90.2	43.0-120	
Dimethyl phthalate	0.666	0.569	85.4	43.0-120	
Di-n-octyl phthalate	0.666	0.647	97.1	40.0-120	
Pyrene	0.666	0.593	89.0	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.424	63.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.455	68.3	28.0-120	
2-Chlorophenol	0.666	0.524	78.7	28.0-120	
2,4-Dichlorophenol	0.666	0.451	67.7	25.0-120	
2,4-Dimethylphenol	0.666	0.396	59.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.798	120	16.0-120	
2,4-Dinitrophenol	0.666	0.671	101	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075641-3 05/30/24 21:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.495	74.3	20.0-120	
4-Nitrophenol	0.666	0.650	97.6	27.0-120	
Pentachlorophenol	0.666	0.451	67.7	29.0-120	
Phenol	0.666	0.491	73.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.555	83.3	37.0-120	
(S) 2-Fluorophenol			*85.7*	*12.0-120*	
(S) Phenol-d5			*80.9*	*10.0-120*	
(S) Nitrobenzene-d5			*52.3*	*10.0-122*	
(S) 2-Fluorobiphenyl			*79.0*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*87.8*	*10.0-127*	
(S) p-Terphenyl-d14			*91.6*	*10.0-120*	

L1738627-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-02 05/31/24 02:48 • (MS) R4075641-1 05/31/24 03:13 • (MSD) R4075641-2 05/31/24 03:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.727	U	0.664	0.590	91.3	80.6	10	18.0-120			11.7	32
Acenaphthylene	0.727	U	0.716	0.653	98.5	89.2	10	25.0-120			9.29	32
Anthracene	0.727	U	0.724	0.695	99.5	95.0	10	22.0-120			4.09	29
Benzidine	1.45	U	0.772	0.808	53.2	55.3	10	10.0-120	J	J	4.52	40
Benzo(a)anthracene	0.727	0.0655	0.806	0.773	111	106	10	25.0-120			4.10	29
Benzo(b)fluoranthene	0.727	0.0977	0.774	0.707	93.0	83.3	10	19.0-122			9.04	31
Benzo(k)fluoranthene	0.727	U	0.682	0.648	93.7	88.6	10	23.0-120			5.03	30
Benzo(g,h,i)perylene	0.727	U	0.590	0.562	81.1	76.8	10	10.0-120			4.84	33
Benzo(a)pyrene	0.727	0.0815	0.769	0.723	94.5	87.7	10	24.0-120			6.13	30
Bis(2-chlorethoxy)methane	0.727	U	0.571	0.493	78.5	67.4	10	10.0-120	J	J	14.7	34
Bis(2-chloroethyl)ether	0.727	U	0.628	0.532	86.3	72.7	10	10.0-120	J	J	16.5	40
2,2-Oxybis(1-Chloropropane)	0.727	U	0.630	0.518	86.7	70.7	10	10.0-120	J	J	19.6	40
4-Bromophenyl-phenylether	0.727	U	0.744	0.711	102	97.1	10	27.0-120	J	J	4.60	30
2-Chloronaphthalene	0.727	U	0.635	0.562	87.3	76.8	10	20.0-120			12.1	32
4-Chlorophenyl-phenylether	0.727	U	0.703	0.664	96.6	90.7	10	24.0-120	J	J	5.71	29
Chrysene	0.727	0.0878	0.815	0.741	99.9	89.2	10	21.0-120			9.47	29
Dibenz(a,h)anthracene	0.727	U	0.617	0.639	84.8	87.3	10	10.0-120			3.55	32
1,2-Dichlorobenzene	0.727	U	0.590	0.486	81.1	66.5	10	10.0-120	J	J	19.3	38
1,3-Dichlorobenzene	0.727	U	0.586	0.466	80.5	63.7	10	10.0-120	J	J	22.7	40
1,4-Dichlorobenzene	0.727	U	0.648	0.537	89.1	73.3	10	10.0-120	J	J	18.8	39
3,3-Dichlorobenzidine	1.45	U	1.38	1.44	95.4	98.5	10	10.0-120	J	J	3.95	34
2,4-Dinitrotoluene	0.727	U	0.685	0.665	94.2	90.9	10	30.0-120	J	J	2.98	31

L1738627-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-02 05/31/24 02:48 • (MS) R4075641-1 05/31/24 03:13 • (MSD) R4075641-2 05/31/24 03:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.727	U	0.712	0.665	97.9	90.9	10	25.0-120	J	J	6.81	31
Fluoranthene	0.727	0.0734	0.813	0.760	102	93.8	10	18.0-126			6.81	32
Fluorene	0.727	U	0.682	0.627	93.7	85.7	10	25.0-120			8.35	30
Hexachlorobenzene	0.727	U	0.685	0.663	94.2	90.5	10	27.0-120	J	J	3.31	28
Hexachloro-1,3-butadiene	0.727	U	0.608	0.530	83.6	72.4	10	10.0-120	J	J	13.7	38
Hexachlorocyclopentadiene	0.727	U	U	U	2.64	4.47	10	10.0-120	J J6	J J3 J6	52.0	40
Hexachloroethane	0.727	U	0.517	0.436	71.0	59.6	10	10.0-120	J	J	16.9	40
Indeno(1,2,3-cd)pyrene	0.727	U	0.743	0.720	102	98.3	10	10.0-120			3.20	32
Isophorone	0.727	U	0.571	0.511	78.5	69.8	10	13.0-120	J	J	11.1	34
Naphthalene	0.727	U	0.616	0.533	84.7	72.9	10	10.0-120			14.4	35
Nitrobenzene	0.727	U	0.530	0.456	72.9	62.3	10	10.0-120	J	J	14.9	36
n-Nitrosodimethylamine	0.727	U	U	U	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.727	U	0.661	0.630	90.8	86.1	10	17.0-120	J	J	4.67	29
n-Nitrosodi-n-propylamine	0.727	U	0.565	0.497	77.6	67.8	10	10.0-120	J	J	12.8	37
Phenanthrene	0.727	U	0.720	0.691	98.9	94.4	10	17.0-120			4.11	31
Benzylbutyl phthalate	0.727	U	0.752	0.733	103	100	10	23.0-120	J	J	2.55	30
Bis(2-ethylhexyl)phthalate	0.727	U	0.749	0.727	103	99.4	10	17.0-126	J	J	2.87	30
Di-n-butyl phthalate	0.727	U	0.741	0.704	102	96.2	10	30.0-120	J	J	5.10	29
Diethyl phthalate	0.727	U	0.714	0.685	98.2	93.6	10	26.0-120	J	J	4.15	28
Dimethyl phthalate	0.727	U	U	U	93.6	87.0	10	25.0-120	J	J	6.60	29
Di-n-octyl phthalate	0.727	U	0.935	0.953	129	130	10	21.0-123	J J5	J J5	1.89	29
Pyrene	0.727	0.0896	0.813	0.754	99.5	90.8	10	16.0-121			7.54	32
1,2,4-Trichlorobenzene	0.727	U	0.650	0.544	89.4	74.4	10	12.0-120	J	J	17.7	37
4-Chloro-3-methylphenol	0.727	U	0.653	0.620	89.7	84.8	10	15.0-120	J	J	5.08	30
2-Chlorophenol	0.727	U	0.642	0.573	88.2	78.4	10	15.0-120	J	J	11.2	37
2,4-Dichlorophenol	0.727	U	0.665	0.634	91.4	86.6	10	20.0-120	J	J	4.81	31
2,4-Dimethylphenol	0.727	U	0.609	0.533	83.7	72.9	10	10.0-120	J	J	13.3	33
4,6-Dinitro-2-methylphenol	0.727	U	U	U	45.7	48.8	10	10.0-120	J	J	7.12	39
2,4-Dinitrophenol	0.652	U	U	U	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.727	U	0.654	0.581	89.9	79.4	10	12.0-120	J	J	11.7	39
4-Nitrophenol	0.727	U	0.669	0.630	92.0	86.1	10	10.0-137	J	J	6.01	32
Pentachlorophenol	0.727	U	1.10	1.06	152	144	10	10.0-160	J	J	4.34	31
Phenol	0.727	U	0.610	0.544	83.9	74.4	10	12.0-120	J	J	11.4	38
2,4,6-Trichlorophenol	0.727	U	0.685	0.635	94.2	86.7	10	19.0-120	J	J	7.61	32
(S) 2-Fluorophenol					*98.0*	*84.5*		*12.0-120*				
(S) Phenol-d5					*90.8*	*77.3*		*10.0-120*				
(S) Nitrobenzene-d5					*71.2*	*59.8*		*10.0-122*				
(S) 2-Fluorobiphenyl					*92.6*	*77.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*91.7*	*89.5*		*10.0-127*				

L1738627-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-02 05/31/24 02:48 • (MS) R4075641-1 05/31/24 03:13 • (MSD) R4075641-2 05/31/24 03:37

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*96.6*	*97.6*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

MS: Dilution due to matrix impact during extract concentration procedure

MSD: Dilution due to matrix impact during extract concentration procedure

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.

GLOSSARY OF TERMS

Qualifier	Description
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA.

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project #
1793.00305000.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Ayuyao + A. Vonk.

Site/Facility ID #
—

P.O. #
—

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #
—

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres (PVOC)	V8270 4ozClr-NoPres (SVOC)	8260 40mlAmb/MeOH10ml/Syr (VOC)	HOLD			Remarks	Sample # (lab only)
G-A1-1-1.0	Grab	SS	1'	05/20/24	0812	3-4				X	X		X				-01
G-A1-1-2.0		SS	2'		0822						X	X	X				-02
G-A1-1-3.0		SS	3'		0828						X	X	X				-03
G-A1-1-4.0		SS	4'		0843								X				-04
G-A1-1-5.0		SS	5'		0847							X	X				-05
G/BS-A2-1-1.0		SS	1'		0910					X	X		X				-06
G/BS-A2-1-2.0		SS	2'		0918						X	X	X				-07
G/BS-A2-1-3.0		SS	3'		0925						X	X	X				-08
G/BS-A2-1-4.0		SS	4'		0935								X				-09
G/BS-A2-1-5.0	—	SS	5'	↓	0942	↓						X	X				-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1358627
A128

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	05/20/24	1540		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/20/24	16:30	SWA CMGO	2.0+0.1=2.1	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				05-21-24 1200	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland / CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00305000

Lab Project # **ROUXOCA-CA**

Collected by (print): Jessica / Annaka

Site/Facility ID # —

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	6ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD			Remarks	Sample # (lab only)
UC-A2-1-1.0	Grab	SS	1	5/20/24	1320	3			X	X	X		X				-11
UC-A2-1-2.0		SS	2		1330				X		X		X				-12
UC-A2-1-3.0		SS	3		1337		X	X	X		X	X	X			NO VOCs	-13
UC-A2-1-4.0		SS	4		1350								X				-14
UC-A2-1-5.0		SS	5		1400		X	X				X					-15
UC-A2-1-8.0		SS	8		1412								X				-16
UC-A2-1-10.0		SS	10		1422							X					-17
G/BS-A3-1-1.0		SS	1		1015				X	X	X						-18
G/BS-A3-1-2.0		SS	2		1025				X	X	X	X					-19
G/BS-A3-1-3.0	↓	SS	3	↓	1035	↓	X	X	X		X						-20

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	05/20/24	1540	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/20/24	16:30	SWS CRL68
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: Time:

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page 2 of 4

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1758027

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00205000

Lab Project # **ROUXOCA-CA**

Collected by (print): Jessie Arnold

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD	Remarks	Sample # (lab only)
G/BS-A3-1-4.0	Grab	SS	4	5/20/24	1042	3-4							X		-21
G/BS-A3-1-5.0		SS	5		1050		X	X				X			-22
UC-A3-1-1.0		SS	1		1120	3			X	X	X				-23
UC-A3-1-2.0		SS	2		1130	3						X			-24
UC-A3-1-3.0		SS	3		1135	3	X	X	X						-25
UC-A3-1-4.0		SS	4		1145	3							X		-26
UC-A3-1-5.0		SS	5		1152		X	X				X			-27
UC-A3-1-8.0		SS	8		1200		X	X				X	X		-28
UC-A3-1-10.0		SS	10		1210							X			-29

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	05/20/24	1510			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/20/24	16:30	SWA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

Chain of Custody Page 3 of 4

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SDG # L1358627

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland CA.

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00305000

Lab Project # **ROUXOCA-CA**

Collected by (print): T. Aguayo & A. Vonk

Site/Facility ID # –

P.O. # –

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # –

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres (PCBs)	V8270 4ozClr-NoPres (SVOCs)	8260 40mlAmb/MeOH10ml/Syr (VOCs)	HOLD.			Remarks	Sample # (lab only)
BS-B1-1-1.0	Grab	SS	1	05/20/24	1500	3	X		X	X	X		X				-30
BS-B1-1-2.0	↓	SS	2	↓	1505				X		X	X	X				-31
BS-B1-1-3.0		SS	3		1510		X	X	X		X	X	X				-32
BS-B1-1-4.0		SS	4		1515								X				-33
BS-B1-1-5.0	↓	SS	5	↓	1522	↓	X	X				X	X				-34
EB-052024.	Grab.	SS	–	↓	1530	4	X	X	X	X	X	X					-35
TB-052024.	–	SS	–	(A)	1200						X						-36
		SS															
		SS															
		SS															

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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SDG # L1358627

Table #

Acctnum: **ROUXOCA**

Template: **T253291**

Prelogin: **P1076441**

PM: **3500 - Jennifer Gambill**

PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 5/20/24	Time: 1540.	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 5/20/24	Time: 16:30	Received by: (Signature) JUNA CARCO	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

L17386027

Tracking Numbers		Temperature
SWA		20 to 21=21
SWA		1.7 to 1=2.8

Troy C
Name

05-21-24
Date

5/21-NCF-L1738627 ROUXOCA

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) Jennifer Gambill

Due on *24 May 2024 8:00 AM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

1738627

Comments

Hailey Robertson *21 May 2024 3:23 PM*

1) For ID: EB-052024 we did not receive the 8082 or 8270 containers.
2) For the trip blank the client marks SV8270 but I currently have it logged as V8260.

Jennifer Gambill *21 May 2024 3:43 PM*

Please run VOCs by 8260 for the Trip Blank.

Jennifer Gambill *21 May 2024 4:35 PM*

Per client concerning sample EB-052024:
The EB-052024 sample should have only been noted for VOC, TPH-g, -d, -mo (DROCAERLVI, GROCA), and total metals analysis.

Hailey Robertson *21 May 2024 4:36 PM*

Done

Pace Analytical National

Login Confirmation Report

May 22, 2024 - 15:14

Account: ROUXOCA - Roux - Oakland, CA

SDG	L1738627	Receive Date: 05/21/2024	Project Manager: Jennifer Gambill
Template #			Entered By: Hailey R Melson
Report to:	Josh Osborne 555 12th Street Suite 250 Oakland, CA 94607	Lab Project Number: ROUXOCA-CA Client Project # 1793.00308000 Project Description: Collected By: JA/AV Reg. State: CA	**Report MDL: Y** **HDC: N** PO # PO Req: N Terms: 20 Quote #
Phone:	(415) 967-6000		
Email:	josborne@rouxinc.com;rmaxwell@rouxinc.com		

Project Manager Notes: ****Only use AEI flow controllers for the SUMMA1L.****

BNSF Site has no MLF.

Air EDD, report in ug/m3.

Matrix	Test	Sample ID	Collection Date	Design ID	Method	Unit Price
L1738627-01		**G-A1-1-1.0**	**05/20/2024 08:12** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: SVOC, CAM17 Metals, PCBs Hold: TPHg/d/mo			$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
Misc	ENERGY	Environmental Impact Fee				$ 0.00
Misc	SCLOGFRT	Logistical Freight				$ 0.00
L1738627-02		**G-A1-1-2.0**	**05/20/2024 08:22** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, CAM17 Metals Hold: TPHg/d/mo and PCBs			$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-03		**G-A1-1-3.0**	**05/20/2024 08:28** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, TPHg/d/mo, CAM17 Metals Hold: PCBs			$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-04		**G-A1-1-4.0**	**05/20/2024 08:43** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00

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L1738627-05		**G-A1-1-5.0**	**05/20/2024 08:47** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: VOCs, TPHg/d/mo Hold: SVOC, CAM17 Metals, PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-06		**G/BS-A2-1-1.0**	**05/20/2024 09:10** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: SVOC, CAM17 Metals, PCBs Hold: TPHg/d/mo		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-07		**G/BS-A2-1-2.0**	**05/20/2024 09:18** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: VOCs, SVOC, CAM17 Metals Hold: TPHg/d/mo and PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-08		**G/BS-A2-1-3.0**	**05/20/2024 09:25** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: VOCs, SVOC, TPHg/d/mo, CAM17 Metals Hold: PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-09		**G/BS-A2-1-4.0**	**05/20/2024 09:35** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold			$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-10		**G/BS-A2-1-5.0**	**05/20/2024 09:42** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: VOCs, TPHg/d/mo Hold: SVOC, CAM17 Metals, PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-11		**UC-A2-1-1.0**	**05/20/2024 13:20** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: SVOC, CAM17 Metals, PCBs Hold: TPHg/d/mo		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-12		**UC-A2-1-2.0**	**05/20/2024 13:30** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: VOCs, SVOC, CAM17 Metals Hold: TPHg/d/mo and PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1738627-13		**UC-A2-1-3.0**	**05/20/2024 13:37** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold	Analyze: SVOC, TPHg/d/mo, CAM17 Metals Hold: VOCs and PCBs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00

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L1738627-14		**UC-A2-1-4.0**	**05/20/2024 13:50** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-15		**UC-A2-1-5.0**	**05/20/2024 14:00** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA	Analyze: VOCs, TPHg/d/mo	UDEFAULT	8015	$ 60.00
SS	TERRACORE	Terracore 5035 kit	Hold: SVOC, CAM17 Metals, PCBs			$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-16		**UC-A2-1-8.0**	**05/20/2024 14:12** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-17		**UC-A2-1-10.0**	**05/20/2024 14:22** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids	Analyze: VOCs	DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles	Hold: SVOC, TPHg/d/mo, CAM17 Metals, PCBs	UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00

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L1738627-18		**G/BS-A3-1-1.0**	**05/20/2024 10:15** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	M6010CAM17	California Title 22 Metals List				$ 166.25
SS	AGICP	Silver		UDEFAULT	6010B	$ 0.00
SS	ASICP	Arsenic		UDEFAULT	6010B	$ 0.00
SS	BAICP	Barium		UDEFAULT	6010B	$ 0.00
SS	BEICP	Beryllium		UDEFAULT	6010B	$ 0.00
SS	CDICP	Cadmium		UDEFAULT	6010B	$ 0.00
SS	COICP	Cobalt	Analyze: as listed here Hold: TPHg/d/mo	UDEFAULT	6010B	$ 0.00
SS	CRICP	Chromium		UDEFAULT	6010B	$ 0.00
SS	CUICP	Copper		UDEFAULT	6010B	$ 0.00
SS	HG	Mercury		UDEFAULT	7471A	$ 0.00
SS	MOICP	Molybdenum		UDEFAULT	6010B	$ 0.00
SS	NIICP	Nickel		UDEFAULT	6010B	$ 0.00
SS	PBICP	Lead by 6010B		UDEFAULT	6010B	$ 0.00
SS	SBICP	Antimony		UDEFAULT	6010B	$ 0.00
SS	SEICP	Selenium		UDEFAULT	6010B	$ 0.00
SS	TLICP	Thallium		UDEFAULT	6010B	$ 0.00
SS	VICP	Vanadium		UDEFAULT	6010B	$ 0.00
SS	ZNICP	Zinc		UDEFAULT	6010B	$ 0.00
SS	SV8082	PCBs		UDEFAULT	8082	$ 112.50
SS	SV8270	SVOCs by 8270C		UDEFAULT	8270C	$ 252.50
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-19		**G/BS-A3-1-2.0**	**05/20/2024 10:25** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	M6010CAM17	California Title 22 Metals List				$ 166.25
SS	SV8082	~~PCBs~~		UDEFAULT	8082	$ 112.50
SS	SV8270	SVOCs by 8270C	Analyze: VOCs, SVOC, CAM17 Metals Hold: TPHg/d/mo and PCBs	UDEFAULT	8270C	$ 252.50
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-20		**G/BS-A3-1-3.0**	**05/20/2024 10:35** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA		UDEFAULT	8015	$ 60.00
SS	M6010CAM17	California Title 22 Metals List				$ 166.25
SS	SV8270	SVOCs by 8270C	Analyze: VOCs, SVOC, TPHg/d/mo, CAM17 Metals Hold: PCBs	UDEFAULT	8270C	$ 252.50
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-21		**G/BS-A3-1-4.0**	**05/20/2024 10:42** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00

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L1738627-22		**G/BS-A3-1-5.0**	**05/20/2024 10:50** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA	Analyze: VOCs, and TPHg/d/mo	UDEFAULT	8015	$ 60.00
SS	TERRACORE	Terracore 5035 kit	Hold: SVOCs, CAM17 Metals, and PCBs			$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-23		**UC-A3-1-1.0**	**05/20/2024 11:20** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	M6010CAM17	California Title 22 Metals List				$ 166.25
SS	SV8082	PCBs	Analyze: as listed here	UDEFAULT	8082	$ 112.50
SS	SV8270	SVOCs by 8270C	Hold: TPHg/d/mo	UDEFAULT	8270C	$ 252.50
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-24		**UC-A3-1-2.0**	**05/20/2024 11:30** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids	Analyze: VOCs, SVOCs ,CAM17 Metals, and PCBs	DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles	Hold: TPHg/d/mo	UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-25		**UC-A3-1-3.0**	**05/20/2024 11:35** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA	Analyze: SVOCs, TPHg/d/mo, CAM17 Metals	UDEFAULT	8015	$ 60.00
SS	M6010CAM17	California Title 22 Metals List	Hold: VOCs and PCBs			$ 166.25
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-26		**UC-A3-1-4.0**	**05/20/2024 11:45** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-27		**UC-A3-1-5.0**	**05/20/2024 11:52** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA		UDEFAULT	8015	$ 60.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, and TPHg/d/mo			$ 15.00
SS	TS	Total Solids	Hold: SVOCs, CAM17 Metals, and PCBs	DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00

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L1738627-28		**UC-A3-1-8.0**	**05/20/2024 12:00** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-29		**UC-A3-1-10.0**	**05/20/2024 12:10** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		:FAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		)EFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-30		**BS-B1-1-1.0**	**05/20/2024 15:00** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-31		**BS-B1-1-2.0**	**05/20/2024 15:05** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-32		**BS-B1-1-3.0**	**05/20/2024 15:10** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-33		**BS-B1-1-4.0**	**05/20/2024 15:15** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-34		**BS-B1-1-5.0**	**05/20/2024 15:22** Sample Description: AB&I Redevelopment	**Site:**		**Est. Due Date*: 05/29/2024 - RX**
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00

Analyze: VOCs
Hold: TPHg/d/mo, SVOCs, CAM17 Metals, and PCBs

Analyze: SVOCs, CAM17 Metals, PCBs
Hold: TPHg/d/mo

Analyze: VOCs, SVOCs, CAM17 Metals
Hold: TPHg/d/mo, PCBs

Analyze: VOCs, SVOCs, TPHg/d/mo, CAM17 Metals
Hold: PCBs

Analyze: VOCs, TPHg/d/mo
Hold: SVOCs, CAM17 Metals, PCBs

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L1738627-35		**EB-052024**	**05/20/2024 15:30** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
GW	DROCAERLVI	DRO/ORO California Extended by LVI		UPPB	3511/8015	$ 86.25
GW	GROCA	GROCA		UPPB	8015	$ 60.00
GW	M6010CAM17	California Title 22 Metals List				$ 166.25
GW	AGG	Silver by ICPMS		UDEFAULT	6020	$ 0.00
GW	ASG	Arsenic by ICPMS		UDEFAULT	6020	$ 0.00
GW	BAG	Barium by ICPMS		UDEFAULT	6020	$ 0.00
GW	BEG	Beryllium by ICPMS		UDEFAULT	6020	$ 0.00
GW	CDG	Cadmium by ICPMS		UDEFAULT	6020	$ 0.00
GW	COG	Cobalt by ICPMS		UDEFAULT	6020	$ 0.00
GW	CRG	Chromium by ICPMS		UDEFAULT	6020	$ 0.00
GW	CUG	Copper by ICPMS		UDEFAULT	6020	$ 0.00
GW	HG	Mercury		UDEFAULT	7470A	$ 0.00
GW	MOG	Molybdenum by ICPMS		UDEFAULT	6020	$ 0.00
GW	NIG	Nickel by ICPMS		UDEFAULT	6020	$ 0.00
GW	PBG	Lead by ICPMS		UDEFAULT	6020	$ 0.00
GW	SBG	Antimony by ICPMS		UDEFAULT	6020	$ 0.00
GW	SEG	Selenium by ICPMS		UDEFAULT	6020	$ 0.00
GW	TLG	Thallium by ICPMS		UDEFAULT	6020	$ 0.00
GW	VG	Vanadium by ICPMS		UDEFAULT	6020	$ 0.00
GW	ZNG	Zinc by ICPMS		UDEFAULT	6020	$ 0.00
GW	V8260	VOCs by 8260		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1738627-36		**TB-052024**	**05/20/2024 12:00** Sample Description: AB&I Redevelopment	**Site:**	**Est. Due Date*: 05/29/2024 - RX**	
GW	V8260	VOCs by 8260		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00

Information Only - Not An Invoice - Do Not Pay! Total: $ 5,122.00

*** Due Date listed is an estimate based on average workloads. Please communicate required dates to your Project Manager.**

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ROUXOCA / L1738627 / Remove from Hold

R2/R3/R4/RX/EX

For sample set L1738627, the client would like to start taking samples off of hold. Please see the attached confirmation with hightlighted comments from client. Please let me know if there are any questions.

Time estimate: oh **Time spent:** oh

Members

Jennifer Gambill

ANALYTICAL REPORT

October 01, 2024

Revised Report

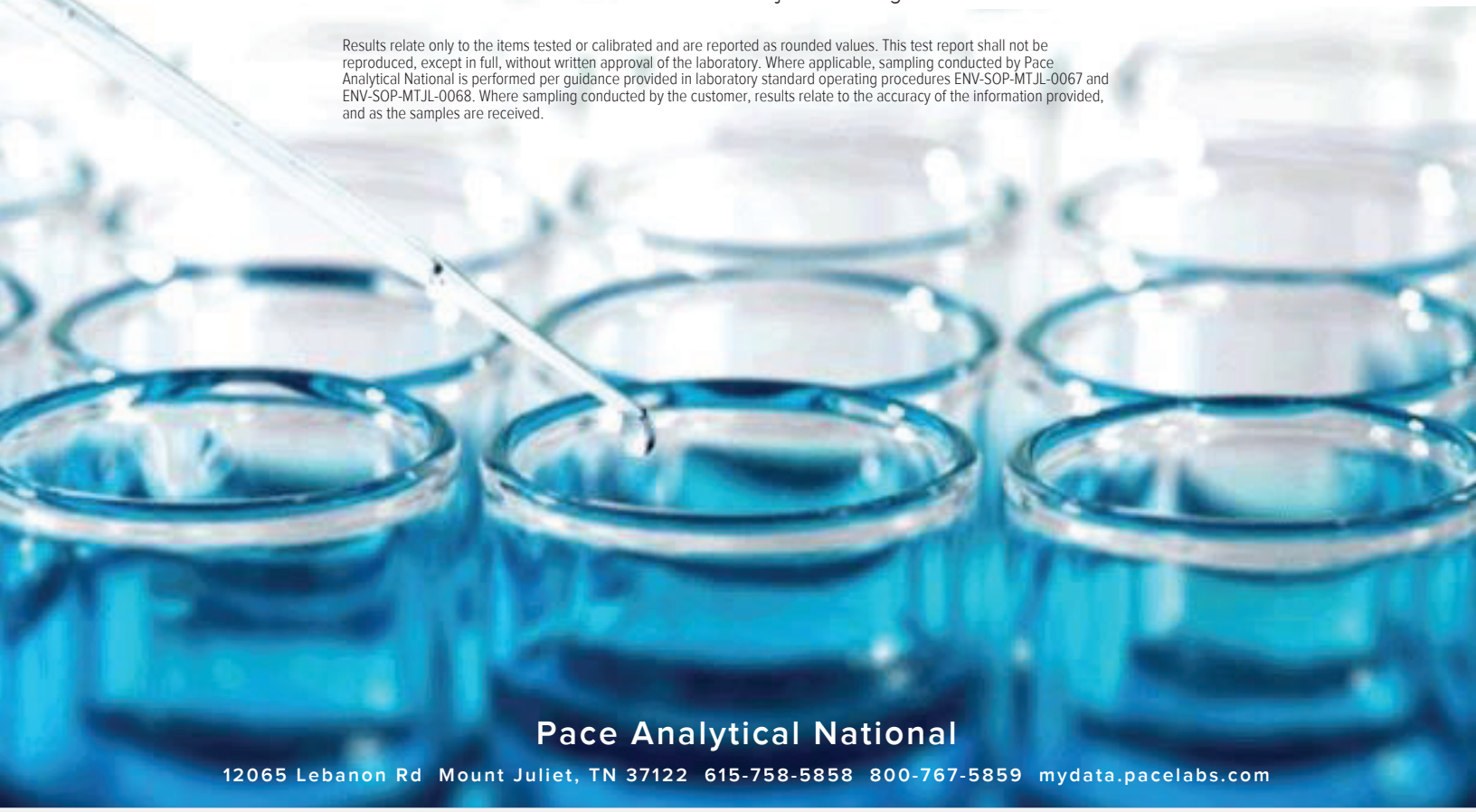
Roux - Oakland, CA

Sample Delivery Group:	L1739342
Samples Received:	05/22/2024
Project Number:	1793.00305000
Description:	AB&I Redevelopment
Site:	AB&I
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G/UC-B1-1-1.0 L1739342-01 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:15 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 14:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:17	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/30/24 15:01	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 20:52	NJK	Mt. Juliet, TN

G/UC-B1-1-2.0 L1739342-02 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:25 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295049	1	05/29/24 15:47	05/29/24 21:57	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:39	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1.21	05/21/24 08:25	05/29/24 22:35	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 22:41	DSH	Mt. Juliet, TN

G/UC-B1-1-3.0 L1739342-03 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:35 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 14:58	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:19	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 08:35	05/29/24 16:26	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 08:35	05/29/24 22:55	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 15:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2300034	1	06/06/24 15:34	06/07/24 04:10	DSH	Mt. Juliet, TN

G/UC-B1-1-4.0 L1739342-04 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:45 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298380	1	06/04/24 14:37	06/04/24 14:49	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:04	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1	05/21/24 08:45	06/04/24 17:59	JHH	Mt. Juliet, TN

G/UC-B1-1-5.0 L1739342-05 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:55 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 08:55	05/29/24 16:45	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1.08	05/21/24 08:55	06/04/24 18:18	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 16:33	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 20:11	NJK	Mt. Juliet, TN

G/UC-B1-1-8.0 L1739342-06 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:05 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298380	1	06/04/24 14:37	06/04/24 14:49	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1	05/21/24 09:05	06/04/24 18:37	JHH	Mt. Juliet, TN

G/UC-B1-1-10.0 L1739342-07 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:15 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1	05/21/24 09:15	06/04/24 18:56	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 17:26	NJK	Mt. Juliet, TN

G-B2-1-1.0 L1739342-08 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:45 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:05	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:21	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	5	05/30/24 08:24	06/01/24 13:17	RDS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/30/24 15:29	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 19:30	NJK	Mt. Juliet, TN

G-B2-1-2.0 L1739342-09 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:55 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:08	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:22	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	5	05/30/24 08:24	06/01/24 13:20	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 09:55	05/29/24 23:16	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/30/24 15:38	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 18:48	NJK	Mt. Juliet, TN

G-B2-1-3.0 L1739342-10 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:05 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:10	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:24	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	10	05/30/24 08:24	06/01/24 13:24	RDS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	20	05/30/24 08:24	06/01/24 15:54	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	38.3	05/21/24 10:05	05/29/24 17:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 10:05	05/29/24 23:35	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 17:44	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 19:09	NJK	Mt. Juliet, TN

G-B2-1-4.0 L1739342-11 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:15 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2311827	1	06/26/24 13:38	06/26/24 13:44	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2313442	1	06/27/24 16:19	06/27/24 20:14	ZSA	Mt. Juliet, TN

G-B2-1-5.0 L1739342-12 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:25 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1	05/21/24 10:25	06/04/24 19:15	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 17:30	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 20:31	NJK	Mt. Juliet, TN

G-B3-1-1.0 L1739342-13 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 14:32 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294978	1	05/30/24 07:05	05/30/24 07:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:13	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 18:20	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 02:19	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 22:14	JRM	Mt. Juliet, TN

G-B3-1-2.0 L1739342-14 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 14:38 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:15	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 20:09	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298045	1	06/04/24 08:49	06/04/24 20:20	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 14:38	05/29/24 23:56	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 02:11	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 18:28	NJK	Mt. Juliet, TN

G-B3-1-3.0 L1739342-15 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 14:40 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:18	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 18:21	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 14:40	05/29/24 17:24	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 14:40	05/30/24 00:16	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 13:37	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 17:46	NJK	Mt. Juliet, TN

G-B3-1-4.0 L1739342-16 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 14:48 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298380	1	06/04/24 14:37	06/04/24 14:49	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:06	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298400	1	05/21/24 14:48	06/04/24 19:34	JHH	Mt. Juliet, TN

G-B3-1-5.0 L1739342-17 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 14:50 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 14:50	05/29/24 17:43	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 14:50	05/30/24 00:36	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 16:18	JAS	Mt. Juliet, TN

GW-5-14.5 L1739342-18 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:30 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2292490	1	05/24/24 09:12	05/24/24 09:20	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	25	05/21/24 13:30	05/26/24 04:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293082	1	05/21/24 13:30	05/25/24 20:45	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	1	05/24/24 07:27	05/24/24 19:00	KDB	Mt. Juliet, TN

TB-01-052124 L1739342-19 GW

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 12:00 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295042	1	05/30/24 10:36	05/30/24 10:36	JHH	Mt. Juliet, TN

BS-C1-1-1.0 L1739342-20 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:30 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295049	1	05/29/24 15:47	05/29/24 22:07	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 18:23	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 03:21	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	2	05/30/24 07:01	05/31/24 08:33	DSH	Mt. Juliet, TN

BS-C1-1-2.0 L1739342-21 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:35 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295049	1	05/29/24 15:47	05/29/24 22:14	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 18:25	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2303292	1	06/12/24 14:13	06/13/24 11:00	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 08:35	05/30/24 00:56	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 19:50	NJK	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

BS-C1-1-3.0 L1739342-22 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:41 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2294985	1	05/29/24 14:56	05/29/24 15:10	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295049	1	05/29/24 15:47	05/29/24 22:17	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295058	1	05/30/24 08:24	05/31/24 17:45	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 08:41	05/29/24 18:02	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 08:41	05/30/24 01:16	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 17:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	1	05/30/24 07:01	05/30/24 21:54	NJK	Mt. Juliet, TN

BS-C1-1-5.0 L1739342-24 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 08:58 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 08:58	05/29/24 18:21	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 08:58	05/30/24 01:37	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	10	05/30/24 06:42	05/31/24 09:29	JAS	Mt. Juliet, TN

G/UC-C1-1-1.0 L1739342-25 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:35 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:20	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:47	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25	05/21/24 09:35	06/05/24 01:16	ACG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 03:30	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	10	05/30/24 07:01	05/31/24 06:50	DSH	Mt. Juliet, TN

G/UC-C1-1-2.0 L1739342-26 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:50 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:22	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:48	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	30.5	05/21/24 09:50	06/05/24 01:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295400	1.15	05/21/24 09:50	05/30/24 15:16	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/06/24 19:13	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	10	05/30/24 07:01	05/31/24 07:10	DSH	Mt. Juliet, TN

G/UC-C1-1-3.0 L1739342-27 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 09:51 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:25	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:50	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	27.3	05/21/24 09:51	05/29/24 18:41	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	100	05/30/24 06:42	05/30/24 19:54	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	10	05/30/24 07:01	05/31/24 07:31	DSH	Mt. Juliet, TN

G/UC-C1-1-4.0 L1739342-28 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:07 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298380	1	06/04/24 14:37	06/04/24 14:49	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	31	05/21/24 10:07	06/05/24 02:02	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/06/24 19:28	JAS	Mt. Juliet, TN

G/UC-C1-1-5.0 L1739342-29 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:08 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 10:08	05/29/24 19:00	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 10:08	05/30/24 01:57	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295238	1	05/30/24 06:42	05/30/24 17:16	JAS	Mt. Juliet, TN

G/UC-C1-1-10.0 L1739342-31 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 10:27 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 10:27	05/30/24 02:17	JHH	Mt. Juliet, TN

G-C2-1-1.0 L1739342-32 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 11:18 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:27	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:58	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25	05/21/24 11:18	06/05/24 02:25	ACG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 02:37	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	10	05/30/24 07:01	05/31/24 07:51	DSH	Mt. Juliet, TN

G-C2-1-2.0 L1739342-33 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 11:30 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:34	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 13:59	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25	05/21/24 11:30	06/05/24 02:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 11:30	05/30/24 02:38	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/06/24 18:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295242	10	05/30/24 07:01	05/31/24 08:12	DSH	Mt. Juliet, TN

G-C2-1-3.0 L1739342-34 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 11:45 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:37	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 14:01	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295424	26.3	05/21/24 11:45	05/30/24 12:56	JAH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-C2-1-3.0 L1739342-34 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 11:45 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295400	1	05/21/24 11:45	05/30/24 15:35	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	200	05/30/24 06:53	05/31/24 11:54	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	20	05/30/24 07:05	06/01/24 00:50	AMS	Mt. Juliet, TN

G-C2-1-4.0 L1739342-35 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 11:55 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302291	1	06/10/24 16:13	06/10/24 16:19	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25	05/21/24 11:55	06/05/24 03:11	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/06/24 20:11	JAS	Mt. Juliet, TN

G-C2-1-5.0 L1739342-36 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 12:05 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295025	1	05/29/24 15:13	05/29/24 15:29	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	28	05/21/24 12:05	05/29/24 19:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 12:05	05/30/24 02:58	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 19:18	JAS	Mt. Juliet, TN

G-C3-1-1.0 L1739342-37 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:10 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295026	1	05/30/24 07:17	05/30/24 07:27	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:39	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 14:03	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	29.3	05/21/24 13:10	06/05/24 03:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/07/24 12:34	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2295241	1	05/30/24 07:21	05/31/24 03:12	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	06/02/24 10:38	ALM	Mt. Juliet, TN

G-C3-1-2.0 L1739342-38 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:17 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295026	1	05/30/24 07:17	05/30/24 07:27	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:42	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 14:04	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25	05/21/24 13:17	06/05/24 03:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295165	1	05/21/24 13:17	05/30/24 03:18	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	1	06/06/24 05:50	06/06/24 15:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	1	05/30/24 07:05	05/31/24 19:31	DSH	Mt. Juliet, TN

G-C3-1-3.0 L1739342-39 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:21 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295026	1	05/30/24 07:17	05/30/24 07:27	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295032	1	05/29/24 15:32	05/30/24 15:44	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295060	1	05/31/24 13:10	06/01/24 14:06	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/21/24 13:21	05/29/24 19:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295869	1	05/21/24 13:21	05/30/24 18:35	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	20	05/30/24 06:53	05/30/24 19:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	05/31/24 23:36	JRM	Mt. Juliet, TN

G-C3-1-4.0 L1739342-40 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:23 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298380	1	06/04/24 14:37	06/04/24 14:49	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	27.3	05/21/24 13:23	06/05/24 04:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	100	06/06/24 05:50	06/06/24 18:30	JAS	Mt. Juliet, TN

G-C3-1-5.0 L1739342-41 Solid

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 13:33 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2292490	1	05/24/24 09:12	05/24/24 09:20	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293479	30	05/21/24 13:33	05/26/24 04:58	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2293082	1.2	05/21/24 13:33	05/25/24 21:04	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2292509	1	05/24/24 07:27	05/24/24 20:37	KDB	Mt. Juliet, TN

TB-2-052124 L1739342-42 GW

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 00:00 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295042	1	05/30/24 10:57	05/30/24 10:57	JHH	Mt. Juliet, TN

EB-052124 L1739342-43 GW

Collected by: J.A./A.V./J.C/D.B. | Collected date/time: 05/21/24 15:07 | Received date/time: 05/22/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2292614	1	05/26/24 16:06	05/27/24 15:07	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2294310	1	05/29/24 10:35	05/30/24 00:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293775	1	05/27/24 02:11	05/27/24 02:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295042	1	05/30/24 11:18	05/30/24 11:18	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296326	1	05/31/24 16:43	06/02/24 08:28	DMG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/08/24 17:28
Level II Report - Version 2: 08/16/24 10:54

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-1.0	L1739342-01	Mercury	0.0757		0.0207	0.0461	1	05/30/2024 14:56	WG2295032
G/UC-B1-1-2.0	L1739342-02	Mercury	0.0740		0.0218	0.0485	1	05/29/2024 21:57	WG2295049
G/UC-B1-1-3.0	L1739342-03	Mercury	0.0288	J	0.0197	0.0439	1	05/30/2024 14:58	WG2295032
G-B2-1-1.0	L1739342-08	Mercury	0.108		0.0194	0.0430	1	05/30/2024 15:05	WG2295032
G-B2-1-2.0	L1739342-09	Mercury	0.182		0.0196	0.0436	1	05/30/2024 15:08	WG2295032
G-B2-1-3.0	L1739342-10	Mercury	0.220		0.0196	0.0435	1	05/30/2024 15:10	WG2295032
G-B3-1-1.0	L1739342-13	Mercury	0.133		0.0217	0.0483	1	05/30/2024 15:13	WG2295032
G-B3-1-2.0	L1739342-14	Mercury	0.163		0.0204	0.0453	1	05/30/2024 15:15	WG2295032
G-B3-1-3.0	L1739342-15	Mercury	0.123		0.0227	0.0503	1	05/30/2024 15:18	WG2295032
BS-C1-1-1.0	L1739342-20	Mercury	0.133		0.0194	0.0432	1	05/29/2024 22:07	WG2295049
BS-C1-1-2.0	L1739342-21	Mercury	0.199		0.0193	0.0428	1	05/29/2024 22:14	WG2295049
BS-C1-1-3.0	L1739342-22	Mercury	0.0431	J	0.0236	0.0524	1	05/29/2024 22:17	WG2295049
G/UC-C1-1-1.0	L1739342-25	Mercury	0.135		0.0192	0.0426	1	05/30/2024 15:20	WG2295032
G/UC-C1-1-2.0	L1739342-26	Mercury	0.0331	J	0.0195	0.0433	1	05/30/2024 15:22	WG2295032
G/UC-C1-1-3.0	L1739342-27	Mercury	0.0301	J	0.0200	0.0445	1	05/30/2024 15:25	WG2295032
G-C2-1-1.0	L1739342-32	Mercury	0.109		0.0196	0.0437	1	05/30/2024 15:27	WG2295032
G-C2-1-2.0	L1739342-33	Mercury	0.0708		0.0194	0.0432	1	05/30/2024 15:34	WG2295032
G-C2-1-3.0	L1739342-34	Mercury	0.101		0.0191	0.0424	1	05/30/2024 15:37	WG2295032
G-C3-1-1.0	L1739342-37	Mercury	0.132		0.0194	0.0432	1	05/30/2024 15:39	WG2295032
G-C3-1-2.0	L1739342-38	Mercury	0.0400	J	0.0216	0.0480	1	05/30/2024 15:42	WG2295032
G-C3-1-3.0	L1739342-39	Mercury	0.133		0.0191	0.0425	1	05/30/2024 15:44	WG2295032

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-1.0	L1739342-01	Antimony	1.11	J	0.627	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Arsenic	44.9		0.597	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Barium	130		0.0982	0.576	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Beryllium	0.287		0.0363	0.231	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Cadmium	0.444	J	0.0543	0.576	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Chromium	239		0.153	1.15	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Cobalt	8.97		0.0935	1.15	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Copper	29.8		0.461	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Lead	61.6		0.240	0.576	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Molybdenum	0.447	J	0.126	0.576	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Nickel	39.5		0.152	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Thallium	1.69	J	0.454	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Vanadium	22.1		0.583	2.31	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-1.0	L1739342-01	Zinc	87.7		0.959	5.76	1	05/31/2024 20:17	WG2295058
G/UC-B1-1-2.0	L1739342-02	Antimony	5.18	J6	0.660	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Arsenic	1930	J3 O1 V	0.628	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Barium	842	J3 O1 V	0.103	0.606	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Beryllium	0.194	J	0.0382	0.243	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Cadmium	1.71		0.0571	0.606	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Chromium	835	J3 V	0.161	1.21	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Cobalt	15.4	J6 O1	0.0984	1.21	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Copper	80.7		0.485	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Lead	138		0.252	0.606	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Molybdenum	1.09		0.132	0.606	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Nickel	166	J3 J6	0.160	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Selenium	1.48	J	0.927	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Silver	0.307	J	0.154	1.21	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Thallium	1.83	J	0.478	2.43	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-2.0	L1739342-02	Vanadium	47.9	J6	0.614	2.43	1	06/01/2024 13:39	WG2295060

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-2.0	L1739342-02	Zinc	218	J6	1.01	6.06	1	06/01/2024 13:39	WG2295060
G/UC-B1-1-3.0	L1739342-03	Antimony	0.891	J	0.596	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Arsenic	3460		0.568	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Barium	723		0.0934	0.548	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Cadmium	0.614		0.0516	0.548	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Chromium	313		0.146	1.10	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Cobalt	3.46		0.0889	1.10	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Copper	50.4		0.439	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Lead	42.8		0.228	0.548	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Molybdenum	0.205	J	0.120	0.548	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Nickel	42.9		0.145	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Selenium	1.15	J	0.838	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Vanadium	54.0		0.555	2.19	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-3.0	L1739342-03	Zinc	17.6		0.912	5.48	1	05/31/2024 20:19	WG2295058
G/UC-B1-1-4.0	L1739342-04	Arsenic	311		0.709	2.74	1	07/01/2024 20:04	WG2315127
G-B2-1-1.0	L1739342-08	Antimony	5.88		0.585	2.15	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Arsenic	6.29		0.557	2.15	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Barium	50.9		0.0917	0.538	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Beryllium	0.181	J	0.0339	0.215	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Cadmium	6.02		0.0507	0.538	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Chromium	19.9		0.143	1.08	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Cobalt	5.67		0.0873	1.08	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Copper	13600		2.15	10.8	5	06/01/2024 13:17	WG2295058
G-B2-1-1.0	L1739342-08	Lead	826		0.224	0.538	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Molybdenum	4.36		0.117	0.538	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Nickel	98.1		0.142	2.15	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Vanadium	17.0		0.544	2.15	1	05/31/2024 20:21	WG2295058
G-B2-1-1.0	L1739342-08	Zinc	9370		4.48	26.9	5	06/01/2024 13:17	WG2295058
G-B2-1-2.0	L1739342-09	Antimony	7.24		0.592	2.18	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Arsenic	6.63		0.564	2.18	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Barium	77.9		0.0928	0.544	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Beryllium	0.144	J	0.0343	0.218	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Cadmium	4.51		0.0513	0.544	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Chromium	26.2		0.145	1.09	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Cobalt	6.12		0.0883	1.09	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Copper	15300		2.18	10.9	5	06/01/2024 13:20	WG2295058
G-B2-1-2.0	L1739342-09	Lead	1010		0.226	0.544	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Molybdenum	5.34		0.119	0.544	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Nickel	124		0.144	2.18	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Vanadium	22.2		0.551	2.18	1	05/31/2024 20:22	WG2295058
G-B2-1-2.0	L1739342-09	Zinc	4250		4.53	27.2	5	06/01/2024 13:20	WG2295058
G-B2-1-3.0	L1739342-10	Antimony	7.50		0.591	2.17	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Arsenic	9.54		0.563	2.17	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Barium	45.2		0.0926	0.544	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Beryllium	0.121	J	0.0342	0.217	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Cadmium	5.21		0.0512	0.544	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Chromium	33.6		0.145	1.09	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Cobalt	15.5		0.0882	1.09	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Copper	28200		4.35	21.7	10	06/01/2024 13:24	WG2295058
G-B2-1-3.0	L1739342-10	Lead	1830		0.226	0.544	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Molybdenum	6.16		0.119	0.544	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Nickel	174		0.144	2.17	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Vanadium	39.5		0.550	2.17	1	05/31/2024 20:24	WG2295058
G-B2-1-3.0	L1739342-10	Zinc	28600		18.0	109	20	06/01/2024 15:54	WG2295058

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-B2-1-4.0	L1739342-11	Copper	3730		0.472	2.36	1	06/27/2024 20:14	WG2313442
G-B2-1-4.0	L1739342-11	Lead	406		0.246	0.590	1	06/27/2024 20:14	WG2313442
G-B2-1-4.0	L1739342-11	Nickel	66.0		0.156	2.36	1	06/27/2024 20:14	WG2313442
G-B3-1-1.0	L1739342-13	Antimony	0.796	J	0.656	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Arsenic	4.88		0.625	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Barium	154		0.103	0.603	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Beryllium	0.339		0.0380	0.241	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Cadmium	0.409	J	0.0568	0.603	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Chromium	36.1		0.160	1.21	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Cobalt	9.34		0.0978	1.21	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Copper	23.5		0.483	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Lead	47.3		0.251	0.603	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Molybdenum	0.746		0.131	0.603	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Nickel	59.1		0.159	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Thallium	0.956	J	0.475	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Vanadium	26.7		0.610	2.41	1	05/31/2024 18:20	WG2295058
G-B3-1-1.0	L1739342-13	Zinc	127		1.00	6.03	1	05/31/2024 18:20	WG2295058
G-B3-1-2.0	L1739342-14	Antimony	0.797	J	0.616	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Arsenic	4.16		0.587	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Barium	140	J6 O1	0.0965	0.566	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Beryllium	0.382		0.0357	0.226	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Chromium	58.2	O1	0.151	1.13	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Cobalt	16.9	O1	0.0918	1.13	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Copper	23.5	O1	0.453	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Lead	10.7		0.236	0.566	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Nickel	114	J6 O1	0.149	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Silver	0.299	J	0.144	1.13	1	06/04/2024 20:20	WG2298045
G-B3-1-2.0	L1739342-14	Thallium	2.08	J	0.446	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Vanadium	34.1	O1	0.573	2.26	1	05/31/2024 20:09	WG2295058
G-B3-1-2.0	L1739342-14	Zinc	40.6		0.942	5.66	1	05/31/2024 20:09	WG2295058
G-B3-1-3.0	L1739342-15	Arsenic	2.88		0.652	2.52	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Barium	106		0.107	0.629	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Beryllium	0.265		0.0396	0.252	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Chromium	44.5		0.167	1.26	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Cobalt	9.93		0.102	1.26	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Copper	14.3		0.503	2.52	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Lead	6.80		0.262	0.629	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Nickel	87.7		0.166	2.52	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Thallium	1.10	J	0.496	2.52	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Vanadium	24.4		0.637	2.52	1	05/31/2024 18:21	WG2295058
G-B3-1-3.0	L1739342-15	Zinc	25.9		1.05	6.29	1	05/31/2024 18:21	WG2295058
G-B3-1-4.0	L1739342-16	Nickel	110		0.147	2.23	1	07/01/2024 20:06	WG2315127
BS-C1-1-1.0	L1739342-20	Antimony	0.840	J	0.588	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Arsenic	4.02		0.560	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Barium	139		0.0920	0.540	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Beryllium	0.173	J	0.0340	0.216	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Cadmium	0.140	J	0.0509	0.540	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Chromium	21.7		0.144	1.08	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Cobalt	7.77		0.0876	1.08	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Copper	20.6		0.432	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Lead	42.3		0.225	0.540	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Molybdenum	0.565		0.118	0.540	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Nickel	26.1		0.143	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Thallium	1.82	J	0.426	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Vanadium	30.5		0.547	2.16	1	05/31/2024 18:23	WG2295058
BS-C1-1-1.0	L1739342-20	Zinc	66.7		0.899	5.40	1	05/31/2024 18:23	WG2295058

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-C1-1-2.0	L1739342-21	Antimony	1.40	J	0.582	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Arsenic	5.66		0.555	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Barium	90.3		0.0912	0.535	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Beryllium	0.170	J	0.0337	0.214	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Cadmium	0.170	J	0.0504	0.535	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Chromium	27.1		0.142	1.07	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Cobalt	11.7		0.0868	1.07	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Copper	27.4		0.428	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Lead	57.4		0.223	0.535	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Nickel	41.6		0.141	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Thallium	1.49	J	0.422	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Vanadium	38.7		0.542	2.14	1	05/31/2024 18:25	WG2295058
BS-C1-1-2.0	L1739342-21	Zinc	92.0		0.891	5.35	1	05/31/2024 18:25	WG2295058
BS-C1-1-3.0	L1739342-22	Antimony	1.00	J	0.713	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Arsenic	5.77		0.679	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Barium	96.9		0.112	0.655	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Beryllium	0.266		0.0413	0.262	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Cadmium	0.100	J	0.0617	0.655	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Chromium	28.3		0.174	1.31	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Cobalt	10.9		0.106	1.31	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Copper	27.5		0.524	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Lead	19.9		0.272	0.655	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Molybdenum	0.261	J	0.143	0.655	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Nickel	46.3		0.173	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Thallium	1.18	J	0.516	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Vanadium	34.1		0.663	2.62	1	05/31/2024 17:45	WG2295058
BS-C1-1-3.0	L1739342-22	Zinc	50.0		1.09	6.55	1	05/31/2024 17:45	WG2295058
G/UC-C1-1-1.0	L1739342-25	Antimony	1.84	J	0.579	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Arsenic	5.05		0.551	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Barium	138		0.0907	0.532	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Beryllium	0.164	J	0.0335	0.213	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Cadmium	0.153	B J	0.0501	0.532	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Chromium	24.3		0.142	1.06	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Cobalt	5.54		0.0863	1.06	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Copper	17.5		0.426	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Lead	24.9		0.221	0.532	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Molybdenum	0.667		0.116	0.532	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Nickel	30.7		0.141	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Thallium	1.18	J	0.419	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Vanadium	25.1		0.539	2.13	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-1.0	L1739342-25	Zinc	49.6		0.886	5.32	1	06/01/2024 13:47	WG2295060
G/UC-C1-1-2.0	L1739342-26	Antimony	0.825	J	0.589	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Arsenic	6.89		0.561	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Barium	111		0.0922	0.541	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Beryllium	0.486		0.0341	0.216	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Chromium	26.3		0.144	1.08	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Cobalt	9.18		0.0878	1.08	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Copper	26.2		0.433	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Lead	22.5		0.225	0.541	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Nickel	41.7		0.143	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Thallium	1.24	J	0.426	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Vanadium	26.3		0.548	2.16	1	06/01/2024 13:48	WG2295060
G/UC-C1-1-2.0	L1739342-26	Zinc	53.9		0.900	5.41	1	06/01/2024 13:48	WG2295060

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-C1-1-3.0	L1739342-27	Arsenic	3.76		0.576	2.22	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Barium	67.3		0.0947	0.556	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Beryllium	0.294		0.0350	0.222	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Chromium	17.7		0.148	1.11	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Cobalt	5.91		0.0902	1.11	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Copper	16.0		0.445	2.22	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Lead	12.7		0.231	0.556	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Molybdenum	0.143	J	0.121	0.556	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Nickel	23.4		0.147	2.22	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Thallium	1.28	J	0.438	2.22	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Vanadium	20.2		0.563	2.22	1	06/01/2024 13:50	WG2295060
G/UC-C1-1-3.0	L1739342-27	Zinc	36.1		0.925	5.56	1	06/01/2024 13:50	WG2295060
G-C2-1-1.0	L1739342-32	Antimony	1.50	J	0.594	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Arsenic	3.60		0.565	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Barium	91.3		0.0930	0.546	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Beryllium	0.250		0.0344	0.218	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Cadmium	0.0597	B J	0.0514	0.546	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Chromium	16.2		0.145	1.09	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Cobalt	7.65		0.0885	1.09	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Copper	20.8		0.437	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Lead	29.0		0.227	0.546	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Molybdenum	0.346	J	0.119	0.546	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Nickel	25.7		0.144	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Thallium	1.75	J	0.430	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Vanadium	31.0		0.552	2.18	1	06/01/2024 13:58	WG2295060
G-C2-1-1.0	L1739342-32	Zinc	54.2		0.908	5.46	1	06/01/2024 13:58	WG2295060
G-C2-1-2.0	L1739342-33	Antimony	0.741	J	0.587	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Arsenic	3.22		0.559	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Barium	104		0.0920	0.540	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Beryllium	0.158	J	0.0340	0.216	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Chromium	15.4		0.144	1.08	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Cobalt	5.67		0.0875	1.08	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Copper	14.8		0.432	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Lead	16.6		0.225	0.540	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Molybdenum	0.287	J	0.118	0.540	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Nickel	27.1		0.142	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Thallium	1.04	J	0.425	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Vanadium	20.1		0.546	2.16	1	06/01/2024 13:59	WG2295060
G-C2-1-2.0	L1739342-33	Zinc	44.3		0.898	5.40	1	06/01/2024 13:59	WG2295060
G-C2-1-3.0	L1739342-34	Antimony	2.15		0.577	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Arsenic	4.48		0.549	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Barium	137		0.0904	0.530	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Beryllium	0.205	J	0.0334	0.212	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Cadmium	0.121	B J	0.0500	0.530	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Chromium	19.8		0.141	1.06	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Cobalt	6.52		0.0860	1.06	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Copper	22.2		0.424	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Lead	23.3		0.221	0.530	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Molybdenum	0.825		0.116	0.530	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Nickel	30.9		0.140	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Thallium	1.44	J	0.418	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Vanadium	27.6		0.537	2.12	1	06/01/2024 14:01	WG2295060
G-C2-1-3.0	L1739342-34	Zinc	75.9		0.882	5.30	1	06/01/2024 14:01	WG2295060

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-C3-1-1.0	L1739342-37	Antimony	1.64	J	0.587	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Arsenic	2.98		0.559	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Barium	48.2		0.0919	0.540	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Beryllium	0.147	J	0.0340	0.216	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Cadmium	0.0643	B J	0.0508	0.540	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Chromium	9.41		0.144	1.08	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Cobalt	5.94		0.0875	1.08	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Copper	11.1		0.432	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Lead	19.3		0.224	0.540	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Molybdenum	0.455	J	0.118	0.540	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Nickel	12.4		0.142	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Thallium	1.90	J	0.425	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Vanadium	22.0		0.546	2.16	1	06/01/2024 14:03	WG2295060
G-C3-1-1.0	L1739342-37	Zinc	52.1		0.898	5.40	1	06/01/2024 14:03	WG2295060
G-C3-1-2.0	L1739342-38	Arsenic	0.881	J	0.622	2.40	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Barium	44.5		0.102	0.600	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Beryllium	0.189	J	0.0378	0.240	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Chromium	2.30	B	0.160	1.20	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Cobalt	5.02		0.0974	1.20	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Copper	2.28	J	0.480	2.40	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Lead	3.35		0.250	0.600	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Nickel	2.29	J	0.158	2.40	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Thallium	0.886	J	0.473	2.40	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Vanadium	8.52		0.607	2.40	1	06/01/2024 14:04	WG2295060
G-C3-1-2.0	L1739342-38	Zinc	16.4	B	0.999	6.00	1	06/01/2024 14:04	WG2295060
G-C3-1-3.0	L1739342-39	Antimony	1.42	J	0.579	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Arsenic	6.22		0.551	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Barium	179		0.0906	0.532	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Beryllium	0.193	J	0.0335	0.213	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Cadmium	0.0544	B J	0.0501	0.532	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Chromium	11.6		0.141	1.06	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Cobalt	7.11		0.0863	1.06	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Copper	141		0.425	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Lead	73.5		0.221	0.532	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Molybdenum	0.255	J	0.116	0.532	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Nickel	18.8		0.140	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Thallium	1.89	J	0.419	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Vanadium	37.9		0.538	2.13	1	06/01/2024 14:06	WG2295060
G-C3-1-3.0	L1739342-39	Zinc	123		0.885	5.32	1	06/01/2024 14:06	WG2295060

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052124	L1739342-43	Arsenic	0.297	J	0.180	2.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Barium	5.29		0.381	2.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Copper	4.10	J	1.51	5.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Cobalt	0.238	J	0.0596	2.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Lead	1.15	J	0.849	2.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Molybdenum	1.40	J	0.348	5.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Nickel	1.07	J	0.816	2.00	1	05/30/2024 00:13	WG2294310
EB-052124	L1739342-43	Vanadium	1.33	J	0.664	5.00	1	05/30/2024 00:13	WG2294310

DETECTION SUMMARY

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052124	L1739342-43	TPHG C5 - C12	55.6	B J	30.4	100	1	05/27/2024 02:11	WG2293775

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-3.0	L1739342-03	TPHG C5 - C12	1.54	B J	1.00	3.02	25	05/29/2024 16:26	WG2294990
G/UC-B1-1-5.0	L1739342-05	TPHG C5 - C12	2.37	B J	1.48	4.45	25	05/29/2024 16:45	WG2294990
G-B2-1-3.0	L1739342-10	TPHG C5 - C12	3.33	B J	1.45	4.38	38.3	05/29/2024 17:04	WG2294990
GW-5-14.5	L1739342-18	TPHG C5 - C12	1.30	B J	1.28	3.87	25	05/26/2024 04:38	WG2293479
BS-C1-1-3.0	L1739342-22	TPHG C5 - C12	1.95	B J	1.40	4.21	25	05/29/2024 18:02	WG2294990
G/UC-C1-1-1.0	L1739342-25	TPHG C5 - C12	1.01	B J T8	0.945	2.85	25	06/05/2024 01:16	WG2298546
G/UC-C1-1-2.0	L1739342-26	TPHG C5 - C12	1.53	B J T8	1.16	3.51	30.5	06/05/2024 01:39	WG2298546
G/UC-C1-1-3.0	L1739342-27	TPHG C5 - C12	1.83	B J	1.10	3.32	27.3	05/29/2024 18:41	WG2294990
G/UC-C1-1-4.0	L1739342-28	TPHG C5 - C12	1.94	B J T8	1.17	3.52	31	06/05/2024 02:02	WG2298546
G/UC-C1-1-5.0	L1739342-29	TPHG C5 - C12	1.97	B J	1.27	3.82	25	05/29/2024 19:00	WG2294990
G-C2-1-1.0	L1739342-32	TPHG C5 - C12	1.08	B J T8	1.01	3.04	25	06/05/2024 02:25	WG2298546
G-C2-1-2.0	L1739342-33	TPHG C5 - C12	1.13	B J T8	1.00	3.02	25	06/05/2024 02:48	WG2298546
G-C2-1-3.0	L1739342-34	TPHG C5 - C12	1.10	J	0.976	2.94	26.3	05/30/2024 12:56	WG2295424
G-C2-1-4.0	L1739342-35	TPHG C5 - C12	1.33	B J T8	0.997	3.00	25	06/05/2024 03:11	WG2298546
G-C2-1-5.0	L1739342-36	TPHG C5 - C12	1.64	B J	1.45	4.38	28	05/29/2024 19:19	WG2294990
G-C3-1-1.0	L1739342-37	TPHG C5 - C12	1.65	B J T8	1.12	3.36	29.3	06/05/2024 03:34	WG2298546
G-C3-1-3.0	L1739342-39	TPHG C5 - C12	1.34	B J	0.945	2.85	25	05/29/2024 19:38	WG2294990
G-C3-1-4.0	L1739342-40	TPHG C5 - C12	2.27	B J T8	1.07	3.22	27.3	06/05/2024 04:20	WG2298546
G-C3-1-5.0	L1739342-41	TPHG C5 - C12	2.86	B J	1.55	4.66	30	05/26/2024 04:58	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-4.0	L1739342-04	1,4-Dichlorobenzene	0.00256	J	0.00126	0.00901	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	Ethylbenzene	0.00225	J	0.00133	0.00451	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	Naphthalene	0.0106	J	0.00880	0.0225	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	n-Propylbenzene	0.00337	J	0.00171	0.00901	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	1,2,4-Trimethylbenzene	0.0112		0.00285	0.00901	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	1,2,3-Trimethylbenzene	0.00398	J	0.00285	0.00901	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	1,3,5-Trimethylbenzene	0.00709	J	0.00361	0.00901	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-4.0	L1739342-04	Xylenes, Total	0.0123		0.00159	0.0117	1	06/04/2024 17:59	WG2298400
G/UC-B1-1-5.0	L1739342-05	Ethylbenzene	0.00264	J	0.00137	0.00463	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	p-Isopropyltoluene	0.00630	J	0.00472	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	n-Propylbenzene	0.00347	J	0.00177	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	Toluene	0.00673	J	0.00240	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	1,2,4-Trimethylbenzene	0.00946		0.00293	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	1,2,3-Trimethylbenzene	0.00352	J	0.00293	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	1,3,5-Trimethylbenzene	0.00728	J	0.00371	0.00927	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-5.0	L1739342-05	Xylenes, Total	0.0114	J	0.00163	0.0120	1.08	06/04/2024 18:18	WG2298400
G/UC-B1-1-8.0	L1739342-06	Xylenes, Total	0.00440	J	0.00130	0.00957	1	06/04/2024 18:37	WG2298400
G/UC-B1-1-10.0	L1739342-07	Xylenes, Total	0.00318	J	0.00136	0.0100	1	06/04/2024 18:56	WG2298400
G-B2-1-2.0	L1739342-09	Naphthalene	0.0100	J	0.00575	0.0147	1	05/29/2024 23:16	WG2295165
G-B2-1-2.0	L1739342-09	Toluene	0.00242	J	0.00153	0.00589	1	05/29/2024 23:16	WG2295165
G-B2-1-3.0	L1739342-10	Naphthalene	0.0197		0.00582	0.0149	1	05/29/2024 23:35	WG2295165
G-B2-1-3.0	L1739342-10	Toluene	0.00483	J	0.00155	0.00596	1	05/29/2024 23:35	WG2295165
G-B2-1-3.0	L1739342-10	1,2,4-Trimethylbenzene	0.00205	J J4	0.00188	0.00596	1	05/29/2024 23:35	WG2295165
G-B2-1-3.0	L1739342-10	Xylenes, Total	0.00371	J	0.00105	0.00775	1	05/29/2024 23:35	WG2295165
G-B2-1-5.0	L1739342-12	Xylenes, Total	0.00432	J	0.00134	0.00989	1	06/04/2024 19:15	WG2298400

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-B3-1-2.0	L1739342-14	Trichloroethene	0.00210		0.000747	0.00128	1	05/29/2024 23:56	WG2295165
G-B3-1-3.0	L1739342-15	Trichloroethene	0.00782		0.000925	0.00158	1	05/30/2024 00:16	WG2295165
G-B3-1-4.0	L1739342-16	Ethylbenzene	0.00100	J	0.000924	0.00314	1	06/04/2024 19:34	WG2298400
G-B3-1-4.0	L1739342-16	Trichloroethene	0.00646		0.000733	0.00125	1	06/04/2024 19:34	WG2298400
G-B3-1-4.0	L1739342-16	Xylenes, Total	0.00386	J	0.00110	0.00815	1	06/04/2024 19:34	WG2298400
BS-C1-1-2.0	L1739342-21	Methylene Chloride	0.00840	J	0.00774	0.0291	1	05/30/2024 00:56	WG2295165
BS-C1-1-2.0	L1739342-21	Xylenes, Total	0.00112	J	0.00103	0.00758	1	05/30/2024 00:56	WG2295165
BS-C1-1-5.0	L1739342-24	Toluene	0.00225	J	0.00172	0.00663	1	05/30/2024 01:37	WG2295165
G/UC-C1-1-2.0	L1739342-26	Benzene	0.00113	J	0.000620	0.00133	1.15	05/30/2024 15:16	WG2295400
G/UC-C1-1-2.0	L1739342-26	Xylenes, Total	0.00145	J	0.00117	0.00863	1.15	05/30/2024 15:16	WG2295400
G/UC-C1-1-5.0	L1739342-29	Toluene	0.00295	J	0.00199	0.00765	1	05/30/2024 01:57	WG2295165
G-C2-1-3.0	L1739342-34	Benzene	0.000627	J	0.000527	0.00113	1	05/30/2024 15:35	WG2295400
G-C2-1-3.0	L1739342-34	Toluene	0.00271	J	0.00147	0.00564	1	05/30/2024 15:35	WG2295400
G-C2-1-3.0	L1739342-34	Xylenes, Total	0.00336	J	0.000993	0.00733	1	05/30/2024 15:35	WG2295400
G-C2-1-5.0	L1739342-36	Acetone	0.0610	J	0.0583	0.0798	1	05/30/2024 02:58	WG2295165
G-C3-1-3.0	L1739342-39	Benzene	0.000816	J	0.000529	0.00113	1	05/30/2024 18:35	WG2295869
G-C3-1-5.0	L1739342-41	Benzene	0.00321		0.000870	0.00186	1.2	05/25/2024 21:04	WG2293082
G-C3-1-5.0	L1739342-41	Toluene	0.00261	J	0.00242	0.00932	1.2	05/25/2024 21:04	WG2293082
G-C3-1-5.0	L1739342-41	Xylenes, Total	0.00177	J	0.00165	0.0121	1.2	05/25/2024 21:04	WG2293082

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-3.0	L1739342-03	C12-C22 Hydrocarbons	1.04	J	0.804	4.39	1	05/30/2024 15:34	WG2295238
G/UC-B1-1-3.0	L1739342-03	C22-C32 Hydrocarbons	4.01	J	1.46	4.39	1	05/30/2024 15:34	WG2295238
G/UC-B1-1-5.0	L1739342-05	C12-C22 Hydrocarbons	2.84	J	1.01	5.48	1	05/30/2024 16:33	WG2295238
G/UC-B1-1-5.0	L1739342-05	C22-C32 Hydrocarbons	14.5		1.82	5.48	1	05/30/2024 16:33	WG2295238
G/UC-B1-1-5.0	L1739342-05	C32-C40 Hydrocarbons	11.1		1.82	5.48	1	05/30/2024 16:33	WG2295238
G-B2-1-3.0	L1739342-10	C12-C22 Hydrocarbons	11.3		0.797	4.35	1	05/30/2024 17:44	WG2295238
G-B2-1-3.0	L1739342-10	C22-C32 Hydrocarbons	45.2		1.45	4.35	1	05/30/2024 17:44	WG2295238
G-B2-1-3.0	L1739342-10	C32-C40 Hydrocarbons	23.7		1.45	4.35	1	05/30/2024 17:44	WG2295238
G-B2-1-5.0	L1739342-12	C12-C22 Hydrocarbons	1.70	J	0.905	4.94	1	05/30/2024 17:30	WG2295238
G-B2-1-5.0	L1739342-12	C22-C32 Hydrocarbons	6.14		1.64	4.94	1	05/30/2024 17:30	WG2295238
G-B2-1-5.0	L1739342-12	C32-C40 Hydrocarbons	8.06		1.64	4.94	1	05/30/2024 17:30	WG2295238
G-B3-1-3.0	L1739342-15	C22-C32 Hydrocarbons	2.47	J	1.67	5.03	1	05/30/2024 13:37	WG2295238
G-B3-1-3.0	L1739342-15	C32-C40 Hydrocarbons	3.32	J	1.67	5.03	1	05/30/2024 13:37	WG2295238
G-B3-1-5.0	L1739342-17	C12-C22 Hydrocarbons	2.23	J	0.964	5.26	1	05/30/2024 16:18	WG2295238
G-B3-1-5.0	L1739342-17	C22-C32 Hydrocarbons	4.89	J	1.75	5.26	1	05/30/2024 16:18	WG2295238
G-B3-1-5.0	L1739342-17	C32-C40 Hydrocarbons	5.11	J	1.75	5.26	1	05/30/2024 16:18	WG2295238
BS-C1-1-3.0	L1739342-22	C12-C22 Hydrocarbons	1.20	J	0.960	5.24	1	05/30/2024 17:59	WG2295238
BS-C1-1-3.0	L1739342-22	C22-C32 Hydrocarbons	9.62		1.74	5.24	1	05/30/2024 17:59	WG2295238
BS-C1-1-3.0	L1739342-22	C32-C40 Hydrocarbons	12.4		1.74	5.24	1	05/30/2024 17:59	WG2295238
BS-C1-1-5.0	L1739342-24	C22-C32 Hydrocarbons	35.8	J	15.3	46.0	10	05/31/2024 09:29	WG2295238
BS-C1-1-5.0	L1739342-24	C32-C40 Hydrocarbons	51.2		15.3	46.0	10	05/31/2024 09:29	WG2295238
G/UC-C1-1-2.0	L1739342-26	C22-C32 Hydrocarbons	685	T8	144	433	100	06/06/2024 19:13	WG2299534
G/UC-C1-1-2.0	L1739342-26	C32-C40 Hydrocarbons	895	T8	144	433	100	06/06/2024 19:13	WG2299534
G/UC-C1-1-3.0	L1739342-27	C22-C32 Hydrocarbons	784		148	445	100	05/30/2024 19:54	WG2295238
G/UC-C1-1-3.0	L1739342-27	C32-C40 Hydrocarbons	1090		148	445	100	05/30/2024 19:54	WG2295238
G/UC-C1-1-4.0	L1739342-28	C22-C32 Hydrocarbons	1060	T8 V	143	430	100	06/06/2024 19:28	WG2299534
G/UC-C1-1-4.0	L1739342-28	C32-C40 Hydrocarbons	1340	T8	143	430	100	06/06/2024 19:28	WG2299534
G/UC-C1-1-5.0	L1739342-29	C12-C22 Hydrocarbons	1.67	J	0.920	5.02	1	05/30/2024 17:16	WG2295238
G/UC-C1-1-5.0	L1739342-29	C22-C32 Hydrocarbons	6.09		1.67	5.02	1	05/30/2024 17:16	WG2295238
G/UC-C1-1-5.0	L1739342-29	C32-C40 Hydrocarbons	7.19		1.67	5.02	1	05/30/2024 17:16	WG2295238

DETECTION SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-C2-1-2.0	L1739342-33	C22-C32 Hydrocarbons	773	T8	144	432	100	06/06/2024 18:16	WG2299534
G-C2-1-2.0	L1739342-33	C32-C40 Hydrocarbons	999	T8	144	432	100	06/06/2024 18:16	WG2299534
G-C2-1-3.0	L1739342-34	C22-C32 Hydrocarbons	2080		282	848	200	05/31/2024 11:54	WG2295239
G-C2-1-3.0	L1739342-34	C32-C40 Hydrocarbons	2180		282	848	200	05/31/2024 11:54	WG2295239
G-C2-1-4.0	L1739342-35	C22-C32 Hydrocarbons	1740	T8	146	438	100	06/06/2024 20:11	WG2299534
G-C2-1-4.0	L1739342-35	C32-C40 Hydrocarbons	1490	T8	146	438	100	06/06/2024 20:11	WG2299534
G-C2-1-5.0	L1739342-36	C12-C22 Hydrocarbons	2.25	J	0.952	5.19	1	05/30/2024 19:18	WG2295239
G-C2-1-5.0	L1739342-36	C22-C32 Hydrocarbons	16.1		1.73	5.19	1	05/30/2024 19:18	WG2295239
G-C2-1-5.0	L1739342-36	C32-C40 Hydrocarbons	16.4		1.73	5.19	1	05/30/2024 19:18	WG2295239
G-C3-1-1.0	L1739342-37	C22-C32 Hydrocarbons	380	J T8	144	432	100	06/07/2024 12:34	WG2299534
G-C3-1-1.0	L1739342-37	C32-C40 Hydrocarbons	651	T8	144	432	100	06/07/2024 12:34	WG2299534
G-C3-1-3.0	L1739342-39	C22-C32 Hydrocarbons	145		28.3	85.1	20	05/30/2024 19:59	WG2295239
G-C3-1-3.0	L1739342-39	C32-C40 Hydrocarbons	171		28.3	85.1	20	05/30/2024 19:59	WG2295239
G-C3-1-4.0	L1739342-40	C22-C32 Hydrocarbons	1210	T8	145	437	100	06/06/2024 18:30	WG2299534
G-C3-1-4.0	L1739342-40	C32-C40 Hydrocarbons	1380	T8	145	437	100	06/06/2024 18:30	WG2299534
G-C3-1-5.0	L1739342-41	C12-C22 Hydrocarbons	1.43	J	0.954	5.21	1	05/24/2024 20:37	WG2292509
G-C3-1-5.0	L1739342-41	C22-C32 Hydrocarbons	7.16		1.73	5.21	1	05/24/2024 20:37	WG2292509
G-C3-1-5.0	L1739342-41	C32-C40 Hydrocarbons	5.86		1.73	5.21	1	05/24/2024 20:37	WG2292509

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B1-1-1.0	L1739342-01	Benzo(b)fluoranthene	0.00722	J	0.00716	0.0384	1	05/30/2024 20:52	WG2295242
G/UC-B1-1-1.0	L1739342-01	Pyrene	0.00816	J	0.00747	0.0384	1	05/30/2024 20:52	WG2295242
G/UC-B1-1-2.0	L1739342-02	Benzo(b)fluoranthene	0.0129	J	0.00753	0.0404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-2.0	L1739342-02	Benzo(g,h,i)perylene	0.0150	J	0.00739	0.0404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-2.0	L1739342-02	Benzo(a)pyrene	0.00863	J	0.00751	0.0404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-2.0	L1739342-02	Fluoranthene	0.0112	J	0.00729	0.0404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-2.0	L1739342-02	Benzylbutyl phthalate	0.0418	J	0.0126	0.404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-2.0	L1739342-02	Pyrene	0.0122	J	0.00786	0.0404	1	05/30/2024 22:41	WG2295242
G/UC-B1-1-5.0	L1739342-05	Fluoranthene	0.0149	J	0.00824	0.0457	1	05/30/2024 20:11	WG2295242
G/UC-B1-1-5.0	L1739342-05	Fluorene	0.00987	J	0.00743	0.0457	1	05/30/2024 20:11	WG2295242
G/UC-B1-1-5.0	L1739342-05	Naphthalene	0.0236	J	0.0115	0.0457	1	05/30/2024 20:11	WG2295242
G/UC-B1-1-5.0	L1739342-05	Phenanthrene	0.0152	J	0.00906	0.0457	1	05/30/2024 20:11	WG2295242
G/UC-B1-1-5.0	L1739342-05	Pyrene	0.0145	J	0.00889	0.0457	1	05/30/2024 20:11	WG2295242
G-B2-1-1.0	L1739342-08	Benzo(a)anthracene	0.0155	J	0.00632	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Benzo(b)fluoranthene	0.0252	J	0.00668	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Benzo(k)fluoranthene	0.00842	J	0.00637	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Benzo(g,h,i)perylene	0.0167	J	0.00655	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Benzo(a)pyrene	0.0195	J	0.00666	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Chrysene	0.0240	J	0.00712	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Fluoranthene	0.0243	J	0.00647	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Indeno(1,2,3-cd)pyrene	0.0134	J	0.0101	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Naphthalene	0.0123	J	0.00899	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Phenanthrene	0.0240	J	0.00711	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Pyrene	0.0268	J	0.00697	0.0358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	4-Nitrophenol	0.0146	J	0.0112	0.358	1	05/30/2024 19:30	WG2295242
G-B2-1-1.0	L1739342-08	Phenol	0.0169	J	0.0144	0.358	1	05/30/2024 19:30	WG2295242

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-B2-1-2.0	L1739342-09	Benzo(a)anthracene	0.0112	J	0.00639	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Benzo(b)fluoranthene	0.0281	J	0.00676	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Benzo(k)fluoranthene	0.00889	J	0.00645	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Benzo(g,h,i)perylene	0.0101	J	0.00663	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Benzo(a)pyrene	0.0143	J	0.00674	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Chrysene	0.0172	J	0.00721	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Fluoranthene	0.0253	J	0.00654	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Naphthalene	0.0100	J	0.00910	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Phenanthrene	0.0279	J	0.00720	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Pyrene	0.0177	J	0.00706	0.0363	1	05/30/2024 18:48	WG2295242
G-B2-1-2.0	L1739342-09	Pentachlorophenol	0.0195	J	0.00976	0.363	1	05/30/2024 18:48	WG2295242
G-B2-1-3.0	L1739342-10	Benzo(a)anthracene	0.00683	J	0.00638	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Benzo(b)fluoranthene	0.0120	J	0.00675	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Benzo(a)pyrene	0.00712	J	0.00673	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Chrysene	0.0102	J	0.00720	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Fluoranthene	0.0137	J	0.00653	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Naphthalene	0.0146	J	0.00909	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Phenanthrene	0.0189	J	0.00719	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Pyrene	0.0177	J	0.00705	0.0362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Pentachlorophenol	0.0309	J	0.00974	0.362	1	05/30/2024 19:09	WG2295242
G-B2-1-3.0	L1739342-10	Phenol	0.0167	J	0.0146	0.362	1	05/30/2024 19:09	WG2295242
G-B2-1-5.0	L1739342-12	Fluoranthene	0.0107	J	0.00742	0.0411	1	05/30/2024 20:31	WG2295242
G-B2-1-5.0	L1739342-12	Phenanthrene	0.00896	J	0.00816	0.0411	1	05/30/2024 20:31	WG2295242
G-B2-1-5.0	L1739342-12	Pyrene	0.00911	J	0.00800	0.0411	1	05/30/2024 20:31	WG2295242
G-B3-1-2.0	L1739342-14	Phenol	0.0155	J	0.0152	0.377	1	05/30/2024 18:28	WG2295242
BS-C1-1-1.0	L1739342-20	Benzo(a)anthracene	0.0540	J	0.0126	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Benzo(b)fluoranthene	0.107		0.0134	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Benzo(k)fluoranthene	0.0379	J	0.0127	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Benzo(g,h,i)perylene	0.0455	J	0.0132	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Benzo(a)pyrene	0.0788		0.0134	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Chrysene	0.0757		0.0143	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Fluoranthene	0.0908		0.0130	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Indeno(1,2,3-cd)pyrene	0.0367	J	0.0203	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Phenanthrene	0.0305	J	0.0143	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-1.0	L1739342-20	Pyrene	0.112		0.0140	0.0720	2	05/31/2024 08:33	WG2295242
BS-C1-1-2.0	L1739342-21	Benzo(a)anthracene	0.00853	J	0.00628	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Benzo(b)fluoranthene	0.0357	J	0.00665	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Benzo(k)fluoranthene	0.00918	J	0.00634	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Benzo(g,h,i)perylene	0.0337	J	0.00652	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Benzo(a)pyrene	0.0154	J	0.00663	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Chrysene	0.0111	J	0.00709	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Fluoranthene	0.0124	J	0.00643	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Indeno(1,2,3-cd)pyrene	0.0258	J	0.0101	0.0357	1	05/30/2024 19:50	WG2295242
BS-C1-1-2.0	L1739342-21	Pyrene	0.0206	J	0.00694	0.0357	1	05/30/2024 19:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Benzo(a)anthracene	0.0755	J	0.0625	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Benzo(b)fluoranthene	0.178	J	0.0661	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Benzo(g,h,i)perylene	0.0884	J	0.0648	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Benzo(a)pyrene	0.133	J	0.0659	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Chrysene	0.0837	J	0.0705	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Fluoranthene	0.166	J	0.0640	0.355	10	05/31/2024 06:50	WG2295242
G/UC-C1-1-1.0	L1739342-25	Pyrene	0.278	J	0.0690	0.355	10	05/31/2024 06:50	WG2295242
G-C2-1-3.0	L1739342-34	Benzo(b)fluoranthene	0.157	J	0.132	0.706	20	06/01/2024 00:50	WG2295243
G-C2-1-3.0	L1739342-34	Benzo(g,h,i)perylene	0.147	J	0.129	0.706	20	06/01/2024 00:50	WG2295243
G-C2-1-3.0	L1739342-34	Benzo(a)pyrene	0.137	J	0.132	0.706	20	06/01/2024 00:50	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-C3-1-2.0	L1739342-38	Acenaphthene	0.0346	J	0.00647	0.0400	1	05/31/2024 19:31	WG2295243
G-C3-1-2.0	L1739342-38	Fluorene	0.0167	J	0.00651	0.0400	1	05/31/2024 19:31	WG2295243
G-C3-1-2.0	L1739342-38	Naphthalene	0.0262	J	0.0100	0.0400	1	05/31/2024 19:31	WG2295243
G-C3-1-2.0	L1739342-38	Phenanthrene	0.0138	J	0.00793	0.0400	1	05/31/2024 19:31	WG2295243
G-C3-1-3.0	L1739342-39	Fluoranthene	0.0776	J	0.0639	0.354	10	05/31/2024 23:36	WG2295243
G-C3-1-3.0	L1739342-39	Phenanthrene	0.0824	J	0.0703	0.354	10	05/31/2024 23:36	WG2295243
G-C3-1-3.0	L1739342-39	Pyrene	0.0905	J	0.0689	0.354	10	05/31/2024 23:36	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0757		0.0207	0.0461	1	05/30/2024 14:56	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.11	J	0.627	2.31	1	05/31/2024 20:17	WG2295058
Arsenic	44.9		0.597	2.31	1	05/31/2024 20:17	WG2295058
Barium	130		0.0982	0.576	1	05/31/2024 20:17	WG2295058
Beryllium	0.287		0.0363	0.231	1	05/31/2024 20:17	WG2295058
Cadmium	0.444	J	0.0543	0.576	1	05/31/2024 20:17	WG2295058
Chromium	239		0.153	1.15	1	05/31/2024 20:17	WG2295058
Cobalt	8.97		0.0935	1.15	1	05/31/2024 20:17	WG2295058
Copper	29.8		0.461	2.31	1	05/31/2024 20:17	WG2295058
Lead	61.6		0.240	0.576	1	05/31/2024 20:17	WG2295058
Molybdenum	0.447	J	0.126	0.576	1	05/31/2024 20:17	WG2295058
Nickel	39.5		0.152	2.31	1	05/31/2024 20:17	WG2295058
Selenium	U		0.881	2.31	1	05/31/2024 20:17	WG2295058
Silver	U		0.146	1.15	1	05/31/2024 20:17	WG2295058
Thallium	1.69	J	0.454	2.31	1	05/31/2024 20:17	WG2295058
Vanadium	22.1		0.583	2.31	1	05/31/2024 20:17	WG2295058
Zinc	87.7		0.959	5.76	1	05/31/2024 20:17	WG2295058

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0136	0.0392	1	05/30/2024 15:01	WG2295241
PCB 1221	U		0.0136	0.0392	1	05/30/2024 15:01	WG2295241
PCB 1232	U		0.0136	0.0392	1	05/30/2024 15:01	WG2295241
PCB 1242	U		0.0136	0.0392	1	05/30/2024 15:01	WG2295241
PCB 1248	U		0.00851	0.0196	1	05/30/2024 15:01	WG2295241
PCB 1254	U		0.00851	0.0196	1	05/30/2024 15:01	WG2295241
PCB 1260	U		0.00851	0.0196	1	05/30/2024 15:01	WG2295241
(S) Decachlorobiphenyl	*59.4*			*10.0-135*		*05/30/2024 15:01*	WG2295241
(S) Tetrachloro-m-xylene	*74.5*			*10.0-139*		*05/30/2024 15:01*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00621	0.0384	1	05/30/2024 20:52	WG2295242
Acenaphthylene	U		0.00541	0.0384	1	05/30/2024 20:52	WG2295242
Anthracene	U		0.00683	0.0384	1	05/30/2024 20:52	WG2295242
Benzidine	U	J6	0.0722	1.92	1	05/30/2024 20:52	WG2295242
Benzo(a)anthracene	U		0.00677	0.0384	1	05/30/2024 20:52	WG2295242
Benzo(b)fluoranthene	0.00722	J	0.00716	0.0384	1	05/30/2024 20:52	WG2295242
Benzo(k)fluoranthene	U		0.00682	0.0384	1	05/30/2024 20:52	WG2295242
Benzo(g,h,i)perylene	U		0.00702	0.0384	1	05/30/2024 20:52	WG2295242
Benzo(a)pyrene	U		0.00713	0.0384	1	05/30/2024 20:52	WG2295242
Bis(2-chlorethoxy)methane	U		0.0115	0.384	1	05/30/2024 20:52	WG2295242
Bis(2-chloroethyl)ether	U		0.0127	0.384	1	05/30/2024 20:52	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0166	0.384	1	05/30/2024 20:52	WG2295242
4-Bromophenyl-phenylether	U		0.0135	0.384	1	05/30/2024 20:52	WG2295242
2-Chloronaphthalene	U		0.00674	0.0384	1	05/30/2024 20:52	WG2295242
4-Chlorophenyl-phenylether	U		0.0134	0.384	1	05/30/2024 20:52	WG2295242
Chrysene	U		0.00763	0.0384	1	05/30/2024 20:52	WG2295242
Dibenz(a,h)anthracene	U		0.0106	0.0384	1	05/30/2024 20:52	WG2295242
1,2-Dichlorobenzene	U		0.0114	0.384	1	05/30/2024 20:52	WG2295242
1,3-Dichlorobenzene	U		0.0116	0.384	1	05/30/2024 20:52	WG2295242
1,4-Dichlorobenzene	U		0.0114	0.384	1	05/30/2024 20:52	WG2295242
3,3-Dichlorobenzidine	U		0.0142	0.384	1	05/30/2024 20:52	WG2295242
2,4-Dinitrotoluene	U		0.0110	0.384	1	05/30/2024 20:52	WG2295242
2,6-Dinitrotoluene	U		0.0126	0.384	1	05/30/2024 20:52	WG2295242
Fluoranthene	U		0.00693	0.0384	1	05/30/2024 20:52	WG2295242
Fluorene	U		0.00625	0.0384	1	05/30/2024 20:52	WG2295242
Hexachlorobenzene	U		0.0136	0.384	1	05/30/2024 20:52	WG2295242
Hexachloro-1,3-butadiene	U		0.0129	0.384	1	05/30/2024 20:52	WG2295242
Hexachlorocyclopentadiene	U	J6	0.0202	0.384	1	05/30/2024 20:52	WG2295242
Hexachloroethane	U		0.0151	0.384	1	05/30/2024 20:52	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0108	0.0384	1	05/30/2024 20:52	WG2295242
Isophorone	U		0.0118	0.384	1	05/30/2024 20:52	WG2295242
Naphthalene	U		0.00964	0.0384	1	05/30/2024 20:52	WG2295242
Nitrobenzene	U		0.0134	0.384	1	05/30/2024 20:52	WG2295242
n-Nitrosodimethylamine	U		0.0569	0.384	1	05/30/2024 20:52	WG2295242
n-Nitrosodiphenylamine	U		0.0290	0.384	1	05/30/2024 20:52	WG2295242
n-Nitrosodi-n-propylamine	U		0.0128	0.384	1	05/30/2024 20:52	WG2295242
Phenanthrene	U		0.00762	0.0384	1	05/30/2024 20:52	WG2295242
Benzylbutyl phthalate	U		0.0120	0.384	1	05/30/2024 20:52	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0486	0.384	1	05/30/2024 20:52	WG2295242
Di-n-butyl phthalate	U		0.0131	0.384	1	05/30/2024 20:52	WG2295242
Diethyl phthalate	U		0.0127	0.384	1	05/30/2024 20:52	WG2295242
Dimethyl phthalate	U		0.0814	0.384	1	05/30/2024 20:52	WG2295242
Di-n-octyl phthalate	U		0.0259	0.384	1	05/30/2024 20:52	WG2295242
Pyrene	0.00816	J	0.00747	0.0384	1	05/30/2024 20:52	WG2295242
1,2,4-Trichlorobenzene	U		0.0120	0.384	1	05/30/2024 20:52	WG2295242
4-Chloro-3-methylphenol	U	J3	0.0124	0.384	1	05/30/2024 20:52	WG2295242
2-Chlorophenol	U		0.0127	0.384	1	05/30/2024 20:52	WG2295242
2,4-Dichlorophenol	U		0.0112	0.384	1	05/30/2024 20:52	WG2295242
2,4-Dimethylphenol	U		0.0100	0.384	1	05/30/2024 20:52	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0870	0.384	1	05/30/2024 20:52	WG2295242
2,4-Dinitrophenol	U	J3	0.0898	0.384	1	05/30/2024 20:52	WG2295242
2-Nitrophenol	U		0.0137	0.384	1	05/30/2024 20:52	WG2295242
4-Nitrophenol	U		0.0120	0.384	1	05/30/2024 20:52	WG2295242
Pentachlorophenol	U		0.0103	0.384	1	05/30/2024 20:52	WG2295242
Phenol	U	J3 J6	0.0154	0.384	1	05/30/2024 20:52	WG2295242
2,4,6-Trichlorophenol	U		0.0123	0.384	1	05/30/2024 20:52	WG2295242
(S) 2-Fluorophenol	*54.0*			*12.0-120*		*05/30/2024 20:52*	WG2295242
(S) Phenol-d5	*48.6*			*10.0-120*		*05/30/2024 20:52*	WG2295242
(S) Nitrobenzene-d5	*42.3*			*10.0-122*		*05/30/2024 20:52*	WG2295242
(S) 2-Fluorobiphenyl	*46.6*			*15.0-120*		*05/30/2024 20:52*	WG2295242
(S) 2,4,6-Tribromophenol	*41.7*			*10.0-127*		*05/30/2024 20:52*	WG2295242
(S) p-Terphenyl-d14	*51.8*			*10.0-120*		*05/30/2024 20:52*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0740		0.0218	0.0485	1	05/29/2024 21:57	WG2295049

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.18	J6	0.660	2.43	1	06/01/2024 13:39	WG2295060
Arsenic	1930	J3 O1 V	0.628	2.43	1	06/01/2024 13:39	WG2295060
Barium	842	J3 O1 V	0.103	0.606	1	06/01/2024 13:39	WG2295060
Beryllium	0.194	J	0.0382	0.243	1	06/01/2024 13:39	WG2295060
Cadmium	1.71		0.0571	0.606	1	06/01/2024 13:39	WG2295060
Chromium	835	J3 V	0.161	1.21	1	06/01/2024 13:39	WG2295060
Cobalt	15.4	J6 O1	0.0984	1.21	1	06/01/2024 13:39	WG2295060
Copper	80.7		0.485	2.43	1	06/01/2024 13:39	WG2295060
Lead	138		0.252	0.606	1	06/01/2024 13:39	WG2295060
Molybdenum	1.09		0.132	0.606	1	06/01/2024 13:39	WG2295060
Nickel	166	J3 J6	0.160	2.43	1	06/01/2024 13:39	WG2295060
Selenium	1.48	J	0.927	2.43	1	06/01/2024 13:39	WG2295060
Silver	0.307	J	0.154	1.21	1	06/01/2024 13:39	WG2295060
Thallium	1.83	J	0.478	2.43	1	06/01/2024 13:39	WG2295060
Vanadium	47.9	J6	0.614	2.43	1	06/01/2024 13:39	WG2295060
Zinc	218	J6	1.01	6.06	1	06/01/2024 13:39	WG2295060

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0614	0.0840	1.21	05/29/2024 22:35	WG2295165
Acrylonitrile	U		0.00607	0.0210	1.21	05/29/2024 22:35	WG2295165
Benzene	U		0.000785	0.00168	1.21	05/29/2024 22:35	WG2295165
Bromobenzene	U		0.00151	0.0210	1.21	05/29/2024 22:35	WG2295165
Bromodichloromethane	U		0.00122	0.00421	1.21	05/29/2024 22:35	WG2295165
Bromoform	U		0.00197	0.0421	1.21	05/29/2024 22:35	WG2295165
Bromomethane	U		0.00331	0.0210	1.21	05/29/2024 22:35	WG2295165
n-Butylbenzene	U		0.00882	0.0210	1.21	05/29/2024 22:35	WG2295165
sec-Butylbenzene	U		0.00483	0.0210	1.21	05/29/2024 22:35	WG2295165
tert-Butylbenzene	U		0.00328	0.00840	1.21	05/29/2024 22:35	WG2295165
Carbon tetrachloride	U		0.00151	0.00840	1.21	05/29/2024 22:35	WG2295165
Chlorobenzene	U		0.000353	0.00421	1.21	05/29/2024 22:35	WG2295165
Chlorodibromomethane	U		0.00103	0.00421	1.21	05/29/2024 22:35	WG2295165
Chloroethane	U		0.00286	0.00840	1.21	05/29/2024 22:35	WG2295165
Chloroform	U		0.00174	0.00421	1.21	05/29/2024 22:35	WG2295165
Chloromethane	U		0.00731	0.0210	1.21	05/29/2024 22:35	WG2295165
2-Chlorotoluene	U		0.00146	0.00421	1.21	05/29/2024 22:35	WG2295165
4-Chlorotoluene	U		0.000756	0.00840	1.21	05/29/2024 22:35	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00656	0.0421	1.21	05/29/2024 22:35	WG2295165
1,2-Dibromoethane	U		0.00109	0.00421	1.21	05/29/2024 22:35	WG2295165
Dibromomethane	U		0.00126	0.00840	1.21	05/29/2024 22:35	WG2295165
1,2-Dichlorobenzene	U		0.000714	0.00840	1.21	05/29/2024 22:35	WG2295165
1,3-Dichlorobenzene	U		0.00101	0.00840	1.21	05/29/2024 22:35	WG2295165
1,4-Dichlorobenzene	U		0.00118	0.00840	1.21	05/29/2024 22:35	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00271	0.00840	1.21	05/29/2024 22:35	WG2295165
1,1-Dichloroethane	U		0.000825	0.00421	1.21	05/29/2024 22:35	WG2295165
1,2-Dichloroethane	U		0.00109	0.00421	1.21	05/29/2024 22:35	WG2295165
1,1-Dichloroethene	U		0.00102	0.00421	1.21	05/29/2024 22:35	WG2295165
cis-1,2-Dichloroethene	U		0.00123	0.00421	1.21	05/29/2024 22:35	WG2295165
trans-1,2-Dichloroethene	U		0.00175	0.00840	1.21	05/29/2024 22:35	WG2295165
1,2-Dichloropropane	U		0.00239	0.00840	1.21	05/29/2024 22:35	WG2295165
1,1-Dichloropropene	U		0.00136	0.00421	1.21	05/29/2024 22:35	WG2295165
1,3-Dichloropropane	U		0.000842	0.00840	1.21	05/29/2024 22:35	WG2295165
cis-1,3-Dichloropropene	U		0.00127	0.00421	1.21	05/29/2024 22:35	WG2295165
trans-1,3-Dichloropropene	U		0.00192	0.00840	1.21	05/29/2024 22:35	WG2295165
2,2-Dichloropropane	U		0.00232	0.00421	1.21	05/29/2024 22:35	WG2295165
Di-isopropyl ether	U		0.000689	0.00168	1.21	05/29/2024 22:35	WG2295165
Ethylbenzene	U		0.00124	0.00421	1.21	05/29/2024 22:35	WG2295165
Hexachloro-1,3-butadiene	U		0.0101	0.0421	1.21	05/29/2024 22:35	WG2295165
Isopropylbenzene	U		0.000714	0.00421	1.21	05/29/2024 22:35	WG2295165
p-Isopropyltoluene	U		0.00429	0.00840	1.21	05/29/2024 22:35	WG2295165
2-Butanone (MEK)	U		0.107	0.168	1.21	05/29/2024 22:35	WG2295165
Methylene Chloride	U		0.0112	0.0421	1.21	05/29/2024 22:35	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00383	0.0421	1.21	05/29/2024 22:35	WG2295165
Methyl tert-butyl ether	U		0.000588	0.00168	1.21	05/29/2024 22:35	WG2295165
Naphthalene	U		0.00819	0.0210	1.21	05/29/2024 22:35	WG2295165
n-Propylbenzene	U		0.00160	0.00840	1.21	05/29/2024 22:35	WG2295165
Styrene	U		0.000385	0.0210	1.21	05/29/2024 22:35	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00160	0.00421	1.21	05/29/2024 22:35	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00117	0.00421	1.21	05/29/2024 22:35	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00421	1.21	05/29/2024 22:35	WG2295165
Tetrachloroethene	U		0.00150	0.00421	1.21	05/29/2024 22:35	WG2295165
Toluene	U		0.00218	0.00840	1.21	05/29/2024 22:35	WG2295165
1,2,3-Trichlorobenzene	U		0.0123	0.0210	1.21	05/29/2024 22:35	WG2295165
1,2,4-Trichlorobenzene	U		0.00739	0.0210	1.21	05/29/2024 22:35	WG2295165
1,1,1-Trichloroethane	U		0.00156	0.00421	1.21	05/29/2024 22:35	WG2295165
1,1,2-Trichloroethane	U		0.00100	0.00421	1.21	05/29/2024 22:35	WG2295165
Trichloroethene	U		0.000982	0.00168	1.21	05/29/2024 22:35	WG2295165
Trichlorofluoromethane	U		0.00139	0.00421	1.21	05/29/2024 22:35	WG2295165
1,2,3-Trichloropropane	U		0.00272	0.0210	1.21	05/29/2024 22:35	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00265	0.00840	1.21	05/29/2024 22:35	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00265	0.00840	1.21	05/29/2024 22:35	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00336	0.00840	1.21	05/29/2024 22:35	WG2295165
Vinyl chloride	U		0.00194	0.00421	1.21	05/29/2024 22:35	WG2295165
Xylenes, Total	U		0.00147	0.0109	1.21	05/29/2024 22:35	WG2295165
(S) Toluene-d8	*111*			*75.0-131*		*05/29/2024 22:35*	WG2295165
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/29/2024 22:35*	WG2295165
(S) 1,2-Dichloroethane-d4	*84.9*			*70.0-130*		*05/29/2024 22:35*	WG2295165

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00654	0.0404	1	05/30/2024 22:41	WG2295242
Acenaphthylene	U		0.00569	0.0404	1	05/30/2024 22:41	WG2295242
Anthracene	U		0.00719	0.0404	1	05/30/2024 22:41	WG2295242
Benzidine	U		0.0759	2.03	1	05/30/2024 22:41	WG2295242
Benzo(a)anthracene	U		0.00712	0.0404	1	05/30/2024 22:41	WG2295242
Benzo(b)fluoranthene	0.0129	J	0.00753	0.0404	1	05/30/2024 22:41	WG2295242
Benzo(k)fluoranthene	U		0.00718	0.0404	1	05/30/2024 22:41	WG2295242
Benzo(g,h,i)perylene	0.0150	J	0.00739	0.0404	1	05/30/2024 22:41	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.00863	J	0.00751	0.0404	1	05/30/2024 22:41	WG2295242
Bis(2-chlorethoxy)methane	U		0.0121	0.404	1	05/30/2024 22:41	WG2295242
Bis(2-chloroethyl)ether	U		0.0133	0.404	1	05/30/2024 22:41	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0175	0.404	1	05/30/2024 22:41	WG2295242
4-Bromophenyl-phenylether	U		0.0142	0.404	1	05/30/2024 22:41	WG2295242
2-Chloronaphthalene	U		0.00709	0.0404	1	05/30/2024 22:41	WG2295242
4-Chlorophenyl-phenylether	U		0.0141	0.404	1	05/30/2024 22:41	WG2295242
Chrysene	U		0.00803	0.0404	1	05/30/2024 22:41	WG2295242
Dibenz(a,h)anthracene	U		0.0112	0.0404	1	05/30/2024 22:41	WG2295242
1,2-Dichlorobenzene	U		0.0120	0.404	1	05/30/2024 22:41	WG2295242
1,3-Dichlorobenzene	U		0.0122	0.404	1	05/30/2024 22:41	WG2295242
1,4-Dichlorobenzene	U		0.0120	0.404	1	05/30/2024 22:41	WG2295242
3,3-Dichlorobenzidine	U		0.0149	0.404	1	05/30/2024 22:41	WG2295242
2,4-Dinitrotoluene	U		0.0116	0.404	1	05/30/2024 22:41	WG2295242
2,6-Dinitrotoluene	U		0.0132	0.404	1	05/30/2024 22:41	WG2295242
Fluoranthene	0.0112	J	0.00729	0.0404	1	05/30/2024 22:41	WG2295242
Fluorene	U		0.00657	0.0404	1	05/30/2024 22:41	WG2295242
Hexachlorobenzene	U		0.0143	0.404	1	05/30/2024 22:41	WG2295242
Hexachloro-1,3-butadiene	U		0.0136	0.404	1	05/30/2024 22:41	WG2295242
Hexachlorocyclopentadiene	U		0.0212	0.404	1	05/30/2024 22:41	WG2295242
Hexachloroethane	U		0.0159	0.404	1	05/30/2024 22:41	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0114	0.0404	1	05/30/2024 22:41	WG2295242
Isophorone	U		0.0124	0.404	1	05/30/2024 22:41	WG2295242
Naphthalene	U		0.0101	0.0404	1	05/30/2024 22:41	WG2295242
Nitrobenzene	U		0.0141	0.404	1	05/30/2024 22:41	WG2295242
n-Nitrosodimethylamine	U		0.0599	0.404	1	05/30/2024 22:41	WG2295242
n-Nitrosodiphenylamine	U		0.0306	0.404	1	05/30/2024 22:41	WG2295242
n-Nitrosodi-n-propylamine	U		0.0135	0.404	1	05/30/2024 22:41	WG2295242
Phenanthrene	U		0.00802	0.0404	1	05/30/2024 22:41	WG2295242
Benzylbutyl phthalate	0.0418	J	0.0126	0.404	1	05/30/2024 22:41	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0512	0.404	1	05/30/2024 22:41	WG2295242
Di-n-butyl phthalate	U		0.0138	0.404	1	05/30/2024 22:41	WG2295242
Diethyl phthalate	U		0.0133	0.404	1	05/30/2024 22:41	WG2295242
Dimethyl phthalate	U		0.0856	0.404	1	05/30/2024 22:41	WG2295242
Di-n-octyl phthalate	U		0.0273	0.404	1	05/30/2024 22:41	WG2295242
Pyrene	0.0122	J	0.00786	0.0404	1	05/30/2024 22:41	WG2295242
1,2,4-Trichlorobenzene	U		0.0126	0.404	1	05/30/2024 22:41	WG2295242
4-Chloro-3-methylphenol	U		0.0131	0.404	1	05/30/2024 22:41	WG2295242
2-Chlorophenol	U		0.0133	0.404	1	05/30/2024 22:41	WG2295242
2,4-Dichlorophenol	U		0.0118	0.404	1	05/30/2024 22:41	WG2295242
2,4-Dimethylphenol	U		0.0106	0.404	1	05/30/2024 22:41	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0916	0.404	1	05/30/2024 22:41	WG2295242
2,4-Dinitrophenol	U		0.0945	0.404	1	05/30/2024 22:41	WG2295242
2-Nitrophenol	U		0.0144	0.404	1	05/30/2024 22:41	WG2295242
4-Nitrophenol	U		0.0126	0.404	1	05/30/2024 22:41	WG2295242
Pentachlorophenol	U		0.0109	0.404	1	05/30/2024 22:41	WG2295242
Phenol	U		0.0163	0.404	1	05/30/2024 22:41	WG2295242
2,4,6-Trichlorophenol	U		0.0130	0.404	1	05/30/2024 22:41	WG2295242
(S) 2-Fluorophenol	*51.1*			*12.0-120*		*05/30/2024 22:41*	WG2295242
(S) Phenol-d5	*47.7*			*10.0-120*		*05/30/2024 22:41*	WG2295242
(S) Nitrobenzene-d5	*39.3*			*10.0-122*		*05/30/2024 22:41*	WG2295242
(S) 2-Fluorobiphenyl	*46.0*			*15.0-120*		*05/30/2024 22:41*	WG2295242
(S) 2,4,6-Tribromophenol	*42.5*			*10.0-127*		*05/30/2024 22:41*	WG2295242
(S) p-Terphenyl-d14	*51.2*			*10.0-120*		*05/30/2024 22:41*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0288	J	0.0197	0.0439	1	05/30/2024 14:58	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.891	J	0.596	2.19	1	05/31/2024 20:19	WG2295058
Arsenic	3460		0.568	2.19	1	05/31/2024 20:19	WG2295058
Barium	723		0.0934	0.548	1	05/31/2024 20:19	WG2295058
Beryllium	U		0.0345	0.219	1	05/31/2024 20:19	WG2295058
Cadmium	0.614		0.0516	0.548	1	05/31/2024 20:19	WG2295058
Chromium	313		0.146	1.10	1	05/31/2024 20:19	WG2295058
Cobalt	3.46		0.0889	1.10	1	05/31/2024 20:19	WG2295058
Copper	50.4		0.439	2.19	1	05/31/2024 20:19	WG2295058
Lead	42.8		0.228	0.548	1	05/31/2024 20:19	WG2295058
Molybdenum	0.205	J	0.120	0.548	1	05/31/2024 20:19	WG2295058
Nickel	42.9		0.145	2.19	1	05/31/2024 20:19	WG2295058
Selenium	1.15	J	0.838	2.19	1	05/31/2024 20:19	WG2295058
Silver	U		0.139	1.10	1	05/31/2024 20:19	WG2295058
Thallium	U		0.432	2.19	1	05/31/2024 20:19	WG2295058
Vanadium	54.0		0.555	2.19	1	05/31/2024 20:19	WG2295058
Zinc	17.6		0.912	5.48	1	05/31/2024 20:19	WG2295058

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.54	B J	1.00	3.02	25	05/29/2024 16:26	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*05/29/2024 16:26*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0442	0.0605	1	05/29/2024 22:55	WG2295165
Acrylonitrile	U		0.00437	0.0151	1	05/29/2024 22:55	WG2295165
Benzene	U		0.000565	0.00121	1	05/29/2024 22:55	WG2295165
Bromobenzene	U		0.00109	0.0151	1	05/29/2024 22:55	WG2295165
Bromodichloromethane	U		0.000877	0.00302	1	05/29/2024 22:55	WG2295165
Bromoform	U		0.00142	0.0302	1	05/29/2024 22:55	WG2295165
Bromomethane	U		0.00238	0.0151	1	05/29/2024 22:55	WG2295165
n-Butylbenzene	U		0.00635	0.0151	1	05/29/2024 22:55	WG2295165
sec-Butylbenzene	U		0.00348	0.0151	1	05/29/2024 22:55	WG2295165
tert-Butylbenzene	U		0.00236	0.00605	1	05/29/2024 22:55	WG2295165
Carbon tetrachloride	U		0.00109	0.00605	1	05/29/2024 22:55	WG2295165
Chlorobenzene	U		0.000254	0.00302	1	05/29/2024 22:55	WG2295165
Chlorodibromomethane	U		0.000740	0.00302	1	05/29/2024 22:55	WG2295165
Chloroethane	U		0.00206	0.00605	1	05/29/2024 22:55	WG2295165
Chloroform	U		0.00125	0.00302	1	05/29/2024 22:55	WG2295165
Chloromethane	U		0.00526	0.0151	1	05/29/2024 22:55	WG2295165
2-Chlorotoluene	U		0.00105	0.00302	1	05/29/2024 22:55	WG2295165
4-Chlorotoluene	U		0.000544	0.00605	1	05/29/2024 22:55	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00472	0.0302	1	05/29/2024 22:55	WG2295165
1,2-Dibromoethane	U		0.000784	0.00302	1	05/29/2024 22:55	WG2295165
Dibromomethane	U		0.000907	0.00605	1	05/29/2024 22:55	WG2295165
1,2-Dichlorobenzene	U		0.000514	0.00605	1	05/29/2024 22:55	WG2295165
1,3-Dichlorobenzene	U		0.000726	0.00605	1	05/29/2024 22:55	WG2295165
1,4-Dichlorobenzene	U		0.000847	0.00605	1	05/29/2024 22:55	WG2295165
Dichlorodifluoromethane	U		0.00195	0.00605	1	05/29/2024 22:55	WG2295165
1,1-Dichloroethane	U		0.000594	0.00302	1	05/29/2024 22:55	WG2295165
1,2-Dichloroethane	U		0.000785	0.00302	1	05/29/2024 22:55	WG2295165
1,1-Dichloroethene	U		0.000733	0.00302	1	05/29/2024 22:55	WG2295165
cis-1,2-Dichloroethene	U		0.000888	0.00302	1	05/29/2024 22:55	WG2295165
trans-1,2-Dichloroethene	U		0.00126	0.00605	1	05/29/2024 22:55	WG2295165
1,2-Dichloropropane	U		0.00172	0.00605	1	05/29/2024 22:55	WG2295165
1,1-Dichloropropene	U		0.000979	0.00302	1	05/29/2024 22:55	WG2295165
1,3-Dichloropropane	U		0.000606	0.00605	1	05/29/2024 22:55	WG2295165
cis-1,3-Dichloropropene	U		0.000916	0.00302	1	05/29/2024 22:55	WG2295165
trans-1,3-Dichloropropene	U		0.00138	0.00605	1	05/29/2024 22:55	WG2295165
2,2-Dichloropropane	U		0.00167	0.00302	1	05/29/2024 22:55	WG2295165
Di-isopropyl ether	U		0.000496	0.00121	1	05/29/2024 22:55	WG2295165
Ethylbenzene	U		0.000892	0.00302	1	05/29/2024 22:55	WG2295165
Hexachloro-1,3-butadiene	U		0.00726	0.0302	1	05/29/2024 22:55	WG2295165
Isopropylbenzene	U		0.000514	0.00302	1	05/29/2024 22:55	WG2295165
p-Isopropyltoluene	U		0.00309	0.00605	1	05/29/2024 22:55	WG2295165
2-Butanone (MEK)	U		0.0768	0.121	1	05/29/2024 22:55	WG2295165
Methylene Chloride	U		0.00803	0.0302	1	05/29/2024 22:55	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00276	0.0302	1	05/29/2024 22:55	WG2295165
Methyl tert-butyl ether	U		0.000423	0.00121	1	05/29/2024 22:55	WG2295165
Naphthalene	U		0.00590	0.0151	1	05/29/2024 22:55	WG2295165
n-Propylbenzene	U		0.00115	0.00605	1	05/29/2024 22:55	WG2295165
Styrene	U		0.000277	0.0151	1	05/29/2024 22:55	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00115	0.00302	1	05/29/2024 22:55	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000841	0.00302	1	05/29/2024 22:55	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000912	0.00302	1	05/29/2024 22:55	WG2295165
Tetrachloroethene	U		0.00108	0.00302	1	05/29/2024 22:55	WG2295165
Toluene	U		0.00157	0.00605	1	05/29/2024 22:55	WG2295165
1,2,3-Trichlorobenzene	U		0.00887	0.0151	1	05/29/2024 22:55	WG2295165
1,2,4-Trichlorobenzene	U		0.00532	0.0151	1	05/29/2024 22:55	WG2295165
1,1,1-Trichloroethane	U		0.00112	0.00302	1	05/29/2024 22:55	WG2295165
1,1,2-Trichloroethane	U		0.000722	0.00302	1	05/29/2024 22:55	WG2295165
Trichloroethene	U		0.000707	0.00121	1	05/29/2024 22:55	WG2295165
Trichlorofluoromethane	U		0.00100	0.00302	1	05/29/2024 22:55	WG2295165
1,2,3-Trichloropropane	U		0.00196	0.0151	1	05/29/2024 22:55	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00191	0.00605	1	05/29/2024 22:55	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00191	0.00605	1	05/29/2024 22:55	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00242	0.00605	1	05/29/2024 22:55	WG2295165
Vinyl chloride	U		0.00140	0.00302	1	05/29/2024 22:55	WG2295165
Xylenes, Total	U		0.00106	0.00786	1	05/29/2024 22:55	WG2295165
(S) Toluene-d8	*109*			*75.0-131*		*05/29/2024 22:55*	WG2295165
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*05/29/2024 22:55*	WG2295165
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*05/29/2024 22:55*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.04	J	0.804	4.39	1	05/30/2024 15:34	WG2295238
C22-C32 Hydrocarbons	4.01	J	1.46	4.39	1	05/30/2024 15:34	WG2295238
C32-C40 Hydrocarbons	U		1.46	4.39	1	05/30/2024 15:34	WG2295238
(S) o-Terphenyl	*61.6*			*18.0-148*		*05/30/2024 15:34*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	T8	0.00591	0.0365	1	06/07/2024 04:10	WG2300034
Acenaphthylene	U	T8	0.00514	0.0365	1	06/07/2024 04:10	WG2300034
Anthracene	U	T8	0.00650	0.0365	1	06/07/2024 04:10	WG2300034
Benzidine	U	T8	0.0686	1.83	1	06/07/2024 04:10	WG2300034
Benzo(a)anthracene	U	T8	0.00644	0.0365	1	06/07/2024 04:10	WG2300034
Benzo(b)fluoranthene	U	T8	0.00681	0.0365	1	06/07/2024 04:10	WG2300034
Benzo(k)fluoranthene	U	T8	0.00649	0.0365	1	06/07/2024 04:10	WG2300034
Benzo(g,h,i)perylene	U	T8	0.00668	0.0365	1	06/07/2024 04:10	WG2300034
Benzo(a)pyrene	U	T8	0.00679	0.0365	1	06/07/2024 04:10	WG2300034
Bis(2-chlorethoxy)methane	U	T8	0.0110	0.365	1	06/07/2024 04:10	WG2300034
Bis(2-chloroethyl)ether	U	T8	0.0121	0.365	1	06/07/2024 04:10	WG2300034
2,2-Oxybis(1-Chloropropane)	U	T8	0.0158	0.365	1	06/07/2024 04:10	WG2300034
4-Bromophenyl-phenylether	U	T8	0.0128	0.365	1	06/07/2024 04:10	WG2300034
2-Chloronaphthalene	U	T8	0.00641	0.0365	1	06/07/2024 04:10	WG2300034
4-Chlorophenyl-phenylether	U	T8	0.0127	0.365	1	06/07/2024 04:10	WG2300034
Chrysene	U	T8	0.00726	0.0365	1	06/07/2024 04:10	WG2300034
Dibenz(a,h)anthracene	U	T8	0.0101	0.0365	1	06/07/2024 04:10	WG2300034
1,2-Dichlorobenzene	U	T8	0.0108	0.365	1	06/07/2024 04:10	WG2300034
1,3-Dichlorobenzene	U	T8	0.0111	0.365	1	06/07/2024 04:10	WG2300034
1,4-Dichlorobenzene	U	T8	0.0109	0.365	1	06/07/2024 04:10	WG2300034
3,3-Dichlorobenzidine	U	T8	0.0135	0.365	1	06/07/2024 04:10	WG2300034
2,4-Dinitrotoluene	U	T8	0.0105	0.365	1	06/07/2024 04:10	WG2300034
2,6-Dinitrotoluene	U	T8	0.0120	0.365	1	06/07/2024 04:10	WG2300034
Fluoranthene	U	T8	0.00659	0.0365	1	06/07/2024 04:10	WG2300034
Fluorene	U	T8	0.00594	0.0365	1	06/07/2024 04:10	WG2300034
Hexachlorobenzene	U	T8	0.0129	0.365	1	06/07/2024 04:10	WG2300034
Hexachloro-1,3-butadiene	U	T8	0.0123	0.365	1	06/07/2024 04:10	WG2300034
Hexachlorocyclopentadiene	U	T8	0.0192	0.365	1	06/07/2024 04:10	WG2300034
Hexachloroethane	U	T8	0.0144	0.365	1	06/07/2024 04:10	WG2300034
Indeno(1,2,3-cd)pyrene	U	T8	0.0103	0.0365	1	06/07/2024 04:10	WG2300034
Isophorone	U	T8	0.0112	0.365	1	06/07/2024 04:10	WG2300034
Naphthalene	U	T8	0.00917	0.0365	1	06/07/2024 04:10	WG2300034
Nitrobenzene	U	T8	0.0127	0.365	1	06/07/2024 04:10	WG2300034
n-Nitrosodimethylamine	U	T8	0.0542	0.365	1	06/07/2024 04:10	WG2300034
n-Nitrosodiphenylamine	U	T8	0.0276	0.365	1	06/07/2024 04:10	WG2300034
n-Nitrosodi-n-propylamine	U	T8	0.0122	0.365	1	06/07/2024 04:10	WG2300034
Phenanthrene	U	T8	0.00725	0.0365	1	06/07/2024 04:10	WG2300034
Benzylbutyl phthalate	U	T8	0.0114	0.365	1	06/07/2024 04:10	WG2300034
Bis(2-ethylhexyl)phthalate	U	T8	0.0463	0.365	1	06/07/2024 04:10	WG2300034
Di-n-butyl phthalate	U	T8	0.0125	0.365	1	06/07/2024 04:10	WG2300034
Diethyl phthalate	U	T8	0.0121	0.365	1	06/07/2024 04:10	WG2300034
Dimethyl phthalate	U	T8	0.0774	0.365	1	06/07/2024 04:10	WG2300034
Di-n-octyl phthalate	U	T8	0.0247	0.365	1	06/07/2024 04:10	WG2300034
Pyrene	U	T8	0.00710	0.0365	1	06/07/2024 04:10	WG2300034
1,2,4-Trichlorobenzene	U	T8	0.0114	0.365	1	06/07/2024 04:10	WG2300034
4-Chloro-3-methylphenol	U	T8	0.0118	0.365	1	06/07/2024 04:10	WG2300034
2-Chlorophenol	U	T8	0.0121	0.365	1	06/07/2024 04:10	WG2300034
2,4-Dichlorophenol	U	T8	0.0106	0.365	1	06/07/2024 04:10	WG2300034

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U	T8	0.00954	0.365	1	06/07/2024 04:10	WG2300034
4,6-Dinitro-2-methylphenol	U	T8	0.0828	0.365	1	06/07/2024 04:10	WG2300034
2,4-Dinitrophenol	U	T8	0.0854	0.365	1	06/07/2024 04:10	WG2300034
2-Nitrophenol	U	T8	0.0130	0.365	1	06/07/2024 04:10	WG2300034
4-Nitrophenol	U	T8	0.0114	0.365	1	06/07/2024 04:10	WG2300034
Pentachlorophenol	U	T8	0.00982	0.365	1	06/07/2024 04:10	WG2300034
Phenol	U	T8	0.0147	0.365	1	06/07/2024 04:10	WG2300034
2,4,6-Trichlorophenol	U	T8	0.0117	0.365	1	06/07/2024 04:10	WG2300034
(S) 2-Fluorophenol	*56.5*			*12.0-120*		*06/07/2024 04:10*	WG2300034
(S) Phenol-d5	*50.6*			*10.0-120*		*06/07/2024 04:10*	WG2300034
(S) Nitrobenzene-d5	*42.1*			*10.0-122*		*06/07/2024 04:10*	WG2300034
(S) 2-Fluorobiphenyl	*49.7*			*15.0-120*		*06/07/2024 04:10*	WG2300034
(S) 2,4,6-Tribromophenol	*48.9*			*10.0-127*		*06/07/2024 04:10*	WG2300034
(S) p-Terphenyl-d14	*54.2*			*10.0-120*		*06/07/2024 04:10*	WG2300034

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	06/04/2024 14:49	WG2298380

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	311		0.709	2.74	1	07/01/2024 20:04	WG2315127

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0658	0.0901	1	06/04/2024 17:59	WG2298400
Acrylonitrile	U		0.00651	0.0225	1	06/04/2024 17:59	WG2298400
Benzene	U		0.000842	0.00180	1	06/04/2024 17:59	WG2298400
Bromobenzene	U		0.00162	0.0225	1	06/04/2024 17:59	WG2298400
Bromodichloromethane	U		0.00131	0.00451	1	06/04/2024 17:59	WG2298400
Bromoform	U		0.00211	0.0451	1	06/04/2024 17:59	WG2298400
Bromomethane	U		0.00355	0.0225	1	06/04/2024 17:59	WG2298400
n-Butylbenzene	U		0.00946	0.0225	1	06/04/2024 17:59	WG2298400
sec-Butylbenzene	U		0.00519	0.0225	1	06/04/2024 17:59	WG2298400
tert-Butylbenzene	U		0.00352	0.00901	1	06/04/2024 17:59	WG2298400
Carbon tetrachloride	U		0.00162	0.00901	1	06/04/2024 17:59	WG2298400
Chlorobenzene	U		0.000379	0.00451	1	06/04/2024 17:59	WG2298400
Chlorodibromomethane	U		0.00110	0.00451	1	06/04/2024 17:59	WG2298400
Chloroethane	U		0.00306	0.00901	1	06/04/2024 17:59	WG2298400
Chloroform	U		0.00186	0.00451	1	06/04/2024 17:59	WG2298400
Chloromethane	U		0.00784	0.0225	1	06/04/2024 17:59	WG2298400
2-Chlorotoluene	U		0.00156	0.00451	1	06/04/2024 17:59	WG2298400
4-Chlorotoluene	U		0.000811	0.00901	1	06/04/2024 17:59	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00703	0.0451	1	06/04/2024 17:59	WG2298400
1,2-Dibromoethane	U		0.00117	0.00451	1	06/04/2024 17:59	WG2298400
Dibromomethane	U		0.00135	0.00901	1	06/04/2024 17:59	WG2298400
1,2-Dichlorobenzene	U		0.000766	0.00901	1	06/04/2024 17:59	WG2298400
1,3-Dichlorobenzene	U		0.00108	0.00901	1	06/04/2024 17:59	WG2298400
1,4-Dichlorobenzene	0.00256	J	0.00126	0.00901	1	06/04/2024 17:59	WG2298400
Dichlorodifluoromethane	U		0.00290	0.00901	1	06/04/2024 17:59	WG2298400
1,1-Dichloroethane	U		0.000885	0.00451	1	06/04/2024 17:59	WG2298400
1,2-Dichloroethane	U		0.00117	0.00451	1	06/04/2024 17:59	WG2298400
1,1-Dichloroethene	U		0.00109	0.00451	1	06/04/2024 17:59	WG2298400
cis-1,2-Dichloroethene	U		0.00132	0.00451	1	06/04/2024 17:59	WG2298400
trans-1,2-Dichloroethene	U		0.00187	0.00901	1	06/04/2024 17:59	WG2298400
1,2-Dichloropropane	U		0.00256	0.00901	1	06/04/2024 17:59	WG2298400
1,1-Dichloropropene	U		0.00146	0.00451	1	06/04/2024 17:59	WG2298400
1,3-Dichloropropane	U		0.000903	0.00901	1	06/04/2024 17:59	WG2298400
cis-1,3-Dichloropropene	U		0.00136	0.00451	1	06/04/2024 17:59	WG2298400
trans-1,3-Dichloropropene	U		0.00206	0.00901	1	06/04/2024 17:59	WG2298400
2,2-Dichloropropane	U		0.00249	0.00451	1	06/04/2024 17:59	WG2298400
Di-isopropyl ether	U		0.000739	0.00180	1	06/04/2024 17:59	WG2298400
Ethylbenzene	0.00225	J	0.00133	0.00451	1	06/04/2024 17:59	WG2298400
Hexachloro-1,3-butadiene	U		0.0108	0.0451	1	06/04/2024 17:59	WG2298400
Isopropylbenzene	U		0.000766	0.00451	1	06/04/2024 17:59	WG2298400
p-Isopropyltoluene	U		0.00460	0.00901	1	06/04/2024 17:59	WG2298400
2-Butanone (MEK)	U		0.114	0.180	1	06/04/2024 17:59	WG2298400
Methylene Chloride	U		0.0120	0.0451	1	06/04/2024 17:59	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00411	0.0451	1	06/04/2024 17:59	WG2298400
Methyl tert-butyl ether	U		0.000631	0.00180	1	06/04/2024 17:59	WG2298400

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	0.0106	J	0.00880	0.0225	1	06/04/2024 17:59	WG2298400
n-Propylbenzene	0.00337	J	0.00171	0.00901	1	06/04/2024 17:59	WG2298400
Styrene	U		0.000413	0.0225	1	06/04/2024 17:59	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00171	0.00451	1	06/04/2024 17:59	WG2298400
1,1,2,2-Tetrachloroethane	U		0.00125	0.00451	1	06/04/2024 17:59	WG2298400
1,1,2-Trichlorotrifluoroethane	U		0.00136	0.00451	1	06/04/2024 17:59	WG2298400
Tetrachloroethene	U		0.00162	0.00451	1	06/04/2024 17:59	WG2298400
Toluene	U		0.00234	0.00901	1	06/04/2024 17:59	WG2298400
1,2,3-Trichlorobenzene	U		0.0132	0.0225	1	06/04/2024 17:59	WG2298400
1,2,4-Trichlorobenzene	U		0.00793	0.0225	1	06/04/2024 17:59	WG2298400
1,1,1-Trichloroethane	U		0.00166	0.00451	1	06/04/2024 17:59	WG2298400
1,1,2-Trichloroethane	U		0.00108	0.00451	1	06/04/2024 17:59	WG2298400
Trichloroethene	U		0.00105	0.00180	1	06/04/2024 17:59	WG2298400
Trichlorofluoromethane	U		0.00149	0.00451	1	06/04/2024 17:59	WG2298400
1,2,3-Trichloropropane	U		0.00292	0.0225	1	06/04/2024 17:59	WG2298400
1,2,4-Trimethylbenzene	0.0112		0.00285	0.00901	1	06/04/2024 17:59	WG2298400
1,2,3-Trimethylbenzene	0.00398	J	0.00285	0.00901	1	06/04/2024 17:59	WG2298400
1,3,5-Trimethylbenzene	0.00709	J	0.00361	0.00901	1	06/04/2024 17:59	WG2298400
Vinyl chloride	U		0.00209	0.00451	1	06/04/2024 17:59	WG2298400
Xylenes, Total	0.0123		0.00159	0.0117	1	06/04/2024 17:59	WG2298400
(S) Toluene-d8	*101*			*75.0-131*		*06/04/2024 17:59*	WG2298400
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/04/2024 17:59*	WG2298400
(S) 1,2-Dichloroethane-d4	*87.8*			*70.0-130*		*06/04/2024 17:59*	WG2298400

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.9		1	05/30/2024 07:13	WG2294978

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.37	B J	1.48	4.45	25	05/29/2024 16:45	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*05/29/2024 16:45*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0676	0.0927	1.08	06/04/2024 18:18	WG2298400
Acrylonitrile	U		0.00669	0.0232	1.08	06/04/2024 18:18	WG2298400
Benzene	U		0.000865	0.00185	1.08	06/04/2024 18:18	WG2298400
Bromobenzene	U		0.00167	0.0232	1.08	06/04/2024 18:18	WG2298400
Bromodichloromethane	U		0.00134	0.00463	1.08	06/04/2024 18:18	WG2298400
Bromoform	U		0.00216	0.0463	1.08	06/04/2024 18:18	WG2298400
Bromomethane	U		0.00366	0.0232	1.08	06/04/2024 18:18	WG2298400
n-Butylbenzene	U		0.00973	0.0232	1.08	06/04/2024 18:18	WG2298400
sec-Butylbenzene	U		0.00534	0.0232	1.08	06/04/2024 18:18	WG2298400
tert-Butylbenzene	U		0.00362	0.00927	1.08	06/04/2024 18:18	WG2298400
Carbon tetrachloride	U		0.00166	0.00927	1.08	06/04/2024 18:18	WG2298400
Chlorobenzene	U		0.000390	0.00463	1.08	06/04/2024 18:18	WG2298400
Chlorodibromomethane	U		0.00113	0.00463	1.08	06/04/2024 18:18	WG2298400
Chloroethane	U		0.00316	0.00927	1.08	06/04/2024 18:18	WG2298400
Chloroform	U		0.00190	0.00463	1.08	06/04/2024 18:18	WG2298400
Chloromethane	U		0.00807	0.0232	1.08	06/04/2024 18:18	WG2298400
2-Chlorotoluene	U		0.00160	0.00463	1.08	06/04/2024 18:18	WG2298400
4-Chlorotoluene	U		0.000834	0.00927	1.08	06/04/2024 18:18	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00722	0.0463	1.08	06/04/2024 18:18	WG2298400
1,2-Dibromoethane	U		0.00120	0.00463	1.08	06/04/2024 18:18	WG2298400
Dibromomethane	U		0.00139	0.00927	1.08	06/04/2024 18:18	WG2298400
1,2-Dichlorobenzene	U		0.000788	0.00927	1.08	06/04/2024 18:18	WG2298400
1,3-Dichlorobenzene	U		0.00111	0.00927	1.08	06/04/2024 18:18	WG2298400
1,4-Dichlorobenzene	U		0.00130	0.00927	1.08	06/04/2024 18:18	WG2298400
Dichlorodifluoromethane	U		0.00299	0.00927	1.08	06/04/2024 18:18	WG2298400
1,1-Dichloroethane	U		0.000910	0.00463	1.08	06/04/2024 18:18	WG2298400
1,2-Dichloroethane	U		0.00120	0.00463	1.08	06/04/2024 18:18	WG2298400
1,1-Dichloroethene	U		0.00112	0.00463	1.08	06/04/2024 18:18	WG2298400
cis-1,2-Dichloroethene	U		0.00136	0.00463	1.08	06/04/2024 18:18	WG2298400
trans-1,2-Dichloroethene	U		0.00192	0.00927	1.08	06/04/2024 18:18	WG2298400
1,2-Dichloropropane	U		0.00263	0.00927	1.08	06/04/2024 18:18	WG2298400
1,1-Dichloropropene	U		0.00150	0.00463	1.08	06/04/2024 18:18	WG2298400
1,3-Dichloropropane	U		0.000928	0.00927	1.08	06/04/2024 18:18	WG2298400
cis-1,3-Dichloropropene	U		0.00140	0.00463	1.08	06/04/2024 18:18	WG2298400
trans-1,3-Dichloropropene	U		0.00211	0.00927	1.08	06/04/2024 18:18	WG2298400
2,2-Dichloropropane	U		0.00256	0.00463	1.08	06/04/2024 18:18	WG2298400
Di-isopropyl ether	U		0.000760	0.00185	1.08	06/04/2024 18:18	WG2298400
Ethylbenzene	0.00264	J	0.00137	0.00463	1.08	06/04/2024 18:18	WG2298400
Hexachloro-1,3-butadiene	U		0.0111	0.0463	1.08	06/04/2024 18:18	WG2298400
Isopropylbenzene	U		0.000788	0.00463	1.08	06/04/2024 18:18	WG2298400
p-Isopropyltoluene	0.00630	J	0.00472	0.00927	1.08	06/04/2024 18:18	WG2298400
2-Butanone (MEK)	U		0.118	0.185	1.08	06/04/2024 18:18	WG2298400
Methylene Chloride	U		0.0123	0.0463	1.08	06/04/2024 18:18	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00422	0.0463	1.08	06/04/2024 18:18	WG2298400

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000649	0.00185	1.08	06/04/2024 18:18	WG2298400
Naphthalene	U		0.00904	0.0232	1.08	06/04/2024 18:18	WG2298400
n-Propylbenzene	0.00347	J	0.00177	0.00927	1.08	06/04/2024 18:18	WG2298400
Styrene	U		0.000424	0.0232	1.08	06/04/2024 18:18	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00175	0.00463	1.08	06/04/2024 18:18	WG2298400
1,1,2,2-Tetrachloroethane	U		0.00129	0.00463	1.08	06/04/2024 18:18	WG2298400
1,1,2-Trichlorotrifluoroethane	U		0.00140	0.00463	1.08	06/04/2024 18:18	WG2298400
Tetrachloroethene	U		0.00166	0.00463	1.08	06/04/2024 18:18	WG2298400
Toluene	0.00673	J	0.00240	0.00927	1.08	06/04/2024 18:18	WG2298400
1,2,3-Trichlorobenzene	U		0.0136	0.0232	1.08	06/04/2024 18:18	WG2298400
1,2,4-Trichlorobenzene	U		0.00815	0.0232	1.08	06/04/2024 18:18	WG2298400
1,1,1-Trichloroethane	U		0.00171	0.00463	1.08	06/04/2024 18:18	WG2298400
1,1,2-Trichloroethane	U		0.00111	0.00463	1.08	06/04/2024 18:18	WG2298400
Trichloroethene	U		0.00108	0.00185	1.08	06/04/2024 18:18	WG2298400
Trichlorofluoromethane	U		0.00153	0.00463	1.08	06/04/2024 18:18	WG2298400
1,2,3-Trichloropropane	U		0.00300	0.0232	1.08	06/04/2024 18:18	WG2298400
1,2,4-Trimethylbenzene	0.00946		0.00293	0.00927	1.08	06/04/2024 18:18	WG2298400
1,2,3-Trimethylbenzene	0.00352	J	0.00293	0.00927	1.08	06/04/2024 18:18	WG2298400
1,3,5-Trimethylbenzene	0.00728	J	0.00371	0.00927	1.08	06/04/2024 18:18	WG2298400
Vinyl chloride	U		0.00215	0.00463	1.08	06/04/2024 18:18	WG2298400
Xylenes, Total	0.0114	J	0.00163	0.0120	1.08	06/04/2024 18:18	WG2298400
(S) Toluene-d8	*99.5*			*75.0-131*		*06/04/2024 18:18*	WG2298400
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/04/2024 18:18*	WG2298400
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*06/04/2024 18:18*	WG2298400

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.84	J	1.01	5.48	1	05/30/2024 16:33	WG2295238
C22-C32 Hydrocarbons	14.5		1.82	5.48	1	05/30/2024 16:33	WG2295238
C32-C40 Hydrocarbons	11.1		1.82	5.48	1	05/30/2024 16:33	WG2295238
(S) o-Terphenyl	*31.5*			*18.0-148*		*05/30/2024 16:33*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00739	0.0457	1	05/30/2024 20:11	WG2295242
Acenaphthylene	U		0.00643	0.0457	1	05/30/2024 20:11	WG2295242
Anthracene	U		0.00813	0.0457	1	05/30/2024 20:11	WG2295242
Benzidine	U		0.0858	2.29	1	05/30/2024 20:11	WG2295242
Benzo(a)anthracene	U		0.00805	0.0457	1	05/30/2024 20:11	WG2295242
Benzo(b)fluoranthene	U		0.00852	0.0457	1	05/30/2024 20:11	WG2295242
Benzo(k)fluoranthene	U		0.00812	0.0457	1	05/30/2024 20:11	WG2295242
Benzo(g,h,i)perylene	U		0.00835	0.0457	1	05/30/2024 20:11	WG2295242
Benzo(a)pyrene	U		0.00849	0.0457	1	05/30/2024 20:11	WG2295242
Bis(2-chlorethoxy)methane	U		0.0137	0.457	1	05/30/2024 20:11	WG2295242
Bis(2-chloroethyl)ether	U		0.0151	0.457	1	05/30/2024 20:11	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0197	0.457	1	05/30/2024 20:11	WG2295242
4-Bromophenyl-phenylether	U		0.0160	0.457	1	05/30/2024 20:11	WG2295242
2-Chloronaphthalene	U		0.00802	0.0457	1	05/30/2024 20:11	WG2295242
4-Chlorophenyl-phenylether	U		0.0159	0.457	1	05/30/2024 20:11	WG2295242
Chrysene	U		0.00908	0.0457	1	05/30/2024 20:11	WG2295242
Dibenz(a,h)anthracene	U		0.0127	0.0457	1	05/30/2024 20:11	WG2295242
1,2-Dichlorobenzene	U		0.0135	0.457	1	05/30/2024 20:11	WG2295242
1,3-Dichlorobenzene	U		0.0138	0.457	1	05/30/2024 20:11	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0136	0.457	1	05/30/2024 20:11	WG2295242
3,3-Dichlorobenzidine	U		0.0169	0.457	1	05/30/2024 20:11	WG2295242
2,4-Dinitrotoluene	U		0.0131	0.457	1	05/30/2024 20:11	WG2295242
2,6-Dinitrotoluene	U		0.0149	0.457	1	05/30/2024 20:11	WG2295242
Fluoranthene	0.0149	J	0.00824	0.0457	1	05/30/2024 20:11	WG2295242
Fluorene	0.00987	J	0.00743	0.0457	1	05/30/2024 20:11	WG2295242
Hexachlorobenzene	U		0.0162	0.457	1	05/30/2024 20:11	WG2295242
Hexachloro-1,3-butadiene	U		0.0154	0.457	1	05/30/2024 20:11	WG2295242
Hexachlorocyclopentadiene	U		0.0240	0.457	1	05/30/2024 20:11	WG2295242
Hexachloroethane	U		0.0180	0.457	1	05/30/2024 20:11	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0129	0.0457	1	05/30/2024 20:11	WG2295242
Isophorone	U		0.0140	0.457	1	05/30/2024 20:11	WG2295242
Naphthalene	0.0236	J	0.0115	0.0457	1	05/30/2024 20:11	WG2295242
Nitrobenzene	U		0.0159	0.457	1	05/30/2024 20:11	WG2295242
n-Nitrosodimethylamine	U		0.0677	0.457	1	05/30/2024 20:11	WG2295242
n-Nitrosodiphenylamine	U		0.0346	0.457	1	05/30/2024 20:11	WG2295242
n-Nitrosodi-n-propylamine	U		0.0152	0.457	1	05/30/2024 20:11	WG2295242
Phenanthrene	0.0152	J	0.00906	0.0457	1	05/30/2024 20:11	WG2295242
Benzylbutyl phthalate	U		0.0143	0.457	1	05/30/2024 20:11	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0579	0.457	1	05/30/2024 20:11	WG2295242
Di-n-butyl phthalate	U		0.0156	0.457	1	05/30/2024 20:11	WG2295242
Diethyl phthalate	U		0.0151	0.457	1	05/30/2024 20:11	WG2295242
Dimethyl phthalate	U		0.0968	0.457	1	05/30/2024 20:11	WG2295242
Di-n-octyl phthalate	U		0.0309	0.457	1	05/30/2024 20:11	WG2295242
Pyrene	0.0145	J	0.00889	0.0457	1	05/30/2024 20:11	WG2295242
1,2,4-Trichlorobenzene	U		0.0143	0.457	1	05/30/2024 20:11	WG2295242
4-Chloro-3-methylphenol	U		0.0148	0.457	1	05/30/2024 20:11	WG2295242
2-Chlorophenol	U		0.0151	0.457	1	05/30/2024 20:11	WG2295242
2,4-Dichlorophenol	U		0.0133	0.457	1	05/30/2024 20:11	WG2295242
2,4-Dimethylphenol	U		0.0119	0.457	1	05/30/2024 20:11	WG2295242
4,6-Dinitro-2-methylphenol	U		0.104	0.457	1	05/30/2024 20:11	WG2295242
2,4-Dinitrophenol	U		0.107	0.457	1	05/30/2024 20:11	WG2295242
2-Nitrophenol	U		0.0163	0.457	1	05/30/2024 20:11	WG2295242
4-Nitrophenol	U		0.0143	0.457	1	05/30/2024 20:11	WG2295242
Pentachlorophenol	U		0.0123	0.457	1	05/30/2024 20:11	WG2295242
Phenol	U		0.0184	0.457	1	05/30/2024 20:11	WG2295242
2,4,6-Trichlorophenol	U		0.0147	0.457	1	05/30/2024 20:11	WG2295242
(S) 2-Fluorophenol	*52.8*			*12.0-120*		*05/30/2024 20:11*	WG2295242
(S) Phenol-d5	*38.8*			*10.0-120*		*05/30/2024 20:11*	WG2295242
(S) Nitrobenzene-d5	*46.0*			*10.0-122*		*05/30/2024 20:11*	WG2295242
(S) 2-Fluorobiphenyl	*51.8*			*15.0-120*		*05/30/2024 20:11*	WG2295242
(S) 2,4,6-Tribromophenol	*46.3*			*10.0-127*		*05/30/2024 20:11*	WG2295242
(S) p-Terphenyl-d14	*55.8*			*10.0-120*		*05/30/2024 20:11*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	06/04/2024 14:49	WG2298380

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0538	0.0736	1	06/04/2024 18:37	WG2298400
Acrylonitrile	U		0.00532	0.0184	1	06/04/2024 18:37	WG2298400
Benzene	U		0.000688	0.00147	1	06/04/2024 18:37	WG2298400
Bromobenzene	U		0.00133	0.0184	1	06/04/2024 18:37	WG2298400
Bromodichloromethane	U		0.00107	0.00368	1	06/04/2024 18:37	WG2298400
Bromoform	U		0.00172	0.0368	1	06/04/2024 18:37	WG2298400
Bromomethane	U		0.00290	0.0184	1	06/04/2024 18:37	WG2298400
n-Butylbenzene	U		0.00773	0.0184	1	06/04/2024 18:37	WG2298400
sec-Butylbenzene	U		0.00424	0.0184	1	06/04/2024 18:37	WG2298400
tert-Butylbenzene	U		0.00287	0.00736	1	06/04/2024 18:37	WG2298400
Carbon tetrachloride	U		0.00132	0.00736	1	06/04/2024 18:37	WG2298400
Chlorobenzene	U		0.000309	0.00368	1	06/04/2024 18:37	WG2298400
Chlorodibromomethane	U		0.000901	0.00368	1	06/04/2024 18:37	WG2298400
Chloroethane	U		0.00250	0.00736	1	06/04/2024 18:37	WG2298400
Chloroform	U		0.00152	0.00368	1	06/04/2024 18:37	WG2298400
Chloromethane	U		0.00641	0.0184	1	06/04/2024 18:37	WG2298400
2-Chlorotoluene	U		0.00127	0.00368	1	06/04/2024 18:37	WG2298400
4-Chlorotoluene	U		0.000663	0.00736	1	06/04/2024 18:37	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00574	0.0368	1	06/04/2024 18:37	WG2298400
1,2-Dibromoethane	U		0.000954	0.00368	1	06/04/2024 18:37	WG2298400
Dibromomethane	U		0.00110	0.00736	1	06/04/2024 18:37	WG2298400
1,2-Dichlorobenzene	U		0.000626	0.00736	1	06/04/2024 18:37	WG2298400
1,3-Dichlorobenzene	U		0.000884	0.00736	1	06/04/2024 18:37	WG2298400
1,4-Dichlorobenzene	U		0.00103	0.00736	1	06/04/2024 18:37	WG2298400
Dichlorodifluoromethane	U		0.00237	0.00736	1	06/04/2024 18:37	WG2298400
1,1-Dichloroethane	U		0.000723	0.00368	1	06/04/2024 18:37	WG2298400
1,2-Dichloroethane	U		0.000956	0.00368	1	06/04/2024 18:37	WG2298400
1,1-Dichloroethene	U		0.000892	0.00368	1	06/04/2024 18:37	WG2298400
cis-1,2-Dichloroethene	U		0.00108	0.00368	1	06/04/2024 18:37	WG2298400
trans-1,2-Dichloroethene	U		0.00153	0.00736	1	06/04/2024 18:37	WG2298400
1,2-Dichloropropane	U		0.00209	0.00736	1	06/04/2024 18:37	WG2298400
1,1-Dichloropropene	U		0.00119	0.00368	1	06/04/2024 18:37	WG2298400
1,3-Dichloropropane	U		0.000738	0.00736	1	06/04/2024 18:37	WG2298400
cis-1,3-Dichloropropene	U		0.00111	0.00368	1	06/04/2024 18:37	WG2298400
trans-1,3-Dichloropropene	U		0.00168	0.00736	1	06/04/2024 18:37	WG2298400
2,2-Dichloropropane	U		0.00203	0.00368	1	06/04/2024 18:37	WG2298400
Di-isopropyl ether	U		0.000604	0.00147	1	06/04/2024 18:37	WG2298400
Ethylbenzene	U		0.00109	0.00368	1	06/04/2024 18:37	WG2298400
Hexachloro-1,3-butadiene	U		0.00884	0.0368	1	06/04/2024 18:37	WG2298400
Isopropylbenzene	U		0.000626	0.00368	1	06/04/2024 18:37	WG2298400
p-Isopropyltoluene	U		0.00376	0.00736	1	06/04/2024 18:37	WG2298400
2-Butanone (MEK)	U		0.0935	0.147	1	06/04/2024 18:37	WG2298400
Methylene Chloride	U		0.00978	0.0368	1	06/04/2024 18:37	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00336	0.0368	1	06/04/2024 18:37	WG2298400
Methyl tert-butyl ether	U		0.000515	0.00147	1	06/04/2024 18:37	WG2298400
Naphthalene	U		0.00719	0.0184	1	06/04/2024 18:37	WG2298400
n-Propylbenzene	U		0.00140	0.00736	1	06/04/2024 18:37	WG2298400
Styrene	U		0.000337	0.0184	1	06/04/2024 18:37	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00140	0.00368	1	06/04/2024 18:37	WG2298400
1,1,2,2-Tetrachloroethane	U		0.00102	0.00368	1	06/04/2024 18:37	WG2298400

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00368	1	06/04/2024 18:37	WG2298400
Tetrachloroethene	U		0.00132	0.00368	1	06/04/2024 18:37	WG2298400
Toluene	U		0.00191	0.00736	1	06/04/2024 18:37	WG2298400
1,2,3-Trichlorobenzene	U		0.0108	0.0184	1	06/04/2024 18:37	WG2298400
1,2,4-Trichlorobenzene	U		0.00648	0.0184	1	06/04/2024 18:37	WG2298400
1,1,1-Trichloroethane	U		0.00136	0.00368	1	06/04/2024 18:37	WG2298400
1,1,2-Trichloroethane	U		0.000879	0.00368	1	06/04/2024 18:37	WG2298400
Trichloroethene	U		0.000860	0.00147	1	06/04/2024 18:37	WG2298400
Trichlorofluoromethane	U		0.00122	0.00368	1	06/04/2024 18:37	WG2298400
1,2,3-Trichloropropane	U		0.00239	0.0184	1	06/04/2024 18:37	WG2298400
1,2,4-Trimethylbenzene	U		0.00233	0.00736	1	06/04/2024 18:37	WG2298400
1,2,3-Trimethylbenzene	U		0.00233	0.00736	1	06/04/2024 18:37	WG2298400
1,3,5-Trimethylbenzene	U		0.00295	0.00736	1	06/04/2024 18:37	WG2298400
Vinyl chloride	U		0.00171	0.00368	1	06/04/2024 18:37	WG2298400
Xylenes, Total	0.00440	J	0.00130	0.00957	1	06/04/2024 18:37	WG2298400
(S) Toluene-d8	*101*			*75.0-131*		*06/04/2024 18:37*	WG2298400
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/04/2024 18:37*	WG2298400
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*06/04/2024 18:37*	WG2298400

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	05/30/2024 07:13	WG2294978

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0564	0.0772	1	06/04/2024 18:56	WG2298400
Acrylonitrile	U		0.00557	0.0193	1	06/04/2024 18:56	WG2298400
Benzene	U		0.000721	0.00154	1	06/04/2024 18:56	WG2298400
Bromobenzene	U		0.00139	0.0193	1	06/04/2024 18:56	WG2298400
Bromodichloromethane	U		0.00112	0.00386	1	06/04/2024 18:56	WG2298400
Bromoform	U		0.00181	0.0386	1	06/04/2024 18:56	WG2298400
Bromomethane	U		0.00304	0.0193	1	06/04/2024 18:56	WG2298400
n-Butylbenzene	U		0.00811	0.0193	1	06/04/2024 18:56	WG2298400
sec-Butylbenzene	U		0.00445	0.0193	1	06/04/2024 18:56	WG2298400
tert-Butylbenzene	U		0.00301	0.00772	1	06/04/2024 18:56	WG2298400
Carbon tetrachloride	U		0.00139	0.00772	1	06/04/2024 18:56	WG2298400
Chlorobenzene	U		0.000324	0.00386	1	06/04/2024 18:56	WG2298400
Chlorodibromomethane	U		0.000945	0.00386	1	06/04/2024 18:56	WG2298400
Chloroethane	U		0.00262	0.00772	1	06/04/2024 18:56	WG2298400
Chloroform	U		0.00159	0.00386	1	06/04/2024 18:56	WG2298400
Chloromethane	U		0.00672	0.0193	1	06/04/2024 18:56	WG2298400
2-Chlorotoluene	U		0.00134	0.00386	1	06/04/2024 18:56	WG2298400
4-Chlorotoluene	U		0.000695	0.00772	1	06/04/2024 18:56	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00602	0.0386	1	06/04/2024 18:56	WG2298400
1,2-Dibromoethane	U		0.00100	0.00386	1	06/04/2024 18:56	WG2298400
Dibromomethane	U		0.00116	0.00772	1	06/04/2024 18:56	WG2298400
1,2-Dichlorobenzene	U		0.000656	0.00772	1	06/04/2024 18:56	WG2298400
1,3-Dichlorobenzene	U		0.000926	0.00772	1	06/04/2024 18:56	WG2298400
1,4-Dichlorobenzene	U		0.00108	0.00772	1	06/04/2024 18:56	WG2298400
Dichlorodifluoromethane	U		0.00249	0.00772	1	06/04/2024 18:56	WG2298400
1,1-Dichloroethane	U		0.000758	0.00386	1	06/04/2024 18:56	WG2298400
1,2-Dichloroethane	U		0.00100	0.00386	1	06/04/2024 18:56	WG2298400
1,1-Dichloroethene	U		0.000936	0.00386	1	06/04/2024 18:56	WG2298400
cis-1,2-Dichloroethene	U		0.00113	0.00386	1	06/04/2024 18:56	WG2298400
trans-1,2-Dichloroethene	U		0.00161	0.00772	1	06/04/2024 18:56	WG2298400
1,2-Dichloropropane	U		0.00219	0.00772	1	06/04/2024 18:56	WG2298400
1,1-Dichloropropene	U		0.00125	0.00386	1	06/04/2024 18:56	WG2298400
1,3-Dichloropropane	U		0.000774	0.00772	1	06/04/2024 18:56	WG2298400
cis-1,3-Dichloropropene	U		0.00117	0.00386	1	06/04/2024 18:56	WG2298400
trans-1,3-Dichloropropene	U		0.00176	0.00772	1	06/04/2024 18:56	WG2298400
2,2-Dichloropropane	U		0.00213	0.00386	1	06/04/2024 18:56	WG2298400
Di-isopropyl ether	U		0.000633	0.00154	1	06/04/2024 18:56	WG2298400
Ethylbenzene	U		0.00114	0.00386	1	06/04/2024 18:56	WG2298400
Hexachloro-1,3-butadiene	U		0.00926	0.0386	1	06/04/2024 18:56	WG2298400
Isopropylbenzene	U		0.000656	0.00386	1	06/04/2024 18:56	WG2298400
p-Isopropyltoluene	U		0.00394	0.00772	1	06/04/2024 18:56	WG2298400
2-Butanone (MEK)	U		0.0980	0.154	1	06/04/2024 18:56	WG2298400
Methylene Chloride	U		0.0103	0.0386	1	06/04/2024 18:56	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00352	0.0386	1	06/04/2024 18:56	WG2298400
Methyl tert-butyl ether	U		0.000540	0.00154	1	06/04/2024 18:56	WG2298400
Naphthalene	U		0.00753	0.0193	1	06/04/2024 18:56	WG2298400
n-Propylbenzene	U		0.00147	0.00772	1	06/04/2024 18:56	WG2298400
Styrene	U		0.000354	0.0193	1	06/04/2024 18:56	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00146	0.00386	1	06/04/2024 18:56	WG2298400
1,1,2,2-Tetrachloroethane	U		0.00107	0.00386	1	06/04/2024 18:56	WG2298400

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00386	1	06/04/2024 18:56	WG2298400
Tetrachloroethene	U		0.00138	0.00386	1	06/04/2024 18:56	WG2298400
Toluene	U		0.00201	0.00772	1	06/04/2024 18:56	WG2298400
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1	06/04/2024 18:56	WG2298400
1,2,4-Trichlorobenzene	U		0.00679	0.0193	1	06/04/2024 18:56	WG2298400
1,1,1-Trichloroethane	U		0.00143	0.00386	1	06/04/2024 18:56	WG2298400
1,1,2-Trichloroethane	U		0.000922	0.00386	1	06/04/2024 18:56	WG2298400
Trichloroethene	U		0.000902	0.00154	1	06/04/2024 18:56	WG2298400
Trichlorofluoromethane	U		0.00128	0.00386	1	06/04/2024 18:56	WG2298400
1,2,3-Trichloropropane	U		0.00250	0.0193	1	06/04/2024 18:56	WG2298400
1,2,4-Trimethylbenzene	U		0.00244	0.00772	1	06/04/2024 18:56	WG2298400
1,2,3-Trimethylbenzene	U		0.00244	0.00772	1	06/04/2024 18:56	WG2298400
1,3,5-Trimethylbenzene	U		0.00309	0.00772	1	06/04/2024 18:56	WG2298400
Vinyl chloride	U		0.00179	0.00386	1	06/04/2024 18:56	WG2298400
Xylenes, Total	0.00318	J	0.00136	0.0100	1	06/04/2024 18:56	WG2298400
(S) Toluene-d8	*99.4*			*75.0-131*		*06/04/2024 18:56*	WG2298400
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/04/2024 18:56*	WG2298400
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*06/04/2024 18:56*	WG2298400

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00656	0.0406	1	05/30/2024 17:26	WG2295242
Acenaphthylene	U		0.00571	0.0406	1	05/30/2024 17:26	WG2295242
Anthracene	U		0.00722	0.0406	1	05/30/2024 17:26	WG2295242
Benzidine	U		0.0762	2.03	1	05/30/2024 17:26	WG2295242
Benzo(a)anthracene	U		0.00715	0.0406	1	05/30/2024 17:26	WG2295242
Benzo(b)fluoranthene	U		0.00756	0.0406	1	05/30/2024 17:26	WG2295242
Benzo(k)fluoranthene	U		0.00721	0.0406	1	05/30/2024 17:26	WG2295242
Benzo(g,h,i)perylene	U		0.00742	0.0406	1	05/30/2024 17:26	WG2295242
Benzo(a)pyrene	U		0.00754	0.0406	1	05/30/2024 17:26	WG2295242
Bis(2-chlorethoxy)methane	U		0.0122	0.406	1	05/30/2024 17:26	WG2295242
Bis(2-chloroethyl)ether	U		0.0134	0.406	1	05/30/2024 17:26	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0175	0.406	1	05/30/2024 17:26	WG2295242
4-Bromophenyl-phenylether	U		0.0142	0.406	1	05/30/2024 17:26	WG2295242
2-Chloronaphthalene	U		0.00712	0.0406	1	05/30/2024 17:26	WG2295242
4-Chlorophenyl-phenylether	U		0.0141	0.406	1	05/30/2024 17:26	WG2295242
Chrysene	U		0.00806	0.0406	1	05/30/2024 17:26	WG2295242
Dibenz(a,h)anthracene	U		0.0112	0.0406	1	05/30/2024 17:26	WG2295242
1,2-Dichlorobenzene	U		0.0120	0.406	1	05/30/2024 17:26	WG2295242
1,3-Dichlorobenzene	U		0.0123	0.406	1	05/30/2024 17:26	WG2295242
1,4-Dichlorobenzene	U		0.0121	0.406	1	05/30/2024 17:26	WG2295242
3,3-Dichlorobenzidine	U		0.0150	0.406	1	05/30/2024 17:26	WG2295242
2,4-Dinitrotoluene	U		0.0116	0.406	1	05/30/2024 17:26	WG2295242
2,6-Dinitrotoluene	U		0.0133	0.406	1	05/30/2024 17:26	WG2295242
Fluoranthene	U		0.00732	0.0406	1	05/30/2024 17:26	WG2295242
Fluorene	U		0.00660	0.0406	1	05/30/2024 17:26	WG2295242
Hexachlorobenzene	U		0.0144	0.406	1	05/30/2024 17:26	WG2295242
Hexachloro-1,3-butadiene	U		0.0136	0.406	1	05/30/2024 17:26	WG2295242
Hexachlorocyclopentadiene	U		0.0213	0.406	1	05/30/2024 17:26	WG2295242
Hexachloroethane	U		0.0160	0.406	1	05/30/2024 17:26	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0115	0.0406	1	05/30/2024 17:26	WG2295242
Isophorone	U		0.0124	0.406	1	05/30/2024 17:26	WG2295242
Naphthalene	U		0.0102	0.0406	1	05/30/2024 17:26	WG2295242
Nitrobenzene	U		0.0141	0.406	1	05/30/2024 17:26	WG2295242
n-Nitrosodimethylamine	U		0.0602	0.406	1	05/30/2024 17:26	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.0307	0.406	1	05/30/2024 17:26	WG2295242
n-Nitrosodi-n-propylamine	U		0.0135	0.406	1	05/30/2024 17:26	WG2295242
Phenanthrene	U		0.00805	0.0406	1	05/30/2024 17:26	WG2295242
Benzylbutyl phthalate	U		0.0127	0.406	1	05/30/2024 17:26	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0514	0.406	1	05/30/2024 17:26	WG2295242
Di-n-butyl phthalate	U		0.0139	0.406	1	05/30/2024 17:26	WG2295242
Diethyl phthalate	U		0.0134	0.406	1	05/30/2024 17:26	WG2295242
Dimethyl phthalate	U		0.0860	0.406	1	05/30/2024 17:26	WG2295242
Di-n-octyl phthalate	U		0.0274	0.406	1	05/30/2024 17:26	WG2295242
Pyrene	U		0.00789	0.0406	1	05/30/2024 17:26	WG2295242
1,2,4-Trichlorobenzene	U		0.0127	0.406	1	05/30/2024 17:26	WG2295242
4-Chloro-3-methylphenol	U		0.0132	0.406	1	05/30/2024 17:26	WG2295242
2-Chlorophenol	U		0.0134	0.406	1	05/30/2024 17:26	WG2295242
2,4-Dichlorophenol	U		0.0118	0.406	1	05/30/2024 17:26	WG2295242
2,4-Dimethylphenol	U		0.0106	0.406	1	05/30/2024 17:26	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0920	0.406	1	05/30/2024 17:26	WG2295242
2,4-Dinitrophenol	U		0.0949	0.406	1	05/30/2024 17:26	WG2295242
2-Nitrophenol	U		0.0145	0.406	1	05/30/2024 17:26	WG2295242
4-Nitrophenol	U		0.0127	0.406	1	05/30/2024 17:26	WG2295242
Pentachlorophenol	U		0.0109	0.406	1	05/30/2024 17:26	WG2295242
Phenol	U		0.0163	0.406	1	05/30/2024 17:26	WG2295242
2,4,6-Trichlorophenol	U		0.0130	0.406	1	05/30/2024 17:26	WG2295242
(S) 2-Fluorophenol	*61.1*			*12.0-120*		*05/30/2024 17:26*	WG2295242
(S) Phenol-d5	*53.8*			*10.0-120*		*05/30/2024 17:26*	WG2295242
(S) Nitrobenzene-d5	*45.7*			*10.0-122*		*05/30/2024 17:26*	WG2295242
(S) 2-Fluorobiphenyl	*51.1*			*15.0-120*		*05/30/2024 17:26*	WG2295242
(S) 2,4,6-Tribromophenol	*42.4*			*10.0-127*		*05/30/2024 17:26*	WG2295242
(S) p-Terphenyl-d14	*61.6*			*10.0-120*		*05/30/2024 17:26*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.108		0.0194	0.0430	1	05/30/2024 15:05	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.88		0.585	2.15	1	05/31/2024 20:21	WG2295058
Arsenic	6.29		0.557	2.15	1	05/31/2024 20:21	WG2295058
Barium	50.9		0.0917	0.538	1	05/31/2024 20:21	WG2295058
Beryllium	0.181	J	0.0339	0.215	1	05/31/2024 20:21	WG2295058
Cadmium	6.02		0.0507	0.538	1	05/31/2024 20:21	WG2295058
Chromium	19.9		0.143	1.08	1	05/31/2024 20:21	WG2295058
Cobalt	5.67		0.0873	1.08	1	05/31/2024 20:21	WG2295058
Copper	13600		2.15	10.8	5	06/01/2024 13:17	WG2295058
Lead	826		0.224	0.538	1	05/31/2024 20:21	WG2295058
Molybdenum	4.36		0.117	0.538	1	05/31/2024 20:21	WG2295058
Nickel	98.1		0.142	2.15	1	05/31/2024 20:21	WG2295058
Selenium	U		0.822	2.15	1	05/31/2024 20:21	WG2295058
Silver	U		0.137	1.08	1	05/31/2024 20:21	WG2295058
Thallium	U		2.12	10.8	5	06/01/2024 13:17	WG2295058
Vanadium	17.0		0.544	2.15	1	05/31/2024 20:21	WG2295058
Zinc	9370		4.48	26.9	5	06/01/2024 13:17	WG2295058

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0366	1	05/30/2024 15:29	WG2295241
PCB 1221	U		0.0127	0.0366	1	05/30/2024 15:29	WG2295241
PCB 1232	U		0.0127	0.0366	1	05/30/2024 15:29	WG2295241
PCB 1242	U		0.0127	0.0366	1	05/30/2024 15:29	WG2295241
PCB 1248	U		0.00794	0.0183	1	05/30/2024 15:29	WG2295241
PCB 1254	U		0.00794	0.0183	1	05/30/2024 15:29	WG2295241
PCB 1260	U		0.00794	0.0183	1	05/30/2024 15:29	WG2295241
(S) Decachlorobiphenyl	*64.8*			*10.0-135*		*05/30/2024 15:29*	WG2295241
(S) Tetrachloro-m-xylene	*70.0*			*10.0-139*		*05/30/2024 15:29*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00580	0.0358	1	05/30/2024 19:30	WG2295242
Acenaphthylene	U		0.00505	0.0358	1	05/30/2024 19:30	WG2295242
Anthracene	U		0.00638	0.0358	1	05/30/2024 19:30	WG2295242
Benzidine	U		0.0674	1.80	1	05/30/2024 19:30	WG2295242
Benzo(a)anthracene	0.0155	J	0.00632	0.0358	1	05/30/2024 19:30	WG2295242
Benzo(b)fluoranthene	0.0252	J	0.00668	0.0358	1	05/30/2024 19:30	WG2295242
Benzo(k)fluoranthene	0.00842	J	0.00637	0.0358	1	05/30/2024 19:30	WG2295242
Benzo(g,h,i)perylene	0.0167	J	0.00655	0.0358	1	05/30/2024 19:30	WG2295242
Benzo(a)pyrene	0.0195	J	0.00666	0.0358	1	05/30/2024 19:30	WG2295242
Bis(2-chlorethoxy)methane	U		0.0108	0.358	1	05/30/2024 19:30	WG2295242
Bis(2-chloroethyl)ether	U		0.0118	0.358	1	05/30/2024 19:30	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0155	0.358	1	05/30/2024 19:30	WG2295242
4-Bromophenyl-phenylether	U		0.0126	0.358	1	05/30/2024 19:30	WG2295242
2-Chloronaphthalene	U		0.00629	0.0358	1	05/30/2024 19:30	WG2295242
4-Chlorophenyl-phenylether	U		0.0125	0.358	1	05/30/2024 19:30	WG2295242
Chrysene	0.0240	J	0.00712	0.0358	1	05/30/2024 19:30	WG2295242
Dibenz(a,h)anthracene	U		0.00993	0.0358	1	05/30/2024 19:30	WG2295242
1,2-Dichlorobenzene	U		0.0106	0.358	1	05/30/2024 19:30	WG2295242
1,3-Dichlorobenzene	U		0.0109	0.358	1	05/30/2024 19:30	WG2295242
1,4-Dichlorobenzene	U		0.0107	0.358	1	05/30/2024 19:30	WG2295242
3,3-Dichlorobenzidine	U		0.0132	0.358	1	05/30/2024 19:30	WG2295242
2,4-Dinitrotoluene	U		0.0103	0.358	1	05/30/2024 19:30	WG2295242
2,6-Dinitrotoluene	U		0.0117	0.358	1	05/30/2024 19:30	WG2295242
Fluoranthene	0.0243	J	0.00647	0.0358	1	05/30/2024 19:30	WG2295242
Fluorene	U		0.00583	0.0358	1	05/30/2024 19:30	WG2295242
Hexachlorobenzene	U		0.0127	0.358	1	05/30/2024 19:30	WG2295242
Hexachloro-1,3-butadiene	U		0.0121	0.358	1	05/30/2024 19:30	WG2295242
Hexachlorocyclopentadiene	U		0.0188	0.358	1	05/30/2024 19:30	WG2295242
Hexachloroethane	U		0.0141	0.358	1	05/30/2024 19:30	WG2295242
Indeno(1,2,3-cd)pyrene	0.0134	J	0.0101	0.0358	1	05/30/2024 19:30	WG2295242
Isophorone	U		0.0110	0.358	1	05/30/2024 19:30	WG2295242
Naphthalene	0.0123	J	0.00899	0.0358	1	05/30/2024 19:30	WG2295242
Nitrobenzene	U		0.0125	0.358	1	05/30/2024 19:30	WG2295242
n-Nitrosodimethylamine	U		0.0532	0.358	1	05/30/2024 19:30	WG2295242
n-Nitrosodiphenylamine	U		0.0271	0.358	1	05/30/2024 19:30	WG2295242
n-Nitrosodi-n-propylamine	U		0.0119	0.358	1	05/30/2024 19:30	WG2295242
Phenanthrene	0.0240	J	0.00711	0.0358	1	05/30/2024 19:30	WG2295242
Benzylbutyl phthalate	U		0.0112	0.358	1	05/30/2024 19:30	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0454	0.358	1	05/30/2024 19:30	WG2295242
Di-n-butyl phthalate	U		0.0123	0.358	1	05/30/2024 19:30	WG2295242
Diethyl phthalate	U		0.0118	0.358	1	05/30/2024 19:30	WG2295242
Dimethyl phthalate	U		0.0760	0.358	1	05/30/2024 19:30	WG2295242
Di-n-octyl phthalate	U		0.0242	0.358	1	05/30/2024 19:30	WG2295242
Pyrene	0.0268	J	0.00697	0.0358	1	05/30/2024 19:30	WG2295242
1,2,4-Trichlorobenzene	U		0.0112	0.358	1	05/30/2024 19:30	WG2295242
4-Chloro-3-methylphenol	U		0.0116	0.358	1	05/30/2024 19:30	WG2295242
2-Chlorophenol	U		0.0118	0.358	1	05/30/2024 19:30	WG2295242
2,4-Dichlorophenol	U		0.0104	0.358	1	05/30/2024 19:30	WG2295242
2,4-Dimethylphenol	U		0.00936	0.358	1	05/30/2024 19:30	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0812	0.358	1	05/30/2024 19:30	WG2295242
2,4-Dinitrophenol	U		0.0838	0.358	1	05/30/2024 19:30	WG2295242
2-Nitrophenol	U		0.0128	0.358	1	05/30/2024 19:30	WG2295242
4-Nitrophenol	0.0146	J	0.0112	0.358	1	05/30/2024 19:30	WG2295242
Pentachlorophenol	U		0.00964	0.358	1	05/30/2024 19:30	WG2295242
Phenol	0.0169	J	0.0144	0.358	1	05/30/2024 19:30	WG2295242
2,4,6-Trichlorophenol	U		0.0115	0.358	1	05/30/2024 19:30	WG2295242
(S) 2-Fluorophenol	*50.2*			*12.0-120*		*05/30/2024 19:30*	WG2295242
(S) Phenol-d5	*46.0*			*10.0-120*		*05/30/2024 19:30*	WG2295242
(S) Nitrobenzene-d5	*39.6*			*10.0-122*		*05/30/2024 19:30*	WG2295242
(S) 2-Fluorobiphenyl	*44.2*			*15.0-120*		*05/30/2024 19:30*	WG2295242
(S) 2,4,6-Tribromophenol	*38.7*			*10.0-127*		*05/30/2024 19:30*	WG2295242
(S) p-Terphenyl-d14	*50.9*			*10.0-120*		*05/30/2024 19:30*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.182		0.0196	0.0436	1	05/30/2024 15:08	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.24		0.592	2.18	1	05/31/2024 20:22	WG2295058
Arsenic	6.63		0.564	2.18	1	05/31/2024 20:22	WG2295058
Barium	77.9		0.0928	0.544	1	05/31/2024 20:22	WG2295058
Beryllium	0.144	J	0.0343	0.218	1	05/31/2024 20:22	WG2295058
Cadmium	4.51		0.0513	0.544	1	05/31/2024 20:22	WG2295058
Chromium	26.2		0.145	1.09	1	05/31/2024 20:22	WG2295058
Cobalt	6.12		0.0883	1.09	1	05/31/2024 20:22	WG2295058
Copper	15300		2.18	10.9	5	06/01/2024 13:20	WG2295058
Lead	1010		0.226	0.544	1	05/31/2024 20:22	WG2295058
Molybdenum	5.34		0.119	0.544	1	05/31/2024 20:22	WG2295058
Nickel	124		0.144	2.18	1	05/31/2024 20:22	WG2295058
Selenium	U		0.832	2.18	1	05/31/2024 20:22	WG2295058
Silver	U		0.138	1.09	1	05/31/2024 20:22	WG2295058
Thallium	U		2.15	10.9	5	06/01/2024 13:20	WG2295058
Vanadium	22.2		0.551	2.18	1	05/31/2024 20:22	WG2295058
Zinc	4250		4.53	27.2	5	06/01/2024 13:20	WG2295058

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0430	0.0589	1	05/29/2024 23:16	WG2295165
Acrylonitrile	U		0.00425	0.0147	1	05/29/2024 23:16	WG2295165
Benzene	U		0.000550	0.00118	1	05/29/2024 23:16	WG2295165
Bromobenzene	U		0.00106	0.0147	1	05/29/2024 23:16	WG2295165
Bromodichloromethane	U		0.000855	0.00295	1	05/29/2024 23:16	WG2295165
Bromoform	U		0.00138	0.0295	1	05/29/2024 23:16	WG2295165
Bromomethane	U		0.00232	0.0147	1	05/29/2024 23:16	WG2295165
n-Butylbenzene	U		0.00619	0.0147	1	05/29/2024 23:16	WG2295165
sec-Butylbenzene	U		0.00339	0.0147	1	05/29/2024 23:16	WG2295165
tert-Butylbenzene	U		0.00230	0.00589	1	05/29/2024 23:16	WG2295165
Carbon tetrachloride	U		0.00106	0.00589	1	05/29/2024 23:16	WG2295165
Chlorobenzene	U		0.000248	0.00295	1	05/29/2024 23:16	WG2295165
Chlorodibromomethane	U		0.000721	0.00295	1	05/29/2024 23:16	WG2295165
Chloroethane	U		0.00200	0.00589	1	05/29/2024 23:16	WG2295165
Chloroform	U		0.00121	0.00295	1	05/29/2024 23:16	WG2295165
Chloromethane	U		0.00513	0.0147	1	05/29/2024 23:16	WG2295165
2-Chlorotoluene	U		0.00102	0.00295	1	05/29/2024 23:16	WG2295165
4-Chlorotoluene	U		0.000530	0.00589	1	05/29/2024 23:16	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00460	0.0295	1	05/29/2024 23:16	WG2295165
1,2-Dibromoethane	U		0.000764	0.00295	1	05/29/2024 23:16	WG2295165
Dibromomethane	U		0.000884	0.00589	1	05/29/2024 23:16	WG2295165
1,2-Dichlorobenzene	U		0.000501	0.00589	1	05/29/2024 23:16	WG2295165
1,3-Dichlorobenzene	U		0.000707	0.00589	1	05/29/2024 23:16	WG2295165
1,4-Dichlorobenzene	U		0.000825	0.00589	1	05/29/2024 23:16	WG2295165

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00190	0.00589	1	05/29/2024 23:16	WG2295165
1,1-Dichloroethane	U		0.000579	0.00295	1	05/29/2024 23:16	WG2295165
1,2-Dichloroethane	U		0.000765	0.00295	1	05/29/2024 23:16	WG2295165
1,1-Dichloroethene	U		0.000714	0.00295	1	05/29/2024 23:16	WG2295165
cis-1,2-Dichloroethene	U		0.000865	0.00295	1	05/29/2024 23:16	WG2295165
trans-1,2-Dichloroethene	U		0.00123	0.00589	1	05/29/2024 23:16	WG2295165
1,2-Dichloropropane	U		0.00167	0.00589	1	05/29/2024 23:16	WG2295165
1,1-Dichloropropene	U		0.000954	0.00295	1	05/29/2024 23:16	WG2295165
1,3-Dichloropropane	U		0.000591	0.00589	1	05/29/2024 23:16	WG2295165
cis-1,3-Dichloropropene	U		0.000892	0.00295	1	05/29/2024 23:16	WG2295165
trans-1,3-Dichloropropene	U		0.00134	0.00589	1	05/29/2024 23:16	WG2295165
2,2-Dichloropropane	U		0.00163	0.00295	1	05/29/2024 23:16	WG2295165
Di-isopropyl ether	U		0.000483	0.00118	1	05/29/2024 23:16	WG2295165
Ethylbenzene	U		0.000869	0.00295	1	05/29/2024 23:16	WG2295165
Hexachloro-1,3-butadiene	U		0.00707	0.0295	1	05/29/2024 23:16	WG2295165
Isopropylbenzene	U		0.000501	0.00295	1	05/29/2024 23:16	WG2295165
p-Isopropyltoluene	U		0.00301	0.00589	1	05/29/2024 23:16	WG2295165
2-Butanone (MEK)	U		0.0748	0.118	1	05/29/2024 23:16	WG2295165
Methylene Chloride	U		0.00783	0.0295	1	05/29/2024 23:16	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0295	1	05/29/2024 23:16	WG2295165
Methyl tert-butyl ether	U		0.000413	0.00118	1	05/29/2024 23:16	WG2295165
Naphthalene	0.0100	J	0.00575	0.0147	1	05/29/2024 23:16	WG2295165
n-Propylbenzene	U		0.00112	0.00589	1	05/29/2024 23:16	WG2295165
Styrene	U		0.000270	0.0147	1	05/29/2024 23:16	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00112	0.00295	1	05/29/2024 23:16	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000819	0.00295	1	05/29/2024 23:16	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000889	0.00295	1	05/29/2024 23:16	WG2295165
Tetrachloroethene	U		0.00106	0.00295	1	05/29/2024 23:16	WG2295165
Toluene	0.00242	J	0.00153	0.00589	1	05/29/2024 23:16	WG2295165
1,2,3-Trichlorobenzene	U		0.00864	0.0147	1	05/29/2024 23:16	WG2295165
1,2,4-Trichlorobenzene	U		0.00519	0.0147	1	05/29/2024 23:16	WG2295165
1,1,1-Trichloroethane	U		0.00109	0.00295	1	05/29/2024 23:16	WG2295165
1,1,2-Trichloroethane	U		0.000704	0.00295	1	05/29/2024 23:16	WG2295165
Trichloroethene	U		0.000688	0.00118	1	05/29/2024 23:16	WG2295165
Trichlorofluoromethane	U		0.000975	0.00295	1	05/29/2024 23:16	WG2295165
1,2,3-Trichloropropane	U		0.00191	0.0147	1	05/29/2024 23:16	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00186	0.00589	1	05/29/2024 23:16	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00186	0.00589	1	05/29/2024 23:16	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00236	0.00589	1	05/29/2024 23:16	WG2295165
Vinyl chloride	U		0.00137	0.00295	1	05/29/2024 23:16	WG2295165
Xylenes, Total	U		0.00104	0.00766	1	05/29/2024 23:16	WG2295165
(S) Toluene-d8	*111*			*75.0-131*		*05/29/2024 23:16*	WG2295165
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*05/29/2024 23:16*	WG2295165
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*05/29/2024 23:16*	WG2295165

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0128	0.0370	1	05/30/2024 15:38	WG2295241
PCB 1221	U		0.0128	0.0370	1	05/30/2024 15:38	WG2295241
PCB 1232	U		0.0128	0.0370	1	05/30/2024 15:38	WG2295241
PCB 1242	U		0.0128	0.0370	1	05/30/2024 15:38	WG2295241
PCB 1248	U		0.00804	0.0185	1	05/30/2024 15:38	WG2295241
PCB 1254	U		0.00804	0.0185	1	05/30/2024 15:38	WG2295241
PCB 1260	U		0.00804	0.0185	1	05/30/2024 15:38	WG2295241
(S) Decachlorobiphenyl	*78.3*			*10.0-135*		*05/30/2024 15:38*	WG2295241

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*83.4*			*10.0-139*		*05/30/2024 15:38*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00587	0.0363	1	05/30/2024 18:48	WG2295242
Acenaphthylene	U		0.00511	0.0363	1	05/30/2024 18:48	WG2295242
Anthracene	U		0.00646	0.0363	1	05/30/2024 18:48	WG2295242
Benzidine	U		0.0682	1.82	1	05/30/2024 18:48	WG2295242
Benzo(a)anthracene	0.0112	J	0.00639	0.0363	1	05/30/2024 18:48	WG2295242
Benzo(b)fluoranthene	0.0281	J	0.00676	0.0363	1	05/30/2024 18:48	WG2295242
Benzo(k)fluoranthene	0.00889	J	0.00645	0.0363	1	05/30/2024 18:48	WG2295242
Benzo(g,h,i)perylene	0.0101	J	0.00663	0.0363	1	05/30/2024 18:48	WG2295242
Benzo(a)pyrene	0.0143	J	0.00674	0.0363	1	05/30/2024 18:48	WG2295242
Bis(2-chlorethoxy)methane	U		0.0109	0.363	1	05/30/2024 18:48	WG2295242
Bis(2-chloroethyl)ether	U		0.0120	0.363	1	05/30/2024 18:48	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0157	0.363	1	05/30/2024 18:48	WG2295242
4-Bromophenyl-phenylether	U		0.0127	0.363	1	05/30/2024 18:48	WG2295242
2-Chloronaphthalene	U		0.00637	0.0363	1	05/30/2024 18:48	WG2295242
4-Chlorophenyl-phenylether	U		0.0126	0.363	1	05/30/2024 18:48	WG2295242
Chrysene	0.0172	J	0.00721	0.0363	1	05/30/2024 18:48	WG2295242
Dibenz(a,h)anthracene	U		0.0101	0.0363	1	05/30/2024 18:48	WG2295242
1,2-Dichlorobenzene	U		0.0107	0.363	1	05/30/2024 18:48	WG2295242
1,3-Dichlorobenzene	U		0.0110	0.363	1	05/30/2024 18:48	WG2295242
1,4-Dichlorobenzene	U		0.0108	0.363	1	05/30/2024 18:48	WG2295242
3,3-Dichlorobenzidine	U		0.0134	0.363	1	05/30/2024 18:48	WG2295242
2,4-Dinitrotoluene	U		0.0104	0.363	1	05/30/2024 18:48	WG2295242
2,6-Dinitrotoluene	U		0.0119	0.363	1	05/30/2024 18:48	WG2295242
Fluoranthene	0.0253	J	0.00654	0.0363	1	05/30/2024 18:48	WG2295242
Fluorene	U		0.00590	0.0363	1	05/30/2024 18:48	WG2295242
Hexachlorobenzene	U		0.0128	0.363	1	05/30/2024 18:48	WG2295242
Hexachloro-1,3-butadiene	U		0.0122	0.363	1	05/30/2024 18:48	WG2295242
Hexachlorocyclopentadiene	U		0.0191	0.363	1	05/30/2024 18:48	WG2295242
Hexachloroethane	U		0.0143	0.363	1	05/30/2024 18:48	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0363	1	05/30/2024 18:48	WG2295242
Isophorone	U		0.0111	0.363	1	05/30/2024 18:48	WG2295242
Naphthalene	0.0100	J	0.00910	0.0363	1	05/30/2024 18:48	WG2295242
Nitrobenzene	U		0.0126	0.363	1	05/30/2024 18:48	WG2295242
n-Nitrosodimethylamine	U		0.0538	0.363	1	05/30/2024 18:48	WG2295242
n-Nitrosodiphenylamine	U		0.0274	0.363	1	05/30/2024 18:48	WG2295242
n-Nitrosodi-n-propylamine	U		0.0121	0.363	1	05/30/2024 18:48	WG2295242
Phenanthrene	0.0279	J	0.00720	0.0363	1	05/30/2024 18:48	WG2295242
Benzylbutyl phthalate	U		0.0113	0.363	1	05/30/2024 18:48	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0460	0.363	1	05/30/2024 18:48	WG2295242
Di-n-butyl phthalate	U		0.0124	0.363	1	05/30/2024 18:48	WG2295242
Diethyl phthalate	U		0.0120	0.363	1	05/30/2024 18:48	WG2295242
Dimethyl phthalate	U		0.0769	0.363	1	05/30/2024 18:48	WG2295242
Di-n-octyl phthalate	U		0.0245	0.363	1	05/30/2024 18:48	WG2295242
Pyrene	0.0177	J	0.00706	0.0363	1	05/30/2024 18:48	WG2295242
1,2,4-Trichlorobenzene	U		0.0113	0.363	1	05/30/2024 18:48	WG2295242
4-Chloro-3-methylphenol	U		0.0118	0.363	1	05/30/2024 18:48	WG2295242
2-Chlorophenol	U		0.0120	0.363	1	05/30/2024 18:48	WG2295242
2,4-Dichlorophenol	U		0.0106	0.363	1	05/30/2024 18:48	WG2295242
2,4-Dimethylphenol	U		0.00947	0.363	1	05/30/2024 18:48	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0822	0.363	1	05/30/2024 18:48	WG2295242
2,4-Dinitrophenol	U		0.0848	0.363	1	05/30/2024 18:48	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0130	0.363	1	05/30/2024 18:48	WG2295242
4-Nitrophenol	U		0.0113	0.363	1	05/30/2024 18:48	WG2295242
Pentachlorophenol	0.0195	J	0.00976	0.363	1	05/30/2024 18:48	WG2295242
Phenol	U		0.0146	0.363	1	05/30/2024 18:48	WG2295242
2,4,6-Trichlorophenol	U		0.0117	0.363	1	05/30/2024 18:48	WG2295242
(S) 2-Fluorophenol	*58.2*			*12.0-120*		*05/30/2024 18:48*	WG2295242
(S) Phenol-d5	*51.9*			*10.0-120*		*05/30/2024 18:48*	WG2295242
(S) Nitrobenzene-d5	*46.2*			*10.0-122*		*05/30/2024 18:48*	WG2295242
(S) 2-Fluorobiphenyl	*51.6*			*15.0-120*		*05/30/2024 18:48*	WG2295242
(S) 2,4,6-Tribromophenol	*46.4*			*10.0-127*		*05/30/2024 18:48*	WG2295242
(S) p-Terphenyl-d14	*57.9*			*10.0-120*		*05/30/2024 18:48*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.220		0.0196	0.0435	1	05/30/2024 15:10	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.50		0.591	2.17	1	05/31/2024 20:24	WG2295058
Arsenic	9.54		0.563	2.17	1	05/31/2024 20:24	WG2295058
Barium	45.2		0.0926	0.544	1	05/31/2024 20:24	WG2295058
Beryllium	0.121	J	0.0342	0.217	1	05/31/2024 20:24	WG2295058
Cadmium	5.21		0.0512	0.544	1	05/31/2024 20:24	WG2295058
Chromium	33.6		0.145	1.09	1	05/31/2024 20:24	WG2295058
Cobalt	15.5		0.0882	1.09	1	05/31/2024 20:24	WG2295058
Copper	28200		4.35	21.7	10	06/01/2024 13:24	WG2295058
Lead	1830		0.226	0.544	1	05/31/2024 20:24	WG2295058
Molybdenum	6.16		0.119	0.544	1	05/31/2024 20:24	WG2295058
Nickel	174		0.144	2.17	1	05/31/2024 20:24	WG2295058
Selenium	U		0.831	2.17	1	05/31/2024 20:24	WG2295058
Silver	U		0.138	1.09	1	05/31/2024 20:24	WG2295058
Thallium	U		4.28	21.7	10	06/01/2024 13:24	WG2295058
Vanadium	39.5		0.550	2.17	1	05/31/2024 20:24	WG2295058
Zinc	28600		18.0	109	20	06/01/2024 15:54	WG2295058

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.33	B J	1.45	4.38	38.3	05/29/2024 17:04	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*		*05/29/2024 17:04*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0435	0.0596	1	05/29/2024 23:35	WG2295165
Acrylonitrile	U		0.00431	0.0149	1	05/29/2024 23:35	WG2295165
Benzene	U		0.000557	0.00119	1	05/29/2024 23:35	WG2295165
Bromobenzene	U		0.00107	0.0149	1	05/29/2024 23:35	WG2295165
Bromodichloromethane	U		0.000865	0.00298	1	05/29/2024 23:35	WG2295165
Bromoform	U		0.00140	0.0298	1	05/29/2024 23:35	WG2295165
Bromomethane	U		0.00235	0.0149	1	05/29/2024 23:35	WG2295165
n-Butylbenzene	U		0.00626	0.0149	1	05/29/2024 23:35	WG2295165
sec-Butylbenzene	U		0.00344	0.0149	1	05/29/2024 23:35	WG2295165
tert-Butylbenzene	U		0.00233	0.00596	1	05/29/2024 23:35	WG2295165
Carbon tetrachloride	U		0.00107	0.00596	1	05/29/2024 23:35	WG2295165
Chlorobenzene	U		0.000250	0.00298	1	05/29/2024 23:35	WG2295165
Chlorodibromomethane	U		0.000730	0.00298	1	05/29/2024 23:35	WG2295165
Chloroethane	U		0.00203	0.00596	1	05/29/2024 23:35	WG2295165
Chloroform	U		0.00123	0.00298	1	05/29/2024 23:35	WG2295165
Chloromethane	U		0.00519	0.0149	1	05/29/2024 23:35	WG2295165
2-Chlorotoluene	U		0.00103	0.00298	1	05/29/2024 23:35	WG2295165
4-Chlorotoluene	U		0.000537	0.00596	1	05/29/2024 23:35	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00465	0.0298	1	05/29/2024 23:35	WG2295165
1,2-Dibromoethane	U		0.000773	0.00298	1	05/29/2024 23:35	WG2295165
Dibromomethane	U		0.000895	0.00596	1	05/29/2024 23:35	WG2295165
1,2-Dichlorobenzene	U		0.000507	0.00596	1	05/29/2024 23:35	WG2295165
1,3-Dichlorobenzene	U		0.000716	0.00596	1	05/29/2024 23:35	WG2295165
1,4-Dichlorobenzene	U		0.000835	0.00596	1	05/29/2024 23:35	WG2295165
Dichlorodifluoromethane	U		0.00192	0.00596	1	05/29/2024 23:35	WG2295165
1,1-Dichloroethane	U		0.000586	0.00298	1	05/29/2024 23:35	WG2295165
1,2-Dichloroethane	U		0.000774	0.00298	1	05/29/2024 23:35	WG2295165
1,1-Dichloroethene	U		0.000723	0.00298	1	05/29/2024 23:35	WG2295165
cis-1,2-Dichloroethene	U		0.000875	0.00298	1	05/29/2024 23:35	WG2295165
trans-1,2-Dichloroethene	U		0.00124	0.00596	1	05/29/2024 23:35	WG2295165
1,2-Dichloropropane	U		0.00169	0.00596	1	05/29/2024 23:35	WG2295165
1,1-Dichloropropene	U		0.000965	0.00298	1	05/29/2024 23:35	WG2295165
1,3-Dichloropropane	U		0.000598	0.00596	1	05/29/2024 23:35	WG2295165
cis-1,3-Dichloropropene	U		0.000903	0.00298	1	05/29/2024 23:35	WG2295165
trans-1,3-Dichloropropene	U		0.00136	0.00596	1	05/29/2024 23:35	WG2295165
2,2-Dichloropropane	U		0.00165	0.00298	1	05/29/2024 23:35	WG2295165
Di-isopropyl ether	U		0.000489	0.00119	1	05/29/2024 23:35	WG2295165
Ethylbenzene	U		0.000879	0.00298	1	05/29/2024 23:35	WG2295165
Hexachloro-1,3-butadiene	U		0.00716	0.0298	1	05/29/2024 23:35	WG2295165
Isopropylbenzene	U		0.000507	0.00298	1	05/29/2024 23:35	WG2295165
p-Isopropyltoluene	U		0.00304	0.00596	1	05/29/2024 23:35	WG2295165
2-Butanone (MEK)	U		0.0757	0.119	1	05/29/2024 23:35	WG2295165
Methylene Chloride	U		0.00792	0.0298	1	05/29/2024 23:35	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00272	0.0298	1	05/29/2024 23:35	WG2295165
Methyl tert-butyl ether	U		0.000417	0.00119	1	05/29/2024 23:35	WG2295165
Naphthalene	0.0197		0.00582	0.0149	1	05/29/2024 23:35	WG2295165
n-Propylbenzene	U		0.00113	0.00596	1	05/29/2024 23:35	WG2295165
Styrene	U		0.000273	0.0149	1	05/29/2024 23:35	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	05/29/2024 23:35	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000829	0.00298	1	05/29/2024 23:35	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000899	0.00298	1	05/29/2024 23:35	WG2295165
Tetrachloroethene	U		0.00107	0.00298	1	05/29/2024 23:35	WG2295165
Toluene	0.00483	J	0.00155	0.00596	1	05/29/2024 23:35	WG2295165
1,2,3-Trichlorobenzene	U		0.00874	0.0149	1	05/29/2024 23:35	WG2295165
1,2,4-Trichlorobenzene	U		0.00525	0.0149	1	05/29/2024 23:35	WG2295165
1,1,1-Trichloroethane	U		0.00110	0.00298	1	05/29/2024 23:35	WG2295165
1,1,2-Trichloroethane	U		0.000712	0.00298	1	05/29/2024 23:35	WG2295165
Trichloroethene	U		0.000697	0.00119	1	05/29/2024 23:35	WG2295165
Trichlorofluoromethane	U		0.000986	0.00298	1	05/29/2024 23:35	WG2295165
1,2,3-Trichloropropane	U		0.00193	0.0149	1	05/29/2024 23:35	WG2295165
1,2,4-Trimethylbenzene	0.00205	J J4	0.00188	0.00596	1	05/29/2024 23:35	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00188	0.00596	1	05/29/2024 23:35	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00239	0.00596	1	05/29/2024 23:35	WG2295165
Vinyl chloride	U		0.00138	0.00298	1	05/29/2024 23:35	WG2295165
Xylenes, Total	0.00371	J	0.00105	0.00775	1	05/29/2024 23:35	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/29/2024 23:35*	WG2295165
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*05/29/2024 23:35*	WG2295165
(S) 1,2-Dichloroethane-d4	*81.8*			*70.0-130*		*05/29/2024 23:35*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	11.3		0.797	4.35	1	05/30/2024 17:44	WG2295238
C22-C32 Hydrocarbons	45.2		1.45	4.35	1	05/30/2024 17:44	WG2295238
C32-C40 Hydrocarbons	23.7		1.45	4.35	1	05/30/2024 17:44	WG2295238
(S) o-Terphenyl	*48.2*			*18.0-148*		*05/30/2024 17:44*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00586	0.0362	1	05/30/2024 19:09	WG2295242
Acenaphthylene	U		0.00510	0.0362	1	05/30/2024 19:09	WG2295242
Anthracene	U		0.00645	0.0362	1	05/30/2024 19:09	WG2295242
Benzidine	U		0.0681	1.82	1	05/30/2024 19:09	WG2295242
Benzo(a)anthracene	0.00683	J	0.00638	0.0362	1	05/30/2024 19:09	WG2295242
Benzo(b)fluoranthene	0.0120	J	0.00675	0.0362	1	05/30/2024 19:09	WG2295242
Benzo(k)fluoranthene	U		0.00644	0.0362	1	05/30/2024 19:09	WG2295242
Benzo(g,h,i)perylene	U		0.00662	0.0362	1	05/30/2024 19:09	WG2295242
Benzo(a)pyrene	0.00712	J	0.00673	0.0362	1	05/30/2024 19:09	WG2295242
Bis(2-chlorethoxy)methane	U		0.0109	0.362	1	05/30/2024 19:09	WG2295242
Bis(2-chloroethyl)ether	U		0.0120	0.362	1	05/30/2024 19:09	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0157	0.362	1	05/30/2024 19:09	WG2295242
4-Bromophenyl-phenylether	U		0.0127	0.362	1	05/30/2024 19:09	WG2295242
2-Chloronaphthalene	U		0.00636	0.0362	1	05/30/2024 19:09	WG2295242
4-Chlorophenyl-phenylether	U		0.0126	0.362	1	05/30/2024 19:09	WG2295242
Chrysene	0.0102	J	0.00720	0.0362	1	05/30/2024 19:09	WG2295242
Dibenz(a,h)anthracene	U		0.0100	0.0362	1	05/30/2024 19:09	WG2295242
1,2-Dichlorobenzene	U		0.0107	0.362	1	05/30/2024 19:09	WG2295242
1,3-Dichlorobenzene	U		0.0110	0.362	1	05/30/2024 19:09	WG2295242
1,4-Dichlorobenzene	U		0.0108	0.362	1	05/30/2024 19:09	WG2295242
3,3-Dichlorobenzidine	U		0.0134	0.362	1	05/30/2024 19:09	WG2295242
2,4-Dinitrotoluene	U		0.0104	0.362	1	05/30/2024 19:09	WG2295242
2,6-Dinitrotoluene	U		0.0119	0.362	1	05/30/2024 19:09	WG2295242
Fluoranthene	0.0137	J	0.00653	0.0362	1	05/30/2024 19:09	WG2295242
Fluorene	U		0.00589	0.0362	1	05/30/2024 19:09	WG2295242
Hexachlorobenzene	U		0.0128	0.362	1	05/30/2024 19:09	WG2295242
Hexachloro-1,3-butadiene	U		0.0122	0.362	1	05/30/2024 19:09	WG2295242
Hexachlorocyclopentadiene	U		0.0190	0.362	1	05/30/2024 19:09	WG2295242
Hexachloroethane	U		0.0142	0.362	1	05/30/2024 19:09	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0362	1	05/30/2024 19:09	WG2295242
Isophorone	U		0.0111	0.362	1	05/30/2024 19:09	WG2295242
Naphthalene	0.0146	J	0.00909	0.0362	1	05/30/2024 19:09	WG2295242
Nitrobenzene	U		0.0126	0.362	1	05/30/2024 19:09	WG2295242
n-Nitrosodimethylamine	U		0.0537	0.362	1	05/30/2024 19:09	WG2295242
n-Nitrosodiphenylamine	U		0.0274	0.362	1	05/30/2024 19:09	WG2295242
n-Nitrosodi-n-propylamine	U		0.0121	0.362	1	05/30/2024 19:09	WG2295242
Phenanthrene	0.0189	J	0.00719	0.0362	1	05/30/2024 19:09	WG2295242
Benzylbutyl phthalate	U		0.0113	0.362	1	05/30/2024 19:09	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0459	0.362	1	05/30/2024 19:09	WG2295242
Di-n-butyl phthalate	U		0.0124	0.362	1	05/30/2024 19:09	WG2295242
Diethyl phthalate	U		0.0120	0.362	1	05/30/2024 19:09	WG2295242
Dimethyl phthalate	U		0.0768	0.362	1	05/30/2024 19:09	WG2295242
Di-n-octyl phthalate	U		0.0245	0.362	1	05/30/2024 19:09	WG2295242
Pyrene	0.0177	J	0.00705	0.0362	1	05/30/2024 19:09	WG2295242
1,2,4-Trichlorobenzene	U		0.0113	0.362	1	05/30/2024 19:09	WG2295242
4-Chloro-3-methylphenol	U		0.0117	0.362	1	05/30/2024 19:09	WG2295242
2-Chlorophenol	U		0.0120	0.362	1	05/30/2024 19:09	WG2295242
2,4-Dichlorophenol	U		0.0105	0.362	1	05/30/2024 19:09	WG2295242

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.00946	0.362	1	05/30/2024 19:09	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0821	0.362	1	05/30/2024 19:09	WG2295242
2,4-Dinitrophenol	U		0.0847	0.362	1	05/30/2024 19:09	WG2295242
2-Nitrophenol	U		0.0129	0.362	1	05/30/2024 19:09	WG2295242
4-Nitrophenol	U		0.0113	0.362	1	05/30/2024 19:09	WG2295242
Pentachlorophenol	0.0309	J	0.00974	0.362	1	05/30/2024 19:09	WG2295242
Phenol	0.0167	J	0.0146	0.362	1	05/30/2024 19:09	WG2295242
2,4,6-Trichlorophenol	U		0.0116	0.362	1	05/30/2024 19:09	WG2295242
(S) 2-Fluorophenol	*53.8*			*12.0-120*		*05/30/2024 19:09*	WG2295242
(S) Phenol-d5	*47.7*			*10.0-120*		*05/30/2024 19:09*	WG2295242
(S) Nitrobenzene-d5	*41.6*			*10.0-122*		*05/30/2024 19:09*	WG2295242
(S) 2-Fluorobiphenyl	*45.9*			*15.0-120*		*05/30/2024 19:09*	WG2295242
(S) 2,4,6-Tribromophenol	*42.9*			*10.0-127*		*05/30/2024 19:09*	WG2295242
(S) p-Terphenyl-d14	*52.3*			*10.0-120*		*05/30/2024 19:09*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	06/26/2024 13:44	WG2311827

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Copper	3730		0.472	2.36	1	06/27/2024 20:14	WG2313442
Lead	406		0.246	0.590	1	06/27/2024 20:14	WG2313442
Nickel	66.0		0.156	2.36	1	06/27/2024 20:14	WG2313442

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	05/30/2024 07:13	WG2294978

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0555	0.0761	1	06/04/2024 19:15	WG2298400
Acrylonitrile	U		0.00549	0.0190	1	06/04/2024 19:15	WG2298400
Benzene	U		0.000710	0.00152	1	06/04/2024 19:15	WG2298400
Bromobenzene	U		0.00137	0.0190	1	06/04/2024 19:15	WG2298400
Bromodichloromethane	U		0.00110	0.00380	1	06/04/2024 19:15	WG2298400
Bromoform	U		0.00178	0.0380	1	06/04/2024 19:15	WG2298400
Bromomethane	U		0.00300	0.0190	1	06/04/2024 19:15	WG2298400
n-Butylbenzene	U		0.00799	0.0190	1	06/04/2024 19:15	WG2298400
sec-Butylbenzene	U		0.00438	0.0190	1	06/04/2024 19:15	WG2298400
tert-Butylbenzene	U		0.00297	0.00761	1	06/04/2024 19:15	WG2298400
Carbon tetrachloride	U		0.00137	0.00761	1	06/04/2024 19:15	WG2298400
Chlorobenzene	U		0.000319	0.00380	1	06/04/2024 19:15	WG2298400
Chlorodibromomethane	U		0.000931	0.00380	1	06/04/2024 19:15	WG2298400
Chloroethane	U		0.00259	0.00761	1	06/04/2024 19:15	WG2298400
Chloroform	U		0.00157	0.00380	1	06/04/2024 19:15	WG2298400
Chloromethane	U		0.00662	0.0190	1	06/04/2024 19:15	WG2298400
2-Chlorotoluene	U		0.00132	0.00380	1	06/04/2024 19:15	WG2298400
4-Chlorotoluene	U		0.000684	0.00761	1	06/04/2024 19:15	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00593	0.0380	1	06/04/2024 19:15	WG2298400
1,2-Dibromoethane	U		0.000986	0.00380	1	06/04/2024 19:15	WG2298400
Dibromomethane	U		0.00114	0.00761	1	06/04/2024 19:15	WG2298400
1,2-Dichlorobenzene	U		0.000646	0.00761	1	06/04/2024 19:15	WG2298400
1,3-Dichlorobenzene	U		0.000913	0.00761	1	06/04/2024 19:15	WG2298400
1,4-Dichlorobenzene	U		0.00106	0.00761	1	06/04/2024 19:15	WG2298400
Dichlorodifluoromethane	U		0.00245	0.00761	1	06/04/2024 19:15	WG2298400
1,1-Dichloroethane	U		0.000747	0.00380	1	06/04/2024 19:15	WG2298400
1,2-Dichloroethane	U		0.000987	0.00380	1	06/04/2024 19:15	WG2298400
1,1-Dichloroethene	U		0.000922	0.00380	1	06/04/2024 19:15	WG2298400
cis-1,2-Dichloroethene	U		0.00112	0.00380	1	06/04/2024 19:15	WG2298400
trans-1,2-Dichloroethene	U		0.00158	0.00761	1	06/04/2024 19:15	WG2298400
1,2-Dichloropropane	U		0.00216	0.00761	1	06/04/2024 19:15	WG2298400
1,1-Dichloropropene	U		0.00123	0.00380	1	06/04/2024 19:15	WG2298400
1,3-Dichloropropane	U		0.000762	0.00761	1	06/04/2024 19:15	WG2298400
cis-1,3-Dichloropropene	U		0.00115	0.00380	1	06/04/2024 19:15	WG2298400
trans-1,3-Dichloropropene	U		0.00173	0.00761	1	06/04/2024 19:15	WG2298400
2,2-Dichloropropane	U		0.00210	0.00380	1	06/04/2024 19:15	WG2298400
Di-isopropyl ether	U		0.000624	0.00152	1	06/04/2024 19:15	WG2298400
Ethylbenzene	U		0.00112	0.00380	1	06/04/2024 19:15	WG2298400
Hexachloro-1,3-butadiene	U		0.00913	0.0380	1	06/04/2024 19:15	WG2298400
Isopropylbenzene	U		0.000646	0.00380	1	06/04/2024 19:15	WG2298400
p-Isopropyltoluene	U		0.00388	0.00761	1	06/04/2024 19:15	WG2298400
2-Butanone (MEK)	U		0.0966	0.152	1	06/04/2024 19:15	WG2298400
Methylene Chloride	U		0.0101	0.0380	1	06/04/2024 19:15	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00347	0.0380	1	06/04/2024 19:15	WG2298400
Methyl tert-butyl ether	U		0.000532	0.00152	1	06/04/2024 19:15	WG2298400
Naphthalene	U		0.00742	0.0190	1	06/04/2024 19:15	WG2298400
n-Propylbenzene	U		0.00145	0.00761	1	06/04/2024 19:15	WG2298400
Styrene	U		0.000348	0.0190	1	06/04/2024 19:15	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00144	0.00380	1	06/04/2024 19:15	WG2298400
1,1,2,2-Tetrachloroethane	U		0.00106	0.00380	1	06/04/2024 19:15	WG2298400

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00380	1	06/04/2024 19:15	WG2298400
Tetrachloroethene	U		0.00136	0.00380	1	06/04/2024 19:15	WG2298400
Toluene	U		0.00198	0.00761	1	06/04/2024 19:15	WG2298400
1,2,3-Trichlorobenzene	U		0.0111	0.0190	1	06/04/2024 19:15	WG2298400
1,2,4-Trichlorobenzene	U		0.00669	0.0190	1	06/04/2024 19:15	WG2298400
1,1,1-Trichloroethane	U		0.00140	0.00380	1	06/04/2024 19:15	WG2298400
1,1,2-Trichloroethane	U		0.000908	0.00380	1	06/04/2024 19:15	WG2298400
Trichloroethene	U		0.000888	0.00152	1	06/04/2024 19:15	WG2298400
Trichlorofluoromethane	U		0.00126	0.00380	1	06/04/2024 19:15	WG2298400
1,2,3-Trichloropropane	U		0.00246	0.0190	1	06/04/2024 19:15	WG2298400
1,2,4-Trimethylbenzene	U		0.00240	0.00761	1	06/04/2024 19:15	WG2298400
1,2,3-Trimethylbenzene	U		0.00240	0.00761	1	06/04/2024 19:15	WG2298400
1,3,5-Trimethylbenzene	U		0.00304	0.00761	1	06/04/2024 19:15	WG2298400
Vinyl chloride	U		0.00176	0.00380	1	06/04/2024 19:15	WG2298400
Xylenes, Total	0.00432	J	0.00134	0.00989	1	06/04/2024 19:15	WG2298400
(S) Toluene-d8	*100*			*75.0-131*		*06/04/2024 19:15*	WG2298400
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/04/2024 19:15*	WG2298400
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*06/04/2024 19:15*	WG2298400

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.70	J	0.905	4.94	1	05/30/2024 17:30	WG2295238
C22-C32 Hydrocarbons	6.14		1.64	4.94	1	05/30/2024 17:30	WG2295238
C32-C40 Hydrocarbons	8.06		1.64	4.94	1	05/30/2024 17:30	WG2295238
(S) o-Terphenyl	*28.5*			*18.0-148*		*05/30/2024 17:30*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00666	0.0411	1	05/30/2024 20:31	WG2295242
Acenaphthylene	U		0.00579	0.0411	1	05/30/2024 20:31	WG2295242
Anthracene	U		0.00732	0.0411	1	05/30/2024 20:31	WG2295242
Benzidine	U		0.0773	2.06	1	05/30/2024 20:31	WG2295242
Benzo(a)anthracene	U		0.00725	0.0411	1	05/30/2024 20:31	WG2295242
Benzo(b)fluoranthene	U		0.00767	0.0411	1	05/30/2024 20:31	WG2295242
Benzo(k)fluoranthene	U		0.00731	0.0411	1	05/30/2024 20:31	WG2295242
Benzo(g,h,i)perylene	U		0.00752	0.0411	1	05/30/2024 20:31	WG2295242
Benzo(a)pyrene	U		0.00764	0.0411	1	05/30/2024 20:31	WG2295242
Bis(2-chlorethoxy)methane	U		0.0123	0.411	1	05/30/2024 20:31	WG2295242
Bis(2-chloroethyl)ether	U		0.0136	0.411	1	05/30/2024 20:31	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0178	0.411	1	05/30/2024 20:31	WG2295242
4-Bromophenyl-phenylether	U		0.0144	0.411	1	05/30/2024 20:31	WG2295242
2-Chloronaphthalene	U		0.00722	0.0411	1	05/30/2024 20:31	WG2295242
4-Chlorophenyl-phenylether	U		0.0143	0.411	1	05/30/2024 20:31	WG2295242
Chrysene	U		0.00817	0.0411	1	05/30/2024 20:31	WG2295242
Dibenz(a,h)anthracene	U		0.0114	0.0411	1	05/30/2024 20:31	WG2295242
1,2-Dichlorobenzene	U		0.0122	0.411	1	05/30/2024 20:31	WG2295242
1,3-Dichlorobenzene	U		0.0125	0.411	1	05/30/2024 20:31	WG2295242
1,4-Dichlorobenzene	U		0.0122	0.411	1	05/30/2024 20:31	WG2295242
3,3-Dichlorobenzidine	U		0.0152	0.411	1	05/30/2024 20:31	WG2295242
2,4-Dinitrotoluene	U		0.0118	0.411	1	05/30/2024 20:31	WG2295242
2,6-Dinitrotoluene	U		0.0135	0.411	1	05/30/2024 20:31	WG2295242
Fluoranthene	0.0107	J	0.00742	0.0411	1	05/30/2024 20:31	WG2295242
Fluorene	U		0.00669	0.0411	1	05/30/2024 20:31	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachlorobenzene	U		0.0146	0.411	1	05/30/2024 20:31	WG2295242
Hexachloro-1,3-butadiene	U		0.0138	0.411	1	05/30/2024 20:31	WG2295242
Hexachlorocyclopentadiene	U		0.0216	0.411	1	05/30/2024 20:31	WG2295242
Hexachloroethane	U		0.0162	0.411	1	05/30/2024 20:31	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0116	0.0411	1	05/30/2024 20:31	WG2295242
Isophorone	U		0.0126	0.411	1	05/30/2024 20:31	WG2295242
Naphthalene	U		0.0103	0.0411	1	05/30/2024 20:31	WG2295242
Nitrobenzene	U		0.0143	0.411	1	05/30/2024 20:31	WG2295242
n-Nitrosodimethylamine	U		0.0610	0.411	1	05/30/2024 20:31	WG2295242
n-Nitrosodiphenylamine	U		0.0311	0.411	1	05/30/2024 20:31	WG2295242
n-Nitrosodi-n-propylamine	U		0.0137	0.411	1	05/30/2024 20:31	WG2295242
Phenanthrene	0.00896	J	0.00816	0.0411	1	05/30/2024 20:31	WG2295242
Benzylbutyl phthalate	U		0.0128	0.411	1	05/30/2024 20:31	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0521	0.411	1	05/30/2024 20:31	WG2295242
Di-n-butyl phthalate	U		0.0141	0.411	1	05/30/2024 20:31	WG2295242
Diethyl phthalate	U		0.0136	0.411	1	05/30/2024 20:31	WG2295242
Dimethyl phthalate	U		0.0872	0.411	1	05/30/2024 20:31	WG2295242
Di-n-octyl phthalate	U		0.0278	0.411	1	05/30/2024 20:31	WG2295242
Pyrene	0.00911	J	0.00800	0.0411	1	05/30/2024 20:31	WG2295242
1,2,4-Trichlorobenzene	U		0.0128	0.411	1	05/30/2024 20:31	WG2295242
4-Chloro-3-methylphenol	U		0.0133	0.411	1	05/30/2024 20:31	WG2295242
2-Chlorophenol	U		0.0136	0.411	1	05/30/2024 20:31	WG2295242
2,4-Dichlorophenol	U		0.0120	0.411	1	05/30/2024 20:31	WG2295242
2,4-Dimethylphenol	U		0.0107	0.411	1	05/30/2024 20:31	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0932	0.411	1	05/30/2024 20:31	WG2295242
2,4-Dinitrophenol	U		0.0962	0.411	1	05/30/2024 20:31	WG2295242
2-Nitrophenol	U		0.0147	0.411	1	05/30/2024 20:31	WG2295242
4-Nitrophenol	U		0.0128	0.411	1	05/30/2024 20:31	WG2295242
Pentachlorophenol	U		0.0111	0.411	1	05/30/2024 20:31	WG2295242
Phenol	U		0.0165	0.411	1	05/30/2024 20:31	WG2295242
2,4,6-Trichlorophenol	U		0.0132	0.411	1	05/30/2024 20:31	WG2295242
(S) 2-Fluorophenol	*61.6*			*12.0-120*		*05/30/2024 20:31*	WG2295242
(S) Phenol-d5	*55.9*			*10.0-120*		*05/30/2024 20:31*	WG2295242
(S) Nitrobenzene-d5	*43.9*			*10.0-122*		*05/30/2024 20:31*	WG2295242
(S) 2-Fluorobiphenyl	*53.5*			*15.0-120*		*05/30/2024 20:31*	WG2295242
(S) 2,4,6-Tribromophenol	*51.4*			*10.0-127*		*05/30/2024 20:31*	WG2295242
(S) p-Terphenyl-d14	*61.8*			*10.0-120*		*05/30/2024 20:31*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	05/30/2024 07:13	WG2294978

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.133		0.0217	0.0483	1	05/30/2024 15:13	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.796	J	0.656	2.41	1	05/31/2024 18:20	WG2295058
Arsenic	4.88		0.625	2.41	1	05/31/2024 18:20	WG2295058
Barium	154		0.103	0.603	1	05/31/2024 18:20	WG2295058
Beryllium	0.339		0.0380	0.241	1	05/31/2024 18:20	WG2295058
Cadmium	0.409	J	0.0568	0.603	1	05/31/2024 18:20	WG2295058
Chromium	36.1		0.160	1.21	1	05/31/2024 18:20	WG2295058
Cobalt	9.34		0.0978	1.21	1	05/31/2024 18:20	WG2295058
Copper	23.5		0.483	2.41	1	05/31/2024 18:20	WG2295058
Lead	47.3		0.251	0.603	1	05/31/2024 18:20	WG2295058
Molybdenum	0.746		0.131	0.603	1	05/31/2024 18:20	WG2295058
Nickel	59.1		0.159	2.41	1	05/31/2024 18:20	WG2295058
Selenium	U		0.922	2.41	1	05/31/2024 18:20	WG2295058
Silver	U		0.153	1.21	1	05/31/2024 18:20	WG2295058
Thallium	0.956	J	0.475	2.41	1	05/31/2024 18:20	WG2295058
Vanadium	26.7		0.610	2.41	1	05/31/2024 18:20	WG2295058
Zinc	127		1.00	6.03	1	05/31/2024 18:20	WG2295058

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0142	0.0410	1	05/31/2024 02:19	WG2295241
PCB 1221	U		0.0142	0.0410	1	05/31/2024 02:19	WG2295241
PCB 1232	U		0.0142	0.0410	1	05/31/2024 02:19	WG2295241
PCB 1242	U		0.0142	0.0410	1	05/31/2024 02:19	WG2295241
PCB 1248	U		0.00890	0.0205	1	05/31/2024 02:19	WG2295241
PCB 1254	U		0.00890	0.0205	1	05/31/2024 02:19	WG2295241
PCB 1260	U		0.00890	0.0205	1	05/31/2024 02:19	WG2295241
(S) Decachlorobiphenyl	*46.0*			*10.0-135*		*05/31/2024 02:19*	WG2295241
(S) Tetrachloro-m-xylene	*55.5*			*10.0-139*		*05/31/2024 02:19*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00650	0.0402	1	05/30/2024 22:14	WG2295242
Acenaphthylene	U		0.00566	0.0402	1	05/30/2024 22:14	WG2295242
Anthracene	U		0.00715	0.0402	1	05/30/2024 22:14	WG2295242
Benzidine	U		0.0755	2.01	1	05/30/2024 22:14	WG2295242
Benzo(a)anthracene	U		0.00708	0.0402	1	05/30/2024 22:14	WG2295242
Benzo(b)fluoranthene	U		0.00749	0.0402	1	05/30/2024 22:14	WG2295242
Benzo(k)fluoranthene	U		0.00714	0.0402	1	05/30/2024 22:14	WG2295242
Benzo(g,h,i)perylene	U		0.00735	0.0402	1	05/30/2024 22:14	WG2295242
Benzo(a)pyrene	U		0.00747	0.0402	1	05/30/2024 22:14	WG2295242
Bis(2-chlorethoxy)methane	U		0.0121	0.402	1	05/30/2024 22:14	WG2295242
Bis(2-chloroethyl)ether	U		0.0133	0.402	1	05/30/2024 22:14	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0174	0.402	1	05/30/2024 22:14	WG2295242
4-Bromophenyl-phenylether	U		0.0141	0.402	1	05/30/2024 22:14	WG2295242
2-Chloronaphthalene	U		0.00706	0.0402	1	05/30/2024 22:14	WG2295242
4-Chlorophenyl-phenylether	U		0.0140	0.402	1	05/30/2024 22:14	WG2295242
Chrysene	U		0.00799	0.0402	1	05/30/2024 22:14	WG2295242
Dibenz(a,h)anthracene	U		0.0111	0.0402	1	05/30/2024 22:14	WG2295242
1,2-Dichlorobenzene	U		0.0119	0.402	1	05/30/2024 22:14	WG2295242
1,3-Dichlorobenzene	U		0.0122	0.402	1	05/30/2024 22:14	WG2295242
1,4-Dichlorobenzene	U		0.0120	0.402	1	05/30/2024 22:14	WG2295242
3,3-Dichlorobenzidine	U		0.0148	0.402	1	05/30/2024 22:14	WG2295242
2,4-Dinitrotoluene	U		0.0115	0.402	1	05/30/2024 22:14	WG2295242
2,6-Dinitrotoluene	U		0.0131	0.402	1	05/30/2024 22:14	WG2295242
Fluoranthene	U		0.00725	0.0402	1	05/30/2024 22:14	WG2295242
Fluorene	U		0.00654	0.0402	1	05/30/2024 22:14	WG2295242
Hexachlorobenzene	U		0.0142	0.402	1	05/30/2024 22:14	WG2295242
Hexachloro-1,3-butadiene	U		0.0135	0.402	1	05/30/2024 22:14	WG2295242
Hexachlorocyclopentadiene	U		0.0211	0.402	1	05/30/2024 22:14	WG2295242
Hexachloroethane	U		0.0158	0.402	1	05/30/2024 22:14	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0114	0.0402	1	05/30/2024 22:14	WG2295242
Isophorone	U		0.0123	0.402	1	05/30/2024 22:14	WG2295242
Naphthalene	U		0.0101	0.0402	1	05/30/2024 22:14	WG2295242
Nitrobenzene	U		0.0140	0.402	1	05/30/2024 22:14	WG2295242
n-Nitrosodimethylamine	U		0.0596	0.402	1	05/30/2024 22:14	WG2295242
n-Nitrosodiphenylamine	U		0.0304	0.402	1	05/30/2024 22:14	WG2295242
n-Nitrosodi-n-propylamine	U		0.0134	0.402	1	05/30/2024 22:14	WG2295242
Phenanthrene	U		0.00797	0.0402	1	05/30/2024 22:14	WG2295242
Benzylbutyl phthalate	U		0.0125	0.402	1	05/30/2024 22:14	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0509	0.402	1	05/30/2024 22:14	WG2295242
Di-n-butyl phthalate	U		0.0138	0.402	1	05/30/2024 22:14	WG2295242
Diethyl phthalate	U		0.0133	0.402	1	05/30/2024 22:14	WG2295242
Dimethyl phthalate	U		0.0852	0.402	1	05/30/2024 22:14	WG2295242
Di-n-octyl phthalate	U		0.0271	0.402	1	05/30/2024 22:14	WG2295242
Pyrene	U		0.00782	0.0402	1	05/30/2024 22:14	WG2295242
1,2,4-Trichlorobenzene	U		0.0125	0.402	1	05/30/2024 22:14	WG2295242
4-Chloro-3-methylphenol	U		0.0130	0.402	1	05/30/2024 22:14	WG2295242
2-Chlorophenol	U		0.0133	0.402	1	05/30/2024 22:14	WG2295242
2,4-Dichlorophenol	U		0.0117	0.402	1	05/30/2024 22:14	WG2295242
2,4-Dimethylphenol	U		0.0105	0.402	1	05/30/2024 22:14	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0911	0.402	1	05/30/2024 22:14	WG2295242
2,4-Dinitrophenol	U		0.0940	0.402	1	05/30/2024 22:14	WG2295242
2-Nitrophenol	U		0.0144	0.402	1	05/30/2024 22:14	WG2295242
4-Nitrophenol	U		0.0125	0.402	1	05/30/2024 22:14	WG2295242
Pentachlorophenol	U		0.0108	0.402	1	05/30/2024 22:14	WG2295242
Phenol	U		0.0162	0.402	1	05/30/2024 22:14	WG2295242
2,4,6-Trichlorophenol	U		0.0129	0.402	1	05/30/2024 22:14	WG2295242
(S) 2-Fluorophenol	*55.9*			*12.0-120*		*05/30/2024 22:14*	WG2295242
(S) Phenol-d5	*50.6*			*10.0-120*		*05/30/2024 22:14*	WG2295242
(S) Nitrobenzene-d5	*43.8*			*10.0-122*		*05/30/2024 22:14*	WG2295242
(S) 2-Fluorobiphenyl	*49.7*			*15.0-120*		*05/30/2024 22:14*	WG2295242
(S) 2,4,6-Tribromophenol	*45.8*			*10.0-127*		*05/30/2024 22:14*	WG2295242
(S) p-Terphenyl-d14	*56.8*			*10.0-120*		*05/30/2024 22:14*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	05/29/2024 15:10	WG2294985

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.163		0.0204	0.0453	1	05/30/2024 15:15	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.797	J	0.616	2.26	1	05/31/2024 20:09	WG2295058
Arsenic	4.16		0.587	2.26	1	05/31/2024 20:09	WG2295058
Barium	140	J6 O1	0.0965	0.566	1	05/31/2024 20:09	WG2295058
Beryllium	0.382		0.0357	0.226	1	05/31/2024 20:09	WG2295058
Cadmium	U		0.0533	0.566	1	05/31/2024 20:09	WG2295058
Chromium	58.2	O1	0.151	1.13	1	05/31/2024 20:09	WG2295058
Cobalt	16.9	O1	0.0918	1.13	1	05/31/2024 20:09	WG2295058
Copper	23.5	O1	0.453	2.26	1	05/31/2024 20:09	WG2295058
Lead	10.7		0.236	0.566	1	05/31/2024 20:09	WG2295058
Molybdenum	U		0.123	0.566	1	05/31/2024 20:09	WG2295058
Nickel	114	J6 O1	0.149	2.26	1	05/31/2024 20:09	WG2295058
Selenium	U		0.865	2.26	1	05/31/2024 20:09	WG2295058
Silver	0.299	J	0.144	1.13	1	06/04/2024 20:20	WG2298045
Thallium	2.08	J	0.446	2.26	1	05/31/2024 20:09	WG2295058
Vanadium	34.1	O1	0.573	2.26	1	05/31/2024 20:09	WG2295058
Zinc	40.6		0.942	5.66	1	05/31/2024 20:09	WG2295058

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0467	0.0640	1	05/29/2024 23:56	WG2295165
Acrylonitrile	U		0.00462	0.0160	1	05/29/2024 23:56	WG2295165
Benzene	U		0.000598	0.00128	1	05/29/2024 23:56	WG2295165
Bromobenzene	U		0.00115	0.0160	1	05/29/2024 23:56	WG2295165
Bromodichloromethane	U		0.000928	0.00320	1	05/29/2024 23:56	WG2295165
Bromoform	U		0.00150	0.0320	1	05/29/2024 23:56	WG2295165
Bromomethane	U		0.00252	0.0160	1	05/29/2024 23:56	WG2295165
n-Butylbenzene	U		0.00672	0.0160	1	05/29/2024 23:56	WG2295165
sec-Butylbenzene	U		0.00369	0.0160	1	05/29/2024 23:56	WG2295165
tert-Butylbenzene	U		0.00250	0.00640	1	05/29/2024 23:56	WG2295165
Carbon tetrachloride	U		0.00115	0.00640	1	05/29/2024 23:56	WG2295165
Chlorobenzene	U		0.000269	0.00320	1	05/29/2024 23:56	WG2295165
Chlorodibromomethane	U		0.000783	0.00320	1	05/29/2024 23:56	WG2295165
Chloroethane	U		0.00218	0.00640	1	05/29/2024 23:56	WG2295165
Chloroform	U		0.00132	0.00320	1	05/29/2024 23:56	WG2295165
Chloromethane	U		0.00557	0.0160	1	05/29/2024 23:56	WG2295165
2-Chlorotoluene	U		0.00111	0.00320	1	05/29/2024 23:56	WG2295165
4-Chlorotoluene	U		0.000576	0.00640	1	05/29/2024 23:56	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00499	0.0320	1	05/29/2024 23:56	WG2295165
1,2-Dibromoethane	U		0.000829	0.00320	1	05/29/2024 23:56	WG2295165
Dibromomethane	U		0.000960	0.00640	1	05/29/2024 23:56	WG2295165
1,2-Dichlorobenzene	U		0.000544	0.00640	1	05/29/2024 23:56	WG2295165
1,3-Dichlorobenzene	U		0.000768	0.00640	1	05/29/2024 23:56	WG2295165
1,4-Dichlorobenzene	U		0.000896	0.00640	1	05/29/2024 23:56	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00206	0.00640	1	05/29/2024 23:56	WG2295165
1,1-Dichloroethane	U		0.000628	0.00320	1	05/29/2024 23:56	WG2295165
1,2-Dichloroethane	U		0.000831	0.00320	1	05/29/2024 23:56	WG2295165
1,1-Dichloroethene	U		0.000775	0.00320	1	05/29/2024 23:56	WG2295165
cis-1,2-Dichloroethene	U		0.000939	0.00320	1	05/29/2024 23:56	WG2295165
trans-1,2-Dichloroethene	U		0.00133	0.00640	1	05/29/2024 23:56	WG2295165
1,2-Dichloropropane	U		0.00182	0.00640	1	05/29/2024 23:56	WG2295165
1,1-Dichloropropene	U		0.00104	0.00320	1	05/29/2024 23:56	WG2295165
1,3-Dichloropropane	U		0.000641	0.00640	1	05/29/2024 23:56	WG2295165
cis-1,3-Dichloropropene	U		0.000969	0.00320	1	05/29/2024 23:56	WG2295165
trans-1,3-Dichloropropene	U		0.00146	0.00640	1	05/29/2024 23:56	WG2295165
2,2-Dichloropropane	U		0.00177	0.00320	1	05/29/2024 23:56	WG2295165
Di-isopropyl ether	U		0.000525	0.00128	1	05/29/2024 23:56	WG2295165
Ethylbenzene	U		0.000943	0.00320	1	05/29/2024 23:56	WG2295165
Hexachloro-1,3-butadiene	U		0.00768	0.0320	1	05/29/2024 23:56	WG2295165
Isopropylbenzene	U		0.000544	0.00320	1	05/29/2024 23:56	WG2295165
p-Isopropyltoluene	U		0.00326	0.00640	1	05/29/2024 23:56	WG2295165
2-Butanone (MEK)	U		0.0813	0.128	1	05/29/2024 23:56	WG2295165
Methylene Chloride	U		0.00850	0.0320	1	05/29/2024 23:56	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00292	0.0320	1	05/29/2024 23:56	WG2295165
Methyl tert-butyl ether	U		0.000448	0.00128	1	05/29/2024 23:56	WG2295165
Naphthalene	U		0.00624	0.0160	1	05/29/2024 23:56	WG2295165
n-Propylbenzene	U		0.00122	0.00640	1	05/29/2024 23:56	WG2295165
Styrene	U		0.000293	0.0160	1	05/29/2024 23:56	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00121	0.00320	1	05/29/2024 23:56	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000889	0.00320	1	05/29/2024 23:56	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000965	0.00320	1	05/29/2024 23:56	WG2295165
Tetrachloroethene	U		0.00115	0.00320	1	05/29/2024 23:56	WG2295165
Toluene	U		0.00166	0.00640	1	05/29/2024 23:56	WG2295165
1,2,3-Trichlorobenzene	U		0.00938	0.0160	1	05/29/2024 23:56	WG2295165
1,2,4-Trichlorobenzene	U		0.00563	0.0160	1	05/29/2024 23:56	WG2295165
1,1,1-Trichloroethane	U		0.00118	0.00320	1	05/29/2024 23:56	WG2295165
1,1,2-Trichloroethane	U		0.000764	0.00320	1	05/29/2024 23:56	WG2295165
Trichloroethene	0.00210		0.000747	0.00128	1	05/29/2024 23:56	WG2295165
Trichlorofluoromethane	U		0.00106	0.00320	1	05/29/2024 23:56	WG2295165
1,2,3-Trichloropropane	U		0.00207	0.0160	1	05/29/2024 23:56	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00202	0.00640	1	05/29/2024 23:56	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00202	0.00640	1	05/29/2024 23:56	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00256	0.00640	1	05/29/2024 23:56	WG2295165
Vinyl chloride	U		0.00148	0.00320	1	05/29/2024 23:56	WG2295165
Xylenes, Total	U		0.00113	0.00832	1	05/29/2024 23:56	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/29/2024 23:56*	WG2295165
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*05/29/2024 23:56*	WG2295165
(S) 1,2-Dichloroethane-d4	*87.9*			*70.0-130*		*05/29/2024 23:56*	WG2295165

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0134	0.0385	1	05/31/2024 02:11	WG2295241
PCB 1221	U		0.0134	0.0385	1	05/31/2024 02:11	WG2295241
PCB 1232	U		0.0134	0.0385	1	05/31/2024 02:11	WG2295241
PCB 1242	U		0.0134	0.0385	1	05/31/2024 02:11	WG2295241
PCB 1248	U		0.00836	0.0193	1	05/31/2024 02:11	WG2295241
PCB 1254	U		0.00836	0.0193	1	05/31/2024 02:11	WG2295241
PCB 1260	U		0.00836	0.0193	1	05/31/2024 02:11	WG2295241
(S) Decachlorobiphenyl	*60.0*			*10.0-135*		*05/31/2024 02:11*	WG2295241

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*64.5*			*10.0-139*		*05/31/2024 02:11*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00610	0.0377	1	05/30/2024 18:28	WG2295242
Acenaphthylene	U		0.00531	0.0377	1	05/30/2024 18:28	WG2295242
Anthracene	U		0.00672	0.0377	1	05/30/2024 18:28	WG2295242
Benzidine	U		0.0709	1.89	1	05/30/2024 18:28	WG2295242
Benzo(a)anthracene	U		0.00665	0.0377	1	05/30/2024 18:28	WG2295242
Benzo(b)fluoranthene	U		0.00703	0.0377	1	05/30/2024 18:28	WG2295242
Benzo(k)fluoranthene	U		0.00670	0.0377	1	05/30/2024 18:28	WG2295242
Benzo(g,h,i)perylene	U		0.00690	0.0377	1	05/30/2024 18:28	WG2295242
Benzo(a)pyrene	U		0.00701	0.0377	1	05/30/2024 18:28	WG2295242
Bis(2-chlorethoxy)methane	U		0.0113	0.377	1	05/30/2024 18:28	WG2295242
Bis(2-chloroethyl)ether	U		0.0125	0.377	1	05/30/2024 18:28	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0163	0.377	1	05/30/2024 18:28	WG2295242
4-Bromophenyl-phenylether	U		0.0132	0.377	1	05/30/2024 18:28	WG2295242
2-Chloronaphthalene	U		0.00662	0.0377	1	05/30/2024 18:28	WG2295242
4-Chlorophenyl-phenylether	U		0.0131	0.377	1	05/30/2024 18:28	WG2295242
Chrysene	U		0.00750	0.0377	1	05/30/2024 18:28	WG2295242
Dibenz(a,h)anthracene	U		0.0105	0.0377	1	05/30/2024 18:28	WG2295242
1,2-Dichlorobenzene	U		0.0112	0.377	1	05/30/2024 18:28	WG2295242
1,3-Dichlorobenzene	U		0.0114	0.377	1	05/30/2024 18:28	WG2295242
1,4-Dichlorobenzene	U		0.0112	0.377	1	05/30/2024 18:28	WG2295242
3,3-Dichlorobenzidine	U		0.0139	0.377	1	05/30/2024 18:28	WG2295242
2,4-Dinitrotoluene	U		0.0108	0.377	1	05/30/2024 18:28	WG2295242
2,6-Dinitrotoluene	U		0.0123	0.377	1	05/30/2024 18:28	WG2295242
Fluoranthene	U		0.00681	0.0377	1	05/30/2024 18:28	WG2295242
Fluorene	U		0.00614	0.0377	1	05/30/2024 18:28	WG2295242
Hexachlorobenzene	U		0.0134	0.377	1	05/30/2024 18:28	WG2295242
Hexachloro-1,3-butadiene	U		0.0127	0.377	1	05/30/2024 18:28	WG2295242
Hexachlorocyclopentadiene	U		0.0198	0.377	1	05/30/2024 18:28	WG2295242
Hexachloroethane	U		0.0148	0.377	1	05/30/2024 18:28	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0107	0.0377	1	05/30/2024 18:28	WG2295242
Isophorone	U		0.0116	0.377	1	05/30/2024 18:28	WG2295242
Naphthalene	U		0.00947	0.0377	1	05/30/2024 18:28	WG2295242
Nitrobenzene	U		0.0131	0.377	1	05/30/2024 18:28	WG2295242
n-Nitrosodimethylamine	U		0.0559	0.377	1	05/30/2024 18:28	WG2295242
n-Nitrosodiphenylamine	U		0.0285	0.377	1	05/30/2024 18:28	WG2295242
n-Nitrosodi-n-propylamine	U		0.0126	0.377	1	05/30/2024 18:28	WG2295242
Phenanthrene	U		0.00749	0.0377	1	05/30/2024 18:28	WG2295242
Benzylbutyl phthalate	U		0.0118	0.377	1	05/30/2024 18:28	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0478	0.377	1	05/30/2024 18:28	WG2295242
Di-n-butyl phthalate	U		0.0129	0.377	1	05/30/2024 18:28	WG2295242
Diethyl phthalate	U		0.0125	0.377	1	05/30/2024 18:28	WG2295242
Dimethyl phthalate	U		0.0799	0.377	1	05/30/2024 18:28	WG2295242
Di-n-octyl phthalate	U		0.0255	0.377	1	05/30/2024 18:28	WG2295242
Pyrene	U		0.00734	0.0377	1	05/30/2024 18:28	WG2295242
1,2,4-Trichlorobenzene	U		0.0118	0.377	1	05/30/2024 18:28	WG2295242
4-Chloro-3-methylphenol	U		0.0122	0.377	1	05/30/2024 18:28	WG2295242
2-Chlorophenol	U		0.0125	0.377	1	05/30/2024 18:28	WG2295242
2,4-Dichlorophenol	U		0.0110	0.377	1	05/30/2024 18:28	WG2295242
2,4-Dimethylphenol	U		0.00985	0.377	1	05/30/2024 18:28	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0855	0.377	1	05/30/2024 18:28	WG2295242
2,4-Dinitrophenol	U		0.0882	0.377	1	05/30/2024 18:28	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0135	0.377	1	05/30/2024 18:28	WG2295242
4-Nitrophenol	U		0.0118	0.377	1	05/30/2024 18:28	WG2295242
Pentachlorophenol	U		0.0101	0.377	1	05/30/2024 18:28	WG2295242
Phenol	0.0155	J	0.0152	0.377	1	05/30/2024 18:28	WG2295242
2,4,6-Trichlorophenol	U		0.0121	0.377	1	05/30/2024 18:28	WG2295242
(S) 2-Fluorophenol	*57.9*			*12.0-120*		*05/30/2024 18:28*	WG2295242
(S) Phenol-d5	*52.1*			*10.0-120*		*05/30/2024 18:28*	WG2295242
(S) Nitrobenzene-d5	*46.1*			*10.0-122*		*05/30/2024 18:28*	WG2295242
(S) 2-Fluorobiphenyl	*50.2*			*15.0-120*		*05/30/2024 18:28*	WG2295242
(S) 2,4,6-Tribromophenol	*47.8*			*10.0-127*		*05/30/2024 18:28*	WG2295242
(S) p-Terphenyl-d14	*62.8*			*10.0-120*		*05/30/2024 18:28*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	05/29/2024 15:10	WG2294985

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.123		0.0227	0.0503	1	05/30/2024 15:18	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.685	2.52	1	05/31/2024 18:21	WG2295058
Arsenic	2.88		0.652	2.52	1	05/31/2024 18:21	WG2295058
Barium	106		0.107	0.629	1	05/31/2024 18:21	WG2295058
Beryllium	0.265		0.0396	0.252	1	05/31/2024 18:21	WG2295058
Cadmium	U		0.0593	0.629	1	05/31/2024 18:21	WG2295058
Chromium	44.5		0.167	1.26	1	05/31/2024 18:21	WG2295058
Cobalt	9.93		0.102	1.26	1	05/31/2024 18:21	WG2295058
Copper	14.3		0.503	2.52	1	05/31/2024 18:21	WG2295058
Lead	6.80		0.262	0.629	1	05/31/2024 18:21	WG2295058
Molybdenum	U		0.137	0.629	1	05/31/2024 18:21	WG2295058
Nickel	87.7		0.166	2.52	1	05/31/2024 18:21	WG2295058
Selenium	U		0.961	2.52	1	05/31/2024 18:21	WG2295058
Silver	U		0.160	1.26	1	05/31/2024 18:21	WG2295058
Thallium	1.10	J	0.496	2.52	1	05/31/2024 18:21	WG2295058
Vanadium	24.4		0.637	2.52	1	05/31/2024 18:21	WG2295058
Zinc	25.9		1.05	6.29	1	05/31/2024 18:21	WG2295058

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.45	4.38	25	05/29/2024 17:24	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-120*		*05/29/2024 17:24*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0578	0.0792	1	05/30/2024 00:16	WG2295165
Acrylonitrile	U		0.00572	0.0198	1	05/30/2024 00:16	WG2295165
Benzene	U		0.000739	0.00158	1	05/30/2024 00:16	WG2295165
Bromobenzene	U		0.00143	0.0198	1	05/30/2024 00:16	WG2295165
Bromodichloromethane	U		0.00115	0.00396	1	05/30/2024 00:16	WG2295165
Bromoform	U		0.00185	0.0396	1	05/30/2024 00:16	WG2295165
Bromomethane	U		0.00312	0.0198	1	05/30/2024 00:16	WG2295165
n-Butylbenzene	U		0.00831	0.0198	1	05/30/2024 00:16	WG2295165
sec-Butylbenzene	U		0.00456	0.0198	1	05/30/2024 00:16	WG2295165
tert-Butylbenzene	U		0.00309	0.00792	1	05/30/2024 00:16	WG2295165
Carbon tetrachloride	U		0.00142	0.00792	1	05/30/2024 00:16	WG2295165
Chlorobenzene	U		0.000333	0.00396	1	05/30/2024 00:16	WG2295165
Chlorodibromomethane	U		0.000969	0.00396	1	05/30/2024 00:16	WG2295165
Chloroethane	U		0.00269	0.00792	1	05/30/2024 00:16	WG2295165
Chloroform	U		0.00163	0.00396	1	05/30/2024 00:16	WG2295165
Chloromethane	U		0.00689	0.0198	1	05/30/2024 00:16	WG2295165
2-Chlorotoluene	U		0.00137	0.00396	1	05/30/2024 00:16	WG2295165
4-Chlorotoluene	U		0.000713	0.00792	1	05/30/2024 00:16	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00618	0.0396	1	05/30/2024 00:16	WG2295165
1,2-Dibromoethane	U		0.00103	0.00396	1	05/30/2024 00:16	WG2295165
Dibromomethane	U		0.00119	0.00792	1	05/30/2024 00:16	WG2295165
1,2-Dichlorobenzene	U		0.000673	0.00792	1	05/30/2024 00:16	WG2295165
1,3-Dichlorobenzene	U		0.000950	0.00792	1	05/30/2024 00:16	WG2295165
1,4-Dichlorobenzene	U		0.00111	0.00792	1	05/30/2024 00:16	WG2295165
Dichlorodifluoromethane	U		0.00255	0.00792	1	05/30/2024 00:16	WG2295165
1,1-Dichloroethane	U		0.000777	0.00396	1	05/30/2024 00:16	WG2295165
1,2-Dichloroethane	U		0.00103	0.00396	1	05/30/2024 00:16	WG2295165
1,1-Dichloroethene	U		0.000960	0.00396	1	05/30/2024 00:16	WG2295165
cis-1,2-Dichloroethene	U		0.00116	0.00396	1	05/30/2024 00:16	WG2295165
trans-1,2-Dichloroethene	U		0.00165	0.00792	1	05/30/2024 00:16	WG2295165
1,2-Dichloropropane	U		0.00225	0.00792	1	05/30/2024 00:16	WG2295165
1,1-Dichloropropene	U		0.00128	0.00396	1	05/30/2024 00:16	WG2295165
1,3-Dichloropropane	U		0.000793	0.00792	1	05/30/2024 00:16	WG2295165
cis-1,3-Dichloropropene	U		0.00120	0.00396	1	05/30/2024 00:16	WG2295165
trans-1,3-Dichloropropene	U		0.00181	0.00792	1	05/30/2024 00:16	WG2295165
2,2-Dichloropropane	U		0.00219	0.00396	1	05/30/2024 00:16	WG2295165
Di-isopropyl ether	U		0.000649	0.00158	1	05/30/2024 00:16	WG2295165
Ethylbenzene	U		0.00117	0.00396	1	05/30/2024 00:16	WG2295165
Hexachloro-1,3-butadiene	U		0.00950	0.0396	1	05/30/2024 00:16	WG2295165
Isopropylbenzene	U		0.000673	0.00396	1	05/30/2024 00:16	WG2295165
p-Isopropyltoluene	U		0.00404	0.00792	1	05/30/2024 00:16	WG2295165
2-Butanone (MEK)	U		0.101	0.158	1	05/30/2024 00:16	WG2295165
Methylene Chloride	U		0.0105	0.0396	1	05/30/2024 00:16	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00361	0.0396	1	05/30/2024 00:16	WG2295165
Methyl tert-butyl ether	U		0.000554	0.00158	1	05/30/2024 00:16	WG2295165
Naphthalene	U		0.00773	0.0198	1	05/30/2024 00:16	WG2295165
n-Propylbenzene	U		0.00150	0.00792	1	05/30/2024 00:16	WG2295165
Styrene	U		0.000363	0.0198	1	05/30/2024 00:16	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00150	0.00396	1	05/30/2024 00:16	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00110	0.00396	1	05/30/2024 00:16	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00119	0.00396	1	05/30/2024 00:16	WG2295165
Tetrachloroethene	U		0.00142	0.00396	1	05/30/2024 00:16	WG2295165
Toluene	U		0.00206	0.00792	1	05/30/2024 00:16	WG2295165
1,2,3-Trichlorobenzene	U		0.0116	0.0198	1	05/30/2024 00:16	WG2295165
1,2,4-Trichlorobenzene	U		0.00697	0.0198	1	05/30/2024 00:16	WG2295165
1,1,1-Trichloroethane	U		0.00146	0.00396	1	05/30/2024 00:16	WG2295165
1,1,2-Trichloroethane	U		0.000945	0.00396	1	05/30/2024 00:16	WG2295165
Trichloroethene	0.00782		0.000925	0.00158	1	05/30/2024 00:16	WG2295165
Trichlorofluoromethane	U		0.00131	0.00396	1	05/30/2024 00:16	WG2295165
1,2,3-Trichloropropane	U		0.00257	0.0198	1	05/30/2024 00:16	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00250	0.00792	1	05/30/2024 00:16	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00250	0.00792	1	05/30/2024 00:16	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00317	0.00792	1	05/30/2024 00:16	WG2295165
Vinyl chloride	U		0.00184	0.00396	1	05/30/2024 00:16	WG2295165
Xylenes, Total	U		0.00139	0.0103	1	05/30/2024 00:16	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2024 00:16*	WG2295165
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*05/30/2024 00:16*	WG2295165
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*		*05/30/2024 00:16*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.922	5.03	1	05/30/2024 13:37	WG2295238
C22-C32 Hydrocarbons	2.47	J	1.67	5.03	1	05/30/2024 13:37	WG2295238
C32-C40 Hydrocarbons	3.32	J	1.67	5.03	1	05/30/2024 13:37	WG2295238
(S) o-Terphenyl	*68.7*			*18.0-148*		*05/30/2024 13:37*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00678	0.0419	1	05/30/2024 17:46	WG2295242
Acenaphthylene	U		0.00590	0.0419	1	05/30/2024 17:46	WG2295242
Anthracene	U		0.00746	0.0419	1	05/30/2024 17:46	WG2295242
Benzidine	U		0.0788	2.10	1	05/30/2024 17:46	WG2295242
Benzo(a)anthracene	U		0.00739	0.0419	1	05/30/2024 17:46	WG2295242
Benzo(b)fluoranthene	U		0.00781	0.0419	1	05/30/2024 17:46	WG2295242
Benzo(k)fluoranthene	U		0.00745	0.0419	1	05/30/2024 17:46	WG2295242
Benzo(g,h,i)perylene	U		0.00766	0.0419	1	05/30/2024 17:46	WG2295242
Benzo(a)pyrene	U		0.00779	0.0419	1	05/30/2024 17:46	WG2295242
Bis(2-chlorethoxy)methane	U		0.0126	0.419	1	05/30/2024 17:46	WG2295242
Bis(2-chloroethyl)ether	U		0.0138	0.419	1	05/30/2024 17:46	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0181	0.419	1	05/30/2024 17:46	WG2295242
4-Bromophenyl-phenylether	U		0.0147	0.419	1	05/30/2024 17:46	WG2295242
2-Chloronaphthalene	U		0.00736	0.0419	1	05/30/2024 17:46	WG2295242
4-Chlorophenyl-phenylether	U		0.0146	0.419	1	05/30/2024 17:46	WG2295242
Chrysene	U		0.00833	0.0419	1	05/30/2024 17:46	WG2295242
Dibenz(a,h)anthracene	U		0.0116	0.0419	1	05/30/2024 17:46	WG2295242
1,2-Dichlorobenzene	U		0.0124	0.419	1	05/30/2024 17:46	WG2295242
1,3-Dichlorobenzene	U		0.0127	0.419	1	05/30/2024 17:46	WG2295242
1,4-Dichlorobenzene	U		0.0125	0.419	1	05/30/2024 17:46	WG2295242
3,3-Dichlorobenzidine	U		0.0155	0.419	1	05/30/2024 17:46	WG2295242
2,4-Dinitrotoluene	U		0.0120	0.419	1	05/30/2024 17:46	WG2295242
2,6-Dinitrotoluene	U		0.0137	0.419	1	05/30/2024 17:46	WG2295242
Fluoranthene	U		0.00756	0.0419	1	05/30/2024 17:46	WG2295242
Fluorene	U		0.00682	0.0419	1	05/30/2024 17:46	WG2295242
Hexachlorobenzene	U		0.0148	0.419	1	05/30/2024 17:46	WG2295242
Hexachloro-1,3-butadiene	U		0.0141	0.419	1	05/30/2024 17:46	WG2295242
Hexachlorocyclopentadiene	U		0.0220	0.419	1	05/30/2024 17:46	WG2295242
Hexachloroethane	U		0.0165	0.419	1	05/30/2024 17:46	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0118	0.0419	1	05/30/2024 17:46	WG2295242
Isophorone	U		0.0128	0.419	1	05/30/2024 17:46	WG2295242
Naphthalene	U		0.0105	0.0419	1	05/30/2024 17:46	WG2295242
Nitrobenzene	U		0.0146	0.419	1	05/30/2024 17:46	WG2295242
n-Nitrosodimethylamine	U		0.0622	0.419	1	05/30/2024 17:46	WG2295242
n-Nitrosodiphenylamine	U		0.0317	0.419	1	05/30/2024 17:46	WG2295242
n-Nitrosodi-n-propylamine	U		0.0140	0.419	1	05/30/2024 17:46	WG2295242
Phenanthrene	U		0.00832	0.0419	1	05/30/2024 17:46	WG2295242
Benzylbutyl phthalate	U		0.0131	0.419	1	05/30/2024 17:46	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0531	0.419	1	05/30/2024 17:46	WG2295242
Di-n-butyl phthalate	U		0.0143	0.419	1	05/30/2024 17:46	WG2295242
Diethyl phthalate	U		0.0138	0.419	1	05/30/2024 17:46	WG2295242
Dimethyl phthalate	U		0.0888	0.419	1	05/30/2024 17:46	WG2295242
Di-n-octyl phthalate	U		0.0283	0.419	1	05/30/2024 17:46	WG2295242
Pyrene	U		0.00815	0.0419	1	05/30/2024 17:46	WG2295242
1,2,4-Trichlorobenzene	U		0.0131	0.419	1	05/30/2024 17:46	WG2295242
4-Chloro-3-methylphenol	U		0.0136	0.419	1	05/30/2024 17:46	WG2295242
2-Chlorophenol	U		0.0138	0.419	1	05/30/2024 17:46	WG2295242
2,4-Dichlorophenol	U		0.0122	0.419	1	05/30/2024 17:46	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0109	0.419	1	05/30/2024 17:46	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0950	0.419	1	05/30/2024 17:46	WG2295242
2,4-Dinitrophenol	U		0.0980	0.419	1	05/30/2024 17:46	WG2295242
2-Nitrophenol	U		0.0150	0.419	1	05/30/2024 17:46	WG2295242
4-Nitrophenol	U		0.0131	0.419	1	05/30/2024 17:46	WG2295242
Pentachlorophenol	U		0.0113	0.419	1	05/30/2024 17:46	WG2295242
Phenol	U		0.0169	0.419	1	05/30/2024 17:46	WG2295242
2,4,6-Trichlorophenol	U		0.0135	0.419	1	05/30/2024 17:46	WG2295242
(S) 2-Fluorophenol	*57.4*			*12.0-120*		*05/30/2024 17:46*	WG2295242
(S) Phenol-d5	*50.6*			*10.0-120*		*05/30/2024 17:46*	WG2295242
(S) Nitrobenzene-d5	*44.3*			*10.0-122*		*05/30/2024 17:46*	WG2295242
(S) 2-Fluorobiphenyl	*49.1*			*15.0-120*		*05/30/2024 17:46*	WG2295242
(S) 2,4,6-Tribromophenol	*42.0*			*10.0-127*		*05/30/2024 17:46*	WG2295242
(S) p-Terphenyl-d14	*62.0*			*10.0-120*		*05/30/2024 17:46*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	06/04/2024 14:49	WG2298380

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nickel	110		0.147	2.23	1	07/01/2024 20:06	WG2315127

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0458	0.0627	1	06/04/2024 19:34	WG2298400
Acrylonitrile	U		0.00453	0.0157	1	06/04/2024 19:34	WG2298400
Benzene	U		0.000586	0.00125	1	06/04/2024 19:34	WG2298400
Bromobenzene	U		0.00113	0.0157	1	06/04/2024 19:34	WG2298400
Bromodichloromethane	U		0.000909	0.00314	1	06/04/2024 19:34	WG2298400
Bromoform	U		0.00147	0.0314	1	06/04/2024 19:34	WG2298400
Bromomethane	U		0.00247	0.0157	1	06/04/2024 19:34	WG2298400
n-Butylbenzene	U		0.00659	0.0157	1	06/04/2024 19:34	WG2298400
sec-Butylbenzene	U		0.00361	0.0157	1	06/04/2024 19:34	WG2298400
tert-Butylbenzene	U		0.00245	0.00627	1	06/04/2024 19:34	WG2298400
Carbon tetrachloride	U		0.00113	0.00627	1	06/04/2024 19:34	WG2298400
Chlorobenzene	U		0.000263	0.00314	1	06/04/2024 19:34	WG2298400
Chlorodibromomethane	U		0.000768	0.00314	1	06/04/2024 19:34	WG2298400
Chloroethane	U		0.00213	0.00627	1	06/04/2024 19:34	WG2298400
Chloroform	U		0.00129	0.00314	1	06/04/2024 19:34	WG2298400
Chloromethane	U		0.00546	0.0157	1	06/04/2024 19:34	WG2298400
2-Chlorotoluene	U		0.00109	0.00314	1	06/04/2024 19:34	WG2298400
4-Chlorotoluene	U		0.000564	0.00627	1	06/04/2024 19:34	WG2298400
1,2-Dibromo-3-Chloropropane	U		0.00489	0.0314	1	06/04/2024 19:34	WG2298400
1,2-Dibromoethane	U		0.000813	0.00314	1	06/04/2024 19:34	WG2298400
Dibromomethane	U		0.000941	0.00627	1	06/04/2024 19:34	WG2298400
1,2-Dichlorobenzene	U		0.000533	0.00627	1	06/04/2024 19:34	WG2298400
1,3-Dichlorobenzene	U		0.000753	0.00627	1	06/04/2024 19:34	WG2298400
1,4-Dichlorobenzene	U		0.000878	0.00627	1	06/04/2024 19:34	WG2298400
Dichlorodifluoromethane	U		0.00202	0.00627	1	06/04/2024 19:34	WG2298400
1,1-Dichloroethane	U		0.000616	0.00314	1	06/04/2024 19:34	WG2298400
1,2-Dichloroethane	U		0.000814	0.00314	1	06/04/2024 19:34	WG2298400
1,1-Dichloroethene	U		0.000760	0.00314	1	06/04/2024 19:34	WG2298400
cis-1,2-Dichloroethene	U		0.000921	0.00314	1	06/04/2024 19:34	WG2298400
trans-1,2-Dichloroethene	U		0.00130	0.00627	1	06/04/2024 19:34	WG2298400
1,2-Dichloropropane	U		0.00178	0.00627	1	06/04/2024 19:34	WG2298400
1,1-Dichloropropene	U		0.00101	0.00314	1	06/04/2024 19:34	WG2298400
1,3-Dichloropropane	U		0.000628	0.00627	1	06/04/2024 19:34	WG2298400
cis-1,3-Dichloropropene	U		0.000950	0.00314	1	06/04/2024 19:34	WG2298400
trans-1,3-Dichloropropene	U		0.00143	0.00627	1	06/04/2024 19:34	WG2298400
2,2-Dichloropropane	U		0.00173	0.00314	1	06/04/2024 19:34	WG2298400
Di-isopropyl ether	U		0.000514	0.00125	1	06/04/2024 19:34	WG2298400
Ethylbenzene	0.00100	J	0.000924	0.00314	1	06/04/2024 19:34	WG2298400
Hexachloro-1,3-butadiene	U		0.00753	0.0314	1	06/04/2024 19:34	WG2298400
Isopropylbenzene	U		0.000533	0.00314	1	06/04/2024 19:34	WG2298400
p-Isopropyltoluene	U		0.00320	0.00627	1	06/04/2024 19:34	WG2298400
2-Butanone (MEK)	U		0.0797	0.125	1	06/04/2024 19:34	WG2298400
Methylene Chloride	U		0.00833	0.0314	1	06/04/2024 19:34	WG2298400
4-Methyl-2-pentanone (MIBK)	U		0.00286	0.0314	1	06/04/2024 19:34	WG2298400
Methyl tert-butyl ether	U		0.000439	0.00125	1	06/04/2024 19:34	WG2298400

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00612	0.0157	1	06/04/2024 19:34	WG2298400
n-Propylbenzene	U		0.00119	0.00627	1	06/04/2024 19:34	WG2298400
Styrene	U		0.000287	0.0157	1	06/04/2024 19:34	WG2298400
1,1,1,2-Tetrachloroethane	U		0.00119	0.00314	1	06/04/2024 19:34	WG2298400
1,1,2,2-Tetrachloroethane	U		0.000872	0.00314	1	06/04/2024 19:34	WG2298400
1,1,2-Trichlorotrifluoroethane	U		0.000946	0.00314	1	06/04/2024 19:34	WG2298400
Tetrachloroethene	U		0.00112	0.00314	1	06/04/2024 19:34	WG2298400
Toluene	U		0.00163	0.00627	1	06/04/2024 19:34	WG2298400
1,2,3-Trichlorobenzene	U		0.00919	0.0157	1	06/04/2024 19:34	WG2298400
1,2,4-Trichlorobenzene	U		0.00552	0.0157	1	06/04/2024 19:34	WG2298400
1,1,1-Trichloroethane	U		0.00116	0.00314	1	06/04/2024 19:34	WG2298400
1,1,2-Trichloroethane	U		0.000749	0.00314	1	06/04/2024 19:34	WG2298400
Trichloroethene	0.00646		0.000733	0.00125	1	06/04/2024 19:34	WG2298400
Trichlorofluoromethane	U		0.00104	0.00314	1	06/04/2024 19:34	WG2298400
1,2,3-Trichloropropane	U		0.00203	0.0157	1	06/04/2024 19:34	WG2298400
1,2,4-Trimethylbenzene	U		0.00198	0.00627	1	06/04/2024 19:34	WG2298400
1,2,3-Trimethylbenzene	U		0.00198	0.00627	1	06/04/2024 19:34	WG2298400
1,3,5-Trimethylbenzene	U		0.00251	0.00627	1	06/04/2024 19:34	WG2298400
Vinyl chloride	U		0.00146	0.00314	1	06/04/2024 19:34	WG2298400
Xylenes, Total	0.00386	J	0.00110	0.00815	1	06/04/2024 19:34	WG2298400
(S) Toluene-d8	*101*			*75.0-131*		*06/04/2024 19:34*	WG2298400
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/04/2024 19:34*	WG2298400
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*06/04/2024 19:34*	WG2298400

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.1		1	05/29/2024 15:10	WG2294985

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.42	4.26	25	05/29/2024 17:43	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*77.0-120*		*05/29/2024 17:43*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0621	0.0851	1	05/30/2024 00:36	WG2295165
Acrylonitrile	U		0.00614	0.0213	1	05/30/2024 00:36	WG2295165
Benzene	U		0.000795	0.00170	1	05/30/2024 00:36	WG2295165
Bromobenzene	U		0.00153	0.0213	1	05/30/2024 00:36	WG2295165
Bromodichloromethane	U		0.00123	0.00425	1	05/30/2024 00:36	WG2295165
Bromoform	U		0.00199	0.0425	1	05/30/2024 00:36	WG2295165
Bromomethane	U		0.00335	0.0213	1	05/30/2024 00:36	WG2295165
n-Butylbenzene	U		0.00894	0.0213	1	05/30/2024 00:36	WG2295165
sec-Butylbenzene	U		0.00490	0.0213	1	05/30/2024 00:36	WG2295165
tert-Butylbenzene	U		0.00332	0.00851	1	05/30/2024 00:36	WG2295165
Carbon tetrachloride	U		0.00153	0.00851	1	05/30/2024 00:36	WG2295165
Chlorobenzene	U		0.000357	0.00425	1	05/30/2024 00:36	WG2295165
Chlorodibromomethane	U		0.00104	0.00425	1	05/30/2024 00:36	WG2295165
Chloroethane	U		0.00289	0.00851	1	05/30/2024 00:36	WG2295165
Chloroform	U		0.00175	0.00425	1	05/30/2024 00:36	WG2295165
Chloromethane	U		0.00740	0.0213	1	05/30/2024 00:36	WG2295165
2-Chlorotoluene	U		0.00147	0.00425	1	05/30/2024 00:36	WG2295165
4-Chlorotoluene	U		0.000766	0.00851	1	05/30/2024 00:36	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00664	0.0425	1	05/30/2024 00:36	WG2295165
1,2-Dibromoethane	U		0.00110	0.00425	1	05/30/2024 00:36	WG2295165
Dibromomethane	U		0.00128	0.00851	1	05/30/2024 00:36	WG2295165
1,2-Dichlorobenzene	U		0.000723	0.00851	1	05/30/2024 00:36	WG2295165
1,3-Dichlorobenzene	U		0.00102	0.00851	1	05/30/2024 00:36	WG2295165
1,4-Dichlorobenzene	U		0.00119	0.00851	1	05/30/2024 00:36	WG2295165
Dichlorodifluoromethane	U		0.00274	0.00851	1	05/30/2024 00:36	WG2295165
1,1-Dichloroethane	U		0.000836	0.00425	1	05/30/2024 00:36	WG2295165
1,2-Dichloroethane	U		0.00110	0.00425	1	05/30/2024 00:36	WG2295165
1,1-Dichloroethene	U		0.00103	0.00425	1	05/30/2024 00:36	WG2295165
cis-1,2-Dichloroethene	U		0.00125	0.00425	1	05/30/2024 00:36	WG2295165
trans-1,2-Dichloroethene	U		0.00177	0.00851	1	05/30/2024 00:36	WG2295165
1,2-Dichloropropane	U		0.00242	0.00851	1	05/30/2024 00:36	WG2295165
1,1-Dichloropropene	U		0.00138	0.00425	1	05/30/2024 00:36	WG2295165
1,3-Dichloropropane	U		0.000853	0.00851	1	05/30/2024 00:36	WG2295165
cis-1,3-Dichloropropene	U		0.00129	0.00425	1	05/30/2024 00:36	WG2295165
trans-1,3-Dichloropropene	U		0.00194	0.00851	1	05/30/2024 00:36	WG2295165
2,2-Dichloropropane	U		0.00235	0.00425	1	05/30/2024 00:36	WG2295165
Di-isopropyl ether	U		0.000698	0.00170	1	05/30/2024 00:36	WG2295165
Ethylbenzene	U		0.00125	0.00425	1	05/30/2024 00:36	WG2295165
Hexachloro-1,3-butadiene	U		0.0102	0.0425	1	05/30/2024 00:36	WG2295165
Isopropylbenzene	U		0.000723	0.00425	1	05/30/2024 00:36	WG2295165
p-Isopropyltoluene	U		0.00434	0.00851	1	05/30/2024 00:36	WG2295165
2-Butanone (MEK)	U		0.108	0.170	1	05/30/2024 00:36	WG2295165
Methylene Chloride	U		0.0113	0.0425	1	05/30/2024 00:36	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00388	0.0425	1	05/30/2024 00:36	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000596	0.00170	1	05/30/2024 00:36	WG2295165
Naphthalene	U		0.00831	0.0213	1	05/30/2024 00:36	WG2295165
n-Propylbenzene	U		0.00162	0.00851	1	05/30/2024 00:36	WG2295165
Styrene	U		0.000390	0.0213	1	05/30/2024 00:36	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00161	0.00425	1	05/30/2024 00:36	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00118	0.00425	1	05/30/2024 00:36	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00128	0.00425	1	05/30/2024 00:36	WG2295165
Tetrachloroethene	U		0.00152	0.00425	1	05/30/2024 00:36	WG2295165
Toluene	U		0.00221	0.00851	1	05/30/2024 00:36	WG2295165
1,2,3-Trichlorobenzene	U		0.0125	0.0213	1	05/30/2024 00:36	WG2295165
1,2,4-Trichlorobenzene	U		0.00749	0.0213	1	05/30/2024 00:36	WG2295165
1,1,1-Trichloroethane	U		0.00157	0.00425	1	05/30/2024 00:36	WG2295165
1,1,2-Trichloroethane	U		0.00102	0.00425	1	05/30/2024 00:36	WG2295165
Trichloroethene	U		0.000994	0.00170	1	05/30/2024 00:36	WG2295165
Trichlorofluoromethane	U		0.00141	0.00425	1	05/30/2024 00:36	WG2295165
1,2,3-Trichloropropane	U		0.00276	0.0213	1	05/30/2024 00:36	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00269	0.00851	1	05/30/2024 00:36	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00269	0.00851	1	05/30/2024 00:36	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00340	0.00851	1	05/30/2024 00:36	WG2295165
Vinyl chloride	U		0.00197	0.00425	1	05/30/2024 00:36	WG2295165
Xylenes, Total	U		0.00150	0.0111	1	05/30/2024 00:36	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2024 00:36*	WG2295165
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*05/30/2024 00:36*	WG2295165
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*05/30/2024 00:36*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.23	J	0.964	5.26	1	05/30/2024 16:18	WG2295238
C22-C32 Hydrocarbons	4.89	J	1.75	5.26	1	05/30/2024 16:18	WG2295238
C32-C40 Hydrocarbons	5.11	J	1.75	5.26	1	05/30/2024 16:18	WG2295238
(S) o-Terphenyl	*29.3*			*18.0-148*		*05/30/2024 16:18*	WG2295238

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	05/24/2024 09:20	WG2292490

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.30	B J	1.28	3.87	25	05/26/2024 04:38	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*		*05/26/2024 04:38*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0565	0.0774	1	05/25/2024 20:45	WG2293082
Acrylonitrile	U		0.00559	0.0194	1	05/25/2024 20:45	WG2293082
Benzene	U		0.000723	0.00155	1	05/25/2024 20:45	WG2293082
Bromobenzene	U		0.00139	0.0194	1	05/25/2024 20:45	WG2293082
Bromodichloromethane	U		0.00112	0.00387	1	05/25/2024 20:45	WG2293082
Bromoform	U		0.00181	0.0387	1	05/25/2024 20:45	WG2293082
Bromomethane	U		0.00305	0.0194	1	05/25/2024 20:45	WG2293082
n-Butylbenzene	U		0.00813	0.0194	1	05/25/2024 20:45	WG2293082
sec-Butylbenzene	U		0.00446	0.0194	1	05/25/2024 20:45	WG2293082
tert-Butylbenzene	U		0.00302	0.00774	1	05/25/2024 20:45	WG2293082
Carbon tetrachloride	U		0.00139	0.00774	1	05/25/2024 20:45	WG2293082
Chlorobenzene	U		0.000325	0.00387	1	05/25/2024 20:45	WG2293082
Chlorodibromomethane	U		0.000947	0.00387	1	05/25/2024 20:45	WG2293082
Chloroethane	U		0.00263	0.00774	1	05/25/2024 20:45	WG2293082
Chloroform	U		0.00159	0.00387	1	05/25/2024 20:45	WG2293082
Chloromethane	U		0.00673	0.0194	1	05/25/2024 20:45	WG2293082
2-Chlorotoluene	U		0.00134	0.00387	1	05/25/2024 20:45	WG2293082
4-Chlorotoluene	U		0.000697	0.00774	1	05/25/2024 20:45	WG2293082
1,2-Dibromo-3-Chloropropane	U		0.00604	0.0387	1	05/25/2024 20:45	WG2293082
1,2-Dibromoethane	U		0.00100	0.00387	1	05/25/2024 20:45	WG2293082
Dibromomethane	U		0.00116	0.00774	1	05/25/2024 20:45	WG2293082
1,2-Dichlorobenzene	U		0.000658	0.00774	1	05/25/2024 20:45	WG2293082
1,3-Dichlorobenzene	U		0.000929	0.00774	1	05/25/2024 20:45	WG2293082
1,4-Dichlorobenzene	U		0.00108	0.00774	1	05/25/2024 20:45	WG2293082
Dichlorodifluoromethane	U		0.00249	0.00774	1	05/25/2024 20:45	WG2293082
1,1-Dichloroethane	U		0.000760	0.00387	1	05/25/2024 20:45	WG2293082
1,2-Dichloroethane	U		0.00100	0.00387	1	05/25/2024 20:45	WG2293082
1,1-Dichloroethene	U		0.000938	0.00387	1	05/25/2024 20:45	WG2293082
cis-1,2-Dichloroethene	U		0.00114	0.00387	1	05/25/2024 20:45	WG2293082
trans-1,2-Dichloroethene	U		0.00161	0.00774	1	05/25/2024 20:45	WG2293082
1,2-Dichloropropane	U	J4	0.00220	0.00774	1	05/25/2024 20:45	WG2293082
1,1-Dichloropropene	U		0.00125	0.00387	1	05/25/2024 20:45	WG2293082
1,3-Dichloropropane	U		0.000776	0.00774	1	05/25/2024 20:45	WG2293082
cis-1,3-Dichloropropene	U		0.00117	0.00387	1	05/25/2024 20:45	WG2293082
trans-1,3-Dichloropropene	U		0.00176	0.00774	1	05/25/2024 20:45	WG2293082
2,2-Dichloropropane	U		0.00214	0.00387	1	05/25/2024 20:45	WG2293082
Di-isopropyl ether	U		0.000635	0.00155	1	05/25/2024 20:45	WG2293082
Ethylbenzene	U		0.00114	0.00387	1	05/25/2024 20:45	WG2293082
Hexachloro-1,3-butadiene	U		0.00929	0.0387	1	05/25/2024 20:45	WG2293082
Isopropylbenzene	U		0.000658	0.00387	1	05/25/2024 20:45	WG2293082
p-Isopropyltoluene	U		0.00395	0.00774	1	05/25/2024 20:45	WG2293082
2-Butanone (MEK)	U	J4	0.0983	0.155	1	05/25/2024 20:45	WG2293082
Methylene Chloride	U		0.0103	0.0387	1	05/25/2024 20:45	WG2293082
4-Methyl-2-pentanone (MIBK)	U		0.00353	0.0387	1	05/25/2024 20:45	WG2293082

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000542	0.00155	1	05/25/2024 20:45	WG2293082
Naphthalene	U		0.00755	0.0194	1	05/25/2024 20:45	WG2293082
n-Propylbenzene	U		0.00147	0.00774	1	05/25/2024 20:45	WG2293082
Styrene	U		0.000355	0.0194	1	05/25/2024 20:45	WG2293082
1,1,1,2-Tetrachloroethane	U		0.00147	0.00387	1	05/25/2024 20:45	WG2293082
1,1,2,2-Tetrachloroethane	U		0.00108	0.00387	1	05/25/2024 20:45	WG2293082
1,1,2-Trichlorotrifluoroethane	U		0.00117	0.00387	1	05/25/2024 20:45	WG2293082
Tetrachloroethene	U		0.00139	0.00387	1	05/25/2024 20:45	WG2293082
Toluene	U		0.00201	0.00774	1	05/25/2024 20:45	WG2293082
1,2,3-Trichlorobenzene	U		0.0113	0.0194	1	05/25/2024 20:45	WG2293082
1,2,4-Trichlorobenzene	U		0.00681	0.0194	1	05/25/2024 20:45	WG2293082
1,1,1-Trichloroethane	U		0.00143	0.00387	1	05/25/2024 20:45	WG2293082
1,1,2-Trichloroethane	U		0.000924	0.00387	1	05/25/2024 20:45	WG2293082
Trichloroethene	U		0.000904	0.00155	1	05/25/2024 20:45	WG2293082
Trichlorofluoromethane	U	J4	0.00128	0.00387	1	05/25/2024 20:45	WG2293082
1,2,3-Trichloropropane	U		0.00251	0.0194	1	05/25/2024 20:45	WG2293082
1,2,4-Trimethylbenzene	U		0.00245	0.00774	1	05/25/2024 20:45	WG2293082
1,2,3-Trimethylbenzene	U		0.00245	0.00774	1	05/25/2024 20:45	WG2293082
1,3,5-Trimethylbenzene	U		0.00310	0.00774	1	05/25/2024 20:45	WG2293082
Vinyl chloride	U		0.00180	0.00387	1	05/25/2024 20:45	WG2293082
Xylenes, Total	U		0.00136	0.0101	1	05/25/2024 20:45	WG2293082
(S) Toluene-d8	*93.4*			*75.0-131*		*05/25/2024 20:45*	WG2293082
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*05/25/2024 20:45*	WG2293082
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/25/2024 20:45*	WG2293082

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.905	4.94	1	05/24/2024 19:00	WG2292509
C22-C32 Hydrocarbons	U		1.64	4.94	1	05/24/2024 19:00	WG2292509
C32-C40 Hydrocarbons	U		1.64	4.94	1	05/24/2024 19:00	WG2292509
(S) o-Terphenyl	*74.4*			*18.0-148*		*05/24/2024 19:00*	WG2292509

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/30/2024 10:36	WG2295042
Acrolein	U		2.54	50.0	1	05/30/2024 10:36	WG2295042
Acrylonitrile	U		0.671	10.0	1	05/30/2024 10:36	WG2295042
Benzene	U		0.0941	1.00	1	05/30/2024 10:36	WG2295042
Bromobenzene	U		0.118	1.00	1	05/30/2024 10:36	WG2295042
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 10:36	WG2295042
Bromoform	U		0.129	1.00	1	05/30/2024 10:36	WG2295042
Bromomethane	U		0.605	5.00	1	05/30/2024 10:36	WG2295042
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 10:36	WG2295042
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 10:36	WG2295042
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 10:36	WG2295042
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 10:36	WG2295042
Chlorobenzene	U		0.116	1.00	1	05/30/2024 10:36	WG2295042
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 10:36	WG2295042
Chloroethane	U		0.192	5.00	1	05/30/2024 10:36	WG2295042
Chloroform	U		0.111	5.00	1	05/30/2024 10:36	WG2295042
Chloromethane	U		0.960	2.50	1	05/30/2024 10:36	WG2295042
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 10:36	WG2295042
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 10:36	WG2295042
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 10:36	WG2295042
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 10:36	WG2295042
Dibromomethane	U		0.122	1.00	1	05/30/2024 10:36	WG2295042
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 10:36	WG2295042
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 10:36	WG2295042
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 10:36	WG2295042
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 10:36	WG2295042
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 10:36	WG2295042
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 10:36	WG2295042
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 10:36	WG2295042
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/30/2024 10:36	WG2295042
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 10:36	WG2295042
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 10:36	WG2295042
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 10:36	WG2295042
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 10:36	WG2295042
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 10:36	WG2295042
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 10:36	WG2295042
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 10:36	WG2295042
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 10:36	WG2295042
Ethylbenzene	U		0.137	1.00	1	05/30/2024 10:36	WG2295042
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 10:36	WG2295042
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 10:36	WG2295042
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 10:36	WG2295042
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 10:36	WG2295042
Methylene Chloride	U		0.430	5.00	1	05/30/2024 10:36	WG2295042
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 10:36	WG2295042
Methyl tert-butyl ether	U		0.101	1.00	1	05/30/2024 10:36	WG2295042
Naphthalene	U		1.00	5.00	1	05/30/2024 10:36	WG2295042
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 10:36	WG2295042
Styrene	U		0.118	1.00	1	05/30/2024 10:36	WG2295042
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 10:36	WG2295042
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 10:36	WG2295042
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 10:36	WG2295042
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 10:36	WG2295042
Toluene	U		0.278	1.00	1	05/30/2024 10:36	WG2295042
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 10:36	WG2295042
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 10:36	WG2295042

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 10:36	WG2295042
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 10:36	WG2295042
Trichloroethene	U		0.190	1.00	1	05/30/2024 10:36	WG2295042
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 10:36	WG2295042
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 10:36	WG2295042
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 10:36	WG2295042
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 10:36	WG2295042
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 10:36	WG2295042
Vinyl chloride	U		0.234	1.00	1	05/30/2024 10:36	WG2295042
Xylenes, Total	U		0.174	3.00	1	05/30/2024 10:36	WG2295042
(S) Toluene-d8	*108*			*80.0-120*		*05/30/2024 10:36*	WG2295042
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*05/30/2024 10:36*	WG2295042
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/30/2024 10:36*	WG2295042

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	05/29/2024 15:10	WG2294985

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.133		0.0194	0.0432	1	05/29/2024 22:07	WG2295049

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.840	J	0.588	2.16	1	05/31/2024 18:23	WG2295058
Arsenic	4.02		0.560	2.16	1	05/31/2024 18:23	WG2295058
Barium	139		0.0920	0.540	1	05/31/2024 18:23	WG2295058
Beryllium	0.173	J	0.0340	0.216	1	05/31/2024 18:23	WG2295058
Cadmium	0.140	J	0.0509	0.540	1	05/31/2024 18:23	WG2295058
Chromium	21.7		0.144	1.08	1	05/31/2024 18:23	WG2295058
Cobalt	7.77		0.0876	1.08	1	05/31/2024 18:23	WG2295058
Copper	20.6		0.432	2.16	1	05/31/2024 18:23	WG2295058
Lead	42.3		0.225	0.540	1	05/31/2024 18:23	WG2295058
Molybdenum	0.565		0.118	0.540	1	05/31/2024 18:23	WG2295058
Nickel	26.1		0.143	2.16	1	05/31/2024 18:23	WG2295058
Selenium	U		0.825	2.16	1	05/31/2024 18:23	WG2295058
Silver	U		0.137	1.08	1	05/31/2024 18:23	WG2295058
Thallium	1.82	J	0.426	2.16	1	05/31/2024 18:23	WG2295058
Vanadium	30.5		0.547	2.16	1	05/31/2024 18:23	WG2295058
Zinc	66.7		0.899	5.40	1	05/31/2024 18:23	WG2295058

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0367	1	05/31/2024 03:21	WG2295241
PCB 1221	U		0.0127	0.0367	1	05/31/2024 03:21	WG2295241
PCB 1232	U		0.0127	0.0367	1	05/31/2024 03:21	WG2295241
PCB 1242	U		0.0127	0.0367	1	05/31/2024 03:21	WG2295241
PCB 1248	U		0.00797	0.0184	1	05/31/2024 03:21	WG2295241
PCB 1254	U		0.00797	0.0184	1	05/31/2024 03:21	WG2295241
PCB 1260	U		0.00797	0.0184	1	05/31/2024 03:21	WG2295241
(S) Decachlorobiphenyl	*66.6*			*10.0-135*		*05/31/2024 03:21*	WG2295241
(S) Tetrachloro-m-xylene	*69.5*			*10.0-139*		*05/31/2024 03:21*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0117	0.0720	2	05/31/2024 08:33	WG2295242
Acenaphthylene	U		0.0101	0.0720	2	05/31/2024 08:33	WG2295242
Anthracene	U		0.0129	0.0720	2	05/31/2024 08:33	WG2295242
Benzidine	U		0.135	3.61	2	05/31/2024 08:33	WG2295242
Benzo(a)anthracene	0.0540	J	0.0126	0.0720	2	05/31/2024 08:33	WG2295242
Benzo(b)fluoranthene	0.107		0.0134	0.0720	2	05/31/2024 08:33	WG2295242
Benzo(k)fluoranthene	0.0379	J	0.0127	0.0720	2	05/31/2024 08:33	WG2295242
Benzo(g,h,i)perylene	0.0455	J	0.0132	0.0720	2	05/31/2024 08:33	WG2295242
Benzo(a)pyrene	0.0788		0.0134	0.0720	2	05/31/2024 08:33	WG2295242
Bis(2-chlorethoxy)methane	U		0.0216	0.720	2	05/31/2024 08:33	WG2295242
Bis(2-chloroethyl)ether	U		0.0238	0.720	2	05/31/2024 08:33	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0311	0.720	2	05/31/2024 08:33	WG2295242
4-Bromophenyl-phenylether	U		0.0253	0.720	2	05/31/2024 08:33	WG2295242
2-Chloronaphthalene	U		0.0126	0.0720	2	05/31/2024 08:33	WG2295242
4-Chlorophenyl-phenylether	U		0.0251	0.720	2	05/31/2024 08:33	WG2295242
Chrysene	0.0757		0.0143	0.0720	2	05/31/2024 08:33	WG2295242
Dibenz(a,h)anthracene	U		0.0200	0.0720	2	05/31/2024 08:33	WG2295242
1,2-Dichlorobenzene	U		0.0213	0.720	2	05/31/2024 08:33	WG2295242
1,3-Dichlorobenzene	U		0.0218	0.720	2	05/31/2024 08:33	WG2295242
1,4-Dichlorobenzene	U		0.0214	0.720	2	05/31/2024 08:33	WG2295242
3,3-Dichlorobenzidine	U		0.0266	0.720	2	05/31/2024 08:33	WG2295242
2,4-Dinitrotoluene	U		0.0206	0.720	2	05/31/2024 08:33	WG2295242
2,6-Dinitrotoluene	U		0.0236	0.720	2	05/31/2024 08:33	WG2295242
Fluoranthene	0.0908		0.0130	0.0720	2	05/31/2024 08:33	WG2295242
Fluorene	U		0.0117	0.0720	2	05/31/2024 08:33	WG2295242
Hexachlorobenzene	U		0.0255	0.720	2	05/31/2024 08:33	WG2295242
Hexachloro-1,3-butadiene	U		0.0242	0.720	2	05/31/2024 08:33	WG2295242
Hexachlorocyclopentadiene	U		0.0378	0.720	2	05/31/2024 08:33	WG2295242
Hexachloroethane	U		0.0283	0.720	2	05/31/2024 08:33	WG2295242
Indeno(1,2,3-cd)pyrene	0.0367	J	0.0203	0.0720	2	05/31/2024 08:33	WG2295242
Isophorone	U		0.0220	0.720	2	05/31/2024 08:33	WG2295242
Naphthalene	U		0.0180	0.0720	2	05/31/2024 08:33	WG2295242
Nitrobenzene	U		0.0251	0.720	2	05/31/2024 08:33	WG2295242
n-Nitrosodimethylamine	U		0.107	0.720	2	05/31/2024 08:33	WG2295242
n-Nitrosodiphenylamine	U		0.0545	0.720	2	05/31/2024 08:33	WG2295242
n-Nitrosodi-n-propylamine	U		0.0240	0.720	2	05/31/2024 08:33	WG2295242
Phenanthrene	0.0305	J	0.0143	0.0720	2	05/31/2024 08:33	WG2295242
Benzylbutyl phthalate	U		0.0225	0.720	2	05/31/2024 08:33	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0912	0.720	2	05/31/2024 08:33	WG2295242
Di-n-butyl phthalate	U		0.0246	0.720	2	05/31/2024 08:33	WG2295242
Diethyl phthalate	U		0.0238	0.720	2	05/31/2024 08:33	WG2295242
Dimethyl phthalate	U		0.152	0.720	2	05/31/2024 08:33	WG2295242
Di-n-octyl phthalate	U		0.0486	0.720	2	05/31/2024 08:33	WG2295242
Pyrene	0.112		0.0140	0.0720	2	05/31/2024 08:33	WG2295242
1,2,4-Trichlorobenzene	U		0.0225	0.720	2	05/31/2024 08:33	WG2295242
4-Chloro-3-methylphenol	U		0.0233	0.720	2	05/31/2024 08:33	WG2295242
2-Chlorophenol	U		0.0238	0.720	2	05/31/2024 08:33	WG2295242
2,4-Dichlorophenol	U		0.0210	0.720	2	05/31/2024 08:33	WG2295242
2,4-Dimethylphenol	U		0.0188	0.720	2	05/31/2024 08:33	WG2295242
4,6-Dinitro-2-methylphenol	U		0.163	0.720	2	05/31/2024 08:33	WG2295242
2,4-Dinitrophenol	U		0.169	0.720	2	05/31/2024 08:33	WG2295242
2-Nitrophenol	U		0.0257	0.720	2	05/31/2024 08:33	WG2295242
4-Nitrophenol	U		0.0225	0.720	2	05/31/2024 08:33	WG2295242
Pentachlorophenol	U		0.0193	0.720	2	05/31/2024 08:33	WG2295242
Phenol	U		0.0290	0.720	2	05/31/2024 08:33	WG2295242
2,4,6-Trichlorophenol	U		0.0231	0.720	2	05/31/2024 08:33	WG2295242
(S) 2-Fluorophenol	*74.7*			*12.0-120*		*05/31/2024 08:33*	WG2295242
(S) Phenol-d5	*69.1*			*10.0-120*		*05/31/2024 08:33*	WG2295242
(S) Nitrobenzene-d5	*58.7*			*10.0-122*		*05/31/2024 08:33*	WG2295242
(S) 2-Fluorobiphenyl	*65.4*			*15.0-120*		*05/31/2024 08:33*	WG2295242
(S) 2,4,6-Tribromophenol	*52.0*			*10.0-127*		*05/31/2024 08:33*	WG2295242
(S) p-Terphenyl-d14	*78.3*			*10.0-120*		*05/31/2024 08:33*	WG2295242

Sample Narrative:

L1739342-20 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	05/29/2024 15:10	WG2294985

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.199		0.0193	0.0428	1	05/29/2024 22:14	WG2295049

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.40	J	0.582	2.14	1	05/31/2024 18:25	WG2295058
Arsenic	5.66		0.555	2.14	1	05/31/2024 18:25	WG2295058
Barium	90.3		0.0912	0.535	1	05/31/2024 18:25	WG2295058
Beryllium	0.170	J	0.0337	0.214	1	05/31/2024 18:25	WG2295058
Cadmium	0.170	J	0.0504	0.535	1	05/31/2024 18:25	WG2295058
Chromium	27.1		0.142	1.07	1	05/31/2024 18:25	WG2295058
Cobalt	11.7		0.0868	1.07	1	05/31/2024 18:25	WG2295058
Copper	27.4		0.428	2.14	1	05/31/2024 18:25	WG2295058
Lead	57.4		0.223	0.535	1	05/31/2024 18:25	WG2295058
Molybdenum	U		0.117	0.535	1	05/31/2024 18:25	WG2295058
Nickel	41.6		0.141	2.14	1	05/31/2024 18:25	WG2295058
Selenium	U		0.818	2.14	1	05/31/2024 18:25	WG2295058
Silver	U		0.136	1.07	1	06/13/2024 11:00	WG2303292
Thallium	1.49	J	0.422	2.14	1	05/31/2024 18:25	WG2295058
Vanadium	38.7		0.542	2.14	1	05/31/2024 18:25	WG2295058
Zinc	92.0		0.891	5.35	1	05/31/2024 18:25	WG2295058

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0425	0.0583	1	05/30/2024 00:56	WG2295165
Acrylonitrile	U		0.00421	0.0146	1	05/30/2024 00:56	WG2295165
Benzene	U		0.000544	0.00117	1	05/30/2024 00:56	WG2295165
Bromobenzene	U		0.00105	0.0146	1	05/30/2024 00:56	WG2295165
Bromodichloromethane	U		0.000845	0.00291	1	05/30/2024 00:56	WG2295165
Bromoform	U		0.00136	0.0291	1	05/30/2024 00:56	WG2295165
Bromomethane	U		0.00230	0.0146	1	05/30/2024 00:56	WG2295165
n-Butylbenzene	U		0.00612	0.0146	1	05/30/2024 00:56	WG2295165
sec-Butylbenzene	U		0.00336	0.0146	1	05/30/2024 00:56	WG2295165
tert-Butylbenzene	U		0.00227	0.00583	1	05/30/2024 00:56	WG2295165
Carbon tetrachloride	U		0.00105	0.00583	1	05/30/2024 00:56	WG2295165
Chlorobenzene	U		0.000245	0.00291	1	05/30/2024 00:56	WG2295165
Chlorodibromomethane	U		0.000713	0.00291	1	05/30/2024 00:56	WG2295165
Chloroethane	U		0.00198	0.00583	1	05/30/2024 00:56	WG2295165
Chloroform	U		0.00120	0.00291	1	05/30/2024 00:56	WG2295165
Chloromethane	U		0.00507	0.0146	1	05/30/2024 00:56	WG2295165
2-Chlorotoluene	U		0.00101	0.00291	1	05/30/2024 00:56	WG2295165
4-Chlorotoluene	U		0.000525	0.00583	1	05/30/2024 00:56	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00455	0.0291	1	05/30/2024 00:56	WG2295165
1,2-Dibromoethane	U		0.000755	0.00291	1	05/30/2024 00:56	WG2295165
Dibromomethane	U		0.000874	0.00583	1	05/30/2024 00:56	WG2295165
1,2-Dichlorobenzene	U		0.000495	0.00583	1	05/30/2024 00:56	WG2295165
1,3-Dichlorobenzene	U		0.000699	0.00583	1	05/30/2024 00:56	WG2295165
1,4-Dichlorobenzene	U		0.000816	0.00583	1	05/30/2024 00:56	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00188	0.00583	1	05/30/2024 00:56	WG2295165
1,1-Dichloroethane	U		0.000572	0.00291	1	05/30/2024 00:56	WG2295165
1,2-Dichloroethane	U		0.000757	0.00291	1	05/30/2024 00:56	WG2295165
1,1-Dichloroethene	U		0.000706	0.00291	1	05/30/2024 00:56	WG2295165
cis-1,2-Dichloroethene	U		0.000856	0.00291	1	05/30/2024 00:56	WG2295165
trans-1,2-Dichloroethene	U		0.00121	0.00583	1	05/30/2024 00:56	WG2295165
1,2-Dichloropropane	U		0.00166	0.00583	1	05/30/2024 00:56	WG2295165
1,1-Dichloropropene	U		0.000943	0.00291	1	05/30/2024 00:56	WG2295165
1,3-Dichloropropane	U		0.000584	0.00583	1	05/30/2024 00:56	WG2295165
cis-1,3-Dichloropropene	U		0.000882	0.00291	1	05/30/2024 00:56	WG2295165
trans-1,3-Dichloropropene	U		0.00133	0.00583	1	05/30/2024 00:56	WG2295165
2,2-Dichloropropane	U		0.00161	0.00291	1	05/30/2024 00:56	WG2295165
Di-isopropyl ether	U		0.000478	0.00117	1	05/30/2024 00:56	WG2295165
Ethylbenzene	U		0.000859	0.00291	1	05/30/2024 00:56	WG2295165
Hexachloro-1,3-butadiene	U		0.00699	0.0291	1	05/30/2024 00:56	WG2295165
Isopropylbenzene	U		0.000495	0.00291	1	05/30/2024 00:56	WG2295165
p-Isopropyltoluene	U		0.00297	0.00583	1	05/30/2024 00:56	WG2295165
2-Butanone (MEK)	U		0.0740	0.117	1	05/30/2024 00:56	WG2295165
Methylene Chloride	0.00840	J	0.00774	0.0291	1	05/30/2024 00:56	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00266	0.0291	1	05/30/2024 00:56	WG2295165
Methyl tert-butyl ether	U		0.000408	0.00117	1	05/30/2024 00:56	WG2295165
Naphthalene	U		0.00569	0.0146	1	05/30/2024 00:56	WG2295165
n-Propylbenzene	U		0.00111	0.00583	1	05/30/2024 00:56	WG2295165
Styrene	U		0.000267	0.0146	1	05/30/2024 00:56	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00111	0.00291	1	05/30/2024 00:56	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000810	0.00291	1	05/30/2024 00:56	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000879	0.00291	1	05/30/2024 00:56	WG2295165
Tetrachloroethene	U		0.00104	0.00291	1	05/30/2024 00:56	WG2295165
Toluene	U		0.00152	0.00583	1	05/30/2024 00:56	WG2295165
1,2,3-Trichlorobenzene	U		0.00854	0.0146	1	05/30/2024 00:56	WG2295165
1,2,4-Trichlorobenzene	U		0.00513	0.0146	1	05/30/2024 00:56	WG2295165
1,1,1-Trichloroethane	U		0.00108	0.00291	1	05/30/2024 00:56	WG2295165
1,1,2-Trichloroethane	U		0.000696	0.00291	1	05/30/2024 00:56	WG2295165
Trichloroethene	U		0.000681	0.00117	1	05/30/2024 00:56	WG2295165
Trichlorofluoromethane	U		0.000964	0.00291	1	05/30/2024 00:56	WG2295165
1,2,3-Trichloropropane	U		0.00189	0.0146	1	05/30/2024 00:56	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00184	0.00583	1	05/30/2024 00:56	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00184	0.00583	1	05/30/2024 00:56	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00233	0.00583	1	05/30/2024 00:56	WG2295165
Vinyl chloride	U		0.00135	0.00291	1	05/30/2024 00:56	WG2295165
Xylenes, Total	0.00112	J	0.00103	0.00758	1	05/30/2024 00:56	WG2295165
(S) Toluene-d8	*107*			*75.0-131*		*05/30/2024 00:56*	WG2295165
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*05/30/2024 00:56*	WG2295165
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*05/30/2024 00:56*	WG2295165

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00577	0.0357	1	05/30/2024 19:50	WG2295242
Acenaphthylene	U		0.00502	0.0357	1	05/30/2024 19:50	WG2295242
Anthracene	U		0.00635	0.0357	1	05/30/2024 19:50	WG2295242
Benzidine	U		0.0670	1.79	1	05/30/2024 19:50	WG2295242
Benzo(a)anthracene	0.00853	J	0.00628	0.0357	1	05/30/2024 19:50	WG2295242
Benzo(b)fluoranthene	0.0357	J	0.00665	0.0357	1	05/30/2024 19:50	WG2295242
Benzo(k)fluoranthene	0.00918	J	0.00634	0.0357	1	05/30/2024 19:50	WG2295242
Benzo(g,h,i)perylene	0.0337	J	0.00652	0.0357	1	05/30/2024 19:50	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0154	J	0.00663	0.0357	1	05/30/2024 19:50	WG2295242
Bis(2-chlorethoxy)methane	U		0.0107	0.357	1	05/30/2024 19:50	WG2295242
Bis(2-chloroethyl)ether	U		0.0118	0.357	1	05/30/2024 19:50	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0154	0.357	1	05/30/2024 19:50	WG2295242
4-Bromophenyl-phenylether	U		0.0125	0.357	1	05/30/2024 19:50	WG2295242
2-Chloronaphthalene	U		0.00626	0.0357	1	05/30/2024 19:50	WG2295242
4-Chlorophenyl-phenylether	U		0.0124	0.357	1	05/30/2024 19:50	WG2295242
Chrysene	0.0111	J	0.00709	0.0357	1	05/30/2024 19:50	WG2295242
Dibenz(a,h)anthracene	U		0.00988	0.0357	1	05/30/2024 19:50	WG2295242
1,2-Dichlorobenzene	U		0.0106	0.357	1	05/30/2024 19:50	WG2295242
1,3-Dichlorobenzene	U		0.0108	0.357	1	05/30/2024 19:50	WG2295242
1,4-Dichlorobenzene	U		0.0106	0.357	1	05/30/2024 19:50	WG2295242
3,3-Dichlorobenzidine	U		0.0132	0.357	1	05/30/2024 19:50	WG2295242
2,4-Dinitrotoluene	U		0.0102	0.357	1	05/30/2024 19:50	WG2295242
2,6-Dinitrotoluene	U		0.0117	0.357	1	05/30/2024 19:50	WG2295242
Fluoranthene	0.0124	J	0.00643	0.0357	1	05/30/2024 19:50	WG2295242
Fluorene	U		0.00580	0.0357	1	05/30/2024 19:50	WG2295242
Hexachlorobenzene	U		0.0126	0.357	1	05/30/2024 19:50	WG2295242
Hexachloro-1,3-butadiene	U		0.0120	0.357	1	05/30/2024 19:50	WG2295242
Hexachlorocyclopentadiene	U		0.0187	0.357	1	05/30/2024 19:50	WG2295242
Hexachloroethane	U		0.0140	0.357	1	05/30/2024 19:50	WG2295242
Indeno(1,2,3-cd)pyrene	0.0258	J	0.0101	0.0357	1	05/30/2024 19:50	WG2295242
Isophorone	U		0.0109	0.357	1	05/30/2024 19:50	WG2295242
Naphthalene	U		0.00895	0.0357	1	05/30/2024 19:50	WG2295242
Nitrobenzene	U		0.0124	0.357	1	05/30/2024 19:50	WG2295242
n-Nitrosodimethylamine	U		0.0529	0.357	1	05/30/2024 19:50	WG2295242
n-Nitrosodiphenylamine	U		0.0270	0.357	1	05/30/2024 19:50	WG2295242
n-Nitrosodi-n-propylamine	U		0.0119	0.357	1	05/30/2024 19:50	WG2295242
Phenanthrene	U		0.00708	0.0357	1	05/30/2024 19:50	WG2295242
Benzylbutyl phthalate	U		0.0111	0.357	1	05/30/2024 19:50	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0452	0.357	1	05/30/2024 19:50	WG2295242
Di-n-butyl phthalate	U		0.0122	0.357	1	05/30/2024 19:50	WG2295242
Diethyl phthalate	U		0.0118	0.357	1	05/30/2024 19:50	WG2295242
Dimethyl phthalate	U		0.0756	0.357	1	05/30/2024 19:50	WG2295242
Di-n-octyl phthalate	U		0.0241	0.357	1	05/30/2024 19:50	WG2295242
Pyrene	0.0206	J	0.00694	0.0357	1	05/30/2024 19:50	WG2295242
1,2,4-Trichlorobenzene	U		0.0111	0.357	1	05/30/2024 19:50	WG2295242
4-Chloro-3-methylphenol	U		0.0116	0.357	1	05/30/2024 19:50	WG2295242
2-Chlorophenol	U		0.0118	0.357	1	05/30/2024 19:50	WG2295242
2,4-Dichlorophenol	U		0.0104	0.357	1	05/30/2024 19:50	WG2295242
2,4-Dimethylphenol	U		0.00932	0.357	1	05/30/2024 19:50	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0808	0.357	1	05/30/2024 19:50	WG2295242
2,4-Dinitrophenol	U		0.0834	0.357	1	05/30/2024 19:50	WG2295242
2-Nitrophenol	U		0.0127	0.357	1	05/30/2024 19:50	WG2295242
4-Nitrophenol	U		0.0111	0.357	1	05/30/2024 19:50	WG2295242
Pentachlorophenol	U		0.00959	0.357	1	05/30/2024 19:50	WG2295242
Phenol	U		0.0143	0.357	1	05/30/2024 19:50	WG2295242
2,4,6-Trichlorophenol	U		0.0115	0.357	1	05/30/2024 19:50	WG2295242
(S) 2-Fluorophenol	*55.4*			*12.0-120*		*05/30/2024 19:50*	WG2295242
(S) Phenol-d5	*49.7*			*10.0-120*		*05/30/2024 19:50*	WG2295242
(S) Nitrobenzene-d5	*46.8*			*10.0-122*		*05/30/2024 19:50*	WG2295242
(S) 2-Fluorobiphenyl	*49.8*			*15.0-120*		*05/30/2024 19:50*	WG2295242
(S) 2,4,6-Tribromophenol	*42.1*			*10.0-127*		*05/30/2024 19:50*	WG2295242
(S) p-Terphenyl-d14	*54.1*			*10.0-120*		*05/30/2024 19:50*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.3		1	05/29/2024 15:10	WG2294985

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0431	J	0.0236	0.0524	1	05/29/2024 22:17	WG2295049

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.00	J	0.713	2.62	1	05/31/2024 17:45	WG2295058
Arsenic	5.77		0.679	2.62	1	05/31/2024 17:45	WG2295058
Barium	96.9		0.112	0.655	1	05/31/2024 17:45	WG2295058
Beryllium	0.266		0.0413	0.262	1	05/31/2024 17:45	WG2295058
Cadmium	0.100	J	0.0617	0.655	1	05/31/2024 17:45	WG2295058
Chromium	28.3		0.174	1.31	1	05/31/2024 17:45	WG2295058
Cobalt	10.9		0.106	1.31	1	05/31/2024 17:45	WG2295058
Copper	27.5		0.524	2.62	1	05/31/2024 17:45	WG2295058
Lead	19.9		0.272	0.655	1	05/31/2024 17:45	WG2295058
Molybdenum	0.261	J	0.143	0.655	1	05/31/2024 17:45	WG2295058
Nickel	46.3		0.173	2.62	1	05/31/2024 17:45	WG2295058
Selenium	U		1.00	2.62	1	05/31/2024 17:45	WG2295058
Silver	U		0.166	1.31	1	05/31/2024 17:45	WG2295058
Thallium	1.18	J	0.516	2.62	1	05/31/2024 17:45	WG2295058
Vanadium	34.1		0.663	2.62	1	05/31/2024 17:45	WG2295058
Zinc	50.0		1.09	6.55	1	05/31/2024 17:45	WG2295058

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.95	B J	1.40	4.21	25	05/29/2024 18:02	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*05/29/2024 18:02*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0615	0.0842	1	05/30/2024 01:16	WG2295165
Acrylonitrile	U		0.00608	0.0211	1	05/30/2024 01:16	WG2295165
Benzene	U		0.000787	0.00168	1	05/30/2024 01:16	WG2295165
Bromobenzene	U		0.00152	0.0211	1	05/30/2024 01:16	WG2295165
Bromodichloromethane	U		0.00122	0.00421	1	05/30/2024 01:16	WG2295165
Bromoform	U		0.00197	0.0421	1	05/30/2024 01:16	WG2295165
Bromomethane	U		0.00332	0.0211	1	05/30/2024 01:16	WG2295165
n-Butylbenzene	U		0.00884	0.0211	1	05/30/2024 01:16	WG2295165
sec-Butylbenzene	U		0.00485	0.0211	1	05/30/2024 01:16	WG2295165
tert-Butylbenzene	U		0.00328	0.00842	1	05/30/2024 01:16	WG2295165
Carbon tetrachloride	U		0.00151	0.00842	1	05/30/2024 01:16	WG2295165
Chlorobenzene	U		0.000354	0.00421	1	05/30/2024 01:16	WG2295165
Chlorodibromomethane	U		0.00103	0.00421	1	05/30/2024 01:16	WG2295165
Chloroethane	U		0.00286	0.00842	1	05/30/2024 01:16	WG2295165
Chloroform	U		0.00174	0.00421	1	05/30/2024 01:16	WG2295165
Chloromethane	U		0.00733	0.0211	1	05/30/2024 01:16	WG2295165
2-Chlorotoluene	U		0.00146	0.00421	1	05/30/2024 01:16	WG2295165
4-Chlorotoluene	U		0.000758	0.00842	1	05/30/2024 01:16	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00657	0.0421	1	05/30/2024 01:16	WG2295165
1,2-Dibromoethane	U		0.00109	0.00421	1	05/30/2024 01:16	WG2295165
Dibromomethane	U		0.00126	0.00842	1	05/30/2024 01:16	WG2295165
1,2-Dichlorobenzene	U		0.000716	0.00842	1	05/30/2024 01:16	WG2295165
1,3-Dichlorobenzene	U		0.00101	0.00842	1	05/30/2024 01:16	WG2295165
1,4-Dichlorobenzene	U		0.00118	0.00842	1	05/30/2024 01:16	WG2295165
Dichlorodifluoromethane	U		0.00271	0.00842	1	05/30/2024 01:16	WG2295165
1,1-Dichloroethane	U		0.000827	0.00421	1	05/30/2024 01:16	WG2295165
1,2-Dichloroethane	U		0.00109	0.00421	1	05/30/2024 01:16	WG2295165
1,1-Dichloroethene	U		0.00102	0.00421	1	05/30/2024 01:16	WG2295165
cis-1,2-Dichloroethene	U		0.00124	0.00421	1	05/30/2024 01:16	WG2295165
trans-1,2-Dichloroethene	U		0.00175	0.00842	1	05/30/2024 01:16	WG2295165
1,2-Dichloropropane	U		0.00239	0.00842	1	05/30/2024 01:16	WG2295165
1,1-Dichloropropene	U		0.00136	0.00421	1	05/30/2024 01:16	WG2295165
1,3-Dichloropropane	U		0.000844	0.00842	1	05/30/2024 01:16	WG2295165
cis-1,3-Dichloropropene	U		0.00128	0.00421	1	05/30/2024 01:16	WG2295165
trans-1,3-Dichloropropene	U		0.00192	0.00842	1	05/30/2024 01:16	WG2295165
2,2-Dichloropropane	U		0.00232	0.00421	1	05/30/2024 01:16	WG2295165
Di-isopropyl ether	U		0.000691	0.00168	1	05/30/2024 01:16	WG2295165
Ethylbenzene	U		0.00124	0.00421	1	05/30/2024 01:16	WG2295165
Hexachloro-1,3-butadiene	U		0.0101	0.0421	1	05/30/2024 01:16	WG2295165
Isopropylbenzene	U		0.000716	0.00421	1	05/30/2024 01:16	WG2295165
p-Isopropyltoluene	U		0.00430	0.00842	1	05/30/2024 01:16	WG2295165
2-Butanone (MEK)	U		0.107	0.168	1	05/30/2024 01:16	WG2295165
Methylene Chloride	U		0.0112	0.0421	1	05/30/2024 01:16	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00384	0.0421	1	05/30/2024 01:16	WG2295165
Methyl tert-butyl ether	U		0.000590	0.00168	1	05/30/2024 01:16	WG2295165
Naphthalene	U		0.00822	0.0211	1	05/30/2024 01:16	WG2295165
n-Propylbenzene	U		0.00160	0.00842	1	05/30/2024 01:16	WG2295165
Styrene	U		0.000386	0.0211	1	05/30/2024 01:16	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00160	0.00421	1	05/30/2024 01:16	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00117	0.00421	1	05/30/2024 01:16	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00421	1	05/30/2024 01:16	WG2295165
Tetrachloroethene	U		0.00151	0.00421	1	05/30/2024 01:16	WG2295165
Toluene	U		0.00219	0.00842	1	05/30/2024 01:16	WG2295165
1,2,3-Trichlorobenzene	U		0.0123	0.0211	1	05/30/2024 01:16	WG2295165
1,2,4-Trichlorobenzene	U		0.00741	0.0211	1	05/30/2024 01:16	WG2295165
1,1,1-Trichloroethane	U		0.00155	0.00421	1	05/30/2024 01:16	WG2295165
1,1,2-Trichloroethane	U		0.00101	0.00421	1	05/30/2024 01:16	WG2295165
Trichloroethene	U		0.000984	0.00168	1	05/30/2024 01:16	WG2295165
Trichlorofluoromethane	U		0.00139	0.00421	1	05/30/2024 01:16	WG2295165
1,2,3-Trichloropropane	U		0.00273	0.0211	1	05/30/2024 01:16	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00266	0.00842	1	05/30/2024 01:16	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00266	0.00842	1	05/30/2024 01:16	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00337	0.00842	1	05/30/2024 01:16	WG2295165
Vinyl chloride	U		0.00195	0.00421	1	05/30/2024 01:16	WG2295165
Xylenes, Total	U		0.00148	0.0109	1	05/30/2024 01:16	WG2295165
(S) Toluene-d8	*107*			*75.0-131*		*05/30/2024 01:16*	WG2295165
(S) 4-Bromofluorobenzene	*96.9*			*67.0-138*		*05/30/2024 01:16*	WG2295165
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*05/30/2024 01:16*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.20	J	0.960	5.24	1	05/30/2024 17:59	WG2295238
C22-C32 Hydrocarbons	9.62		1.74	5.24	1	05/30/2024 17:59	WG2295238
C32-C40 Hydrocarbons	12.4		1.74	5.24	1	05/30/2024 17:59	WG2295238
(S) o-Terphenyl	*55.3*			*18.0-148*		*05/30/2024 17:59*	WG2295238

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00706	0.0436	1	05/30/2024 21:54	WG2295242
Acenaphthylene	U		0.00614	0.0436	1	05/30/2024 21:54	WG2295242
Anthracene	U		0.00777	0.0436	1	05/30/2024 21:54	WG2295242
Benzidine	U		0.0820	2.19	1	05/30/2024 21:54	WG2295242
Benzo(a)anthracene	U		0.00769	0.0436	1	05/30/2024 21:54	WG2295242
Benzo(b)fluoranthene	U		0.00814	0.0436	1	05/30/2024 21:54	WG2295242
Benzo(k)fluoranthene	U		0.00776	0.0436	1	05/30/2024 21:54	WG2295242
Benzo(g,h,i)perylene	U		0.00798	0.0436	1	05/30/2024 21:54	WG2295242
Benzo(a)pyrene	U		0.00811	0.0436	1	05/30/2024 21:54	WG2295242
Bis(2-chlorethoxy)methane	U		0.0131	0.436	1	05/30/2024 21:54	WG2295242
Bis(2-chloroethyl)ether	U		0.0144	0.436	1	05/30/2024 21:54	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.0189	0.436	1	05/30/2024 21:54	WG2295242
4-Bromophenyl-phenylether	U		0.0153	0.436	1	05/30/2024 21:54	WG2295242
2-Chloronaphthalene	U		0.00766	0.0436	1	05/30/2024 21:54	WG2295242
4-Chlorophenyl-phenylether	U		0.0152	0.436	1	05/30/2024 21:54	WG2295242
Chrysene	U		0.00867	0.0436	1	05/30/2024 21:54	WG2295242
Dibenz(a,h)anthracene	U		0.0121	0.0436	1	05/30/2024 21:54	WG2295242
1,2-Dichlorobenzene	U		0.0129	0.436	1	05/30/2024 21:54	WG2295242
1,3-Dichlorobenzene	U		0.0132	0.436	1	05/30/2024 21:54	WG2295242
1,4-Dichlorobenzene	U		0.0130	0.436	1	05/30/2024 21:54	WG2295242
3,3-Dichlorobenzidine	U		0.0161	0.436	1	05/30/2024 21:54	WG2295242
2,4-Dinitrotoluene	U		0.0125	0.436	1	05/30/2024 21:54	WG2295242
2,6-Dinitrotoluene	U		0.0143	0.436	1	05/30/2024 21:54	WG2295242
Fluoranthene	U		0.00787	0.0436	1	05/30/2024 21:54	WG2295242
Fluorene	U		0.00710	0.0436	1	05/30/2024 21:54	WG2295242
Hexachlorobenzene	U		0.0155	0.436	1	05/30/2024 21:54	WG2295242
Hexachloro-1,3-butadiene	U		0.0147	0.436	1	05/30/2024 21:54	WG2295242
Hexachlorocyclopentadiene	U		0.0229	0.436	1	05/30/2024 21:54	WG2295242
Hexachloroethane	U		0.0172	0.436	1	05/30/2024 21:54	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.0123	0.0436	1	05/30/2024 21:54	WG2295242
Isophorone	U		0.0134	0.436	1	05/30/2024 21:54	WG2295242
Naphthalene	U		0.0110	0.0436	1	05/30/2024 21:54	WG2295242
Nitrobenzene	U		0.0152	0.436	1	05/30/2024 21:54	WG2295242
n-Nitrosodimethylamine	U		0.0647	0.436	1	05/30/2024 21:54	WG2295242
n-Nitrosodiphenylamine	U		0.0330	0.436	1	05/30/2024 21:54	WG2295242
n-Nitrosodi-n-propylamine	U		0.0145	0.436	1	05/30/2024 21:54	WG2295242
Phenanthrene	U		0.00866	0.0436	1	05/30/2024 21:54	WG2295242
Benzylbutyl phthalate	U		0.0136	0.436	1	05/30/2024 21:54	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.0553	0.436	1	05/30/2024 21:54	WG2295242
Di-n-butyl phthalate	U		0.0149	0.436	1	05/30/2024 21:54	WG2295242
Diethyl phthalate	U		0.0144	0.436	1	05/30/2024 21:54	WG2295242
Dimethyl phthalate	U		0.0925	0.436	1	05/30/2024 21:54	WG2295242
Di-n-octyl phthalate	U		0.0295	0.436	1	05/30/2024 21:54	WG2295242
Pyrene	U		0.00849	0.0436	1	05/30/2024 21:54	WG2295242
1,2,4-Trichlorobenzene	U		0.0136	0.436	1	05/30/2024 21:54	WG2295242
4-Chloro-3-methylphenol	U		0.0141	0.436	1	05/30/2024 21:54	WG2295242
2-Chlorophenol	U		0.0144	0.436	1	05/30/2024 21:54	WG2295242
2,4-Dichlorophenol	U		0.0127	0.436	1	05/30/2024 21:54	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0114	0.436	1	05/30/2024 21:54	WG2295242
4,6-Dinitro-2-methylphenol	U		0.0989	0.436	1	05/30/2024 21:54	WG2295242
2,4-Dinitrophenol	U		0.102	0.436	1	05/30/2024 21:54	WG2295242
2-Nitrophenol	U		0.0156	0.436	1	05/30/2024 21:54	WG2295242
4-Nitrophenol	U		0.0136	0.436	1	05/30/2024 21:54	WG2295242
Pentachlorophenol	U		0.0117	0.436	1	05/30/2024 21:54	WG2295242
Phenol	U		0.0176	0.436	1	05/30/2024 21:54	WG2295242
2,4,6-Trichlorophenol	U		0.0140	0.436	1	05/30/2024 21:54	WG2295242
(S) 2-Fluorophenol	*56.0*			*12.0-120*		*05/30/2024 21:54*	WG2295242
(S) Phenol-d5	*53.5*			*10.0-120*		*05/30/2024 21:54*	WG2295242
(S) Nitrobenzene-d5	*43.8*			*10.0-122*		*05/30/2024 21:54*	WG2295242
(S) 2-Fluorobiphenyl	*51.9*			*15.0-120*		*05/30/2024 21:54*	WG2295242
(S) 2,4,6-Tribromophenol	*49.4*			*10.0-127*		*05/30/2024 21:54*	WG2295242
(S) p-Terphenyl-d14	*60.8*			*10.0-120*		*05/30/2024 21:54*	WG2295242

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	05/29/2024 15:29	WG2295025

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.10	3.31	25	05/29/2024 18:21	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*05/29/2024 18:21*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0484	0.0663	1	05/30/2024 01:37	WG2295165
Acrylonitrile	U		0.00479	0.0166	1	05/30/2024 01:37	WG2295165
Benzene	U		0.000619	0.00133	1	05/30/2024 01:37	WG2295165
Bromobenzene	U		0.00119	0.0166	1	05/30/2024 01:37	WG2295165
Bromodichloromethane	U		0.000961	0.00331	1	05/30/2024 01:37	WG2295165
Bromoform	U		0.00155	0.0331	1	05/30/2024 01:37	WG2295165
Bromomethane	U		0.00261	0.0166	1	05/30/2024 01:37	WG2295165
n-Butylbenzene	U		0.00696	0.0166	1	05/30/2024 01:37	WG2295165
sec-Butylbenzene	U		0.00382	0.0166	1	05/30/2024 01:37	WG2295165
tert-Butylbenzene	U		0.00258	0.00663	1	05/30/2024 01:37	WG2295165
Carbon tetrachloride	U		0.00119	0.00663	1	05/30/2024 01:37	WG2295165
Chlorobenzene	U		0.000278	0.00331	1	05/30/2024 01:37	WG2295165
Chlorodibromomethane	U		0.000811	0.00331	1	05/30/2024 01:37	WG2295165
Chloroethane	U		0.00225	0.00663	1	05/30/2024 01:37	WG2295165
Chloroform	U		0.00137	0.00331	1	05/30/2024 01:37	WG2295165
Chloromethane	U		0.00577	0.0166	1	05/30/2024 01:37	WG2295165
2-Chlorotoluene	U		0.00115	0.00331	1	05/30/2024 01:37	WG2295165
4-Chlorotoluene	U		0.000597	0.00663	1	05/30/2024 01:37	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00517	0.0331	1	05/30/2024 01:37	WG2295165
1,2-Dibromoethane	U		0.000859	0.00331	1	05/30/2024 01:37	WG2295165
Dibromomethane	U		0.000994	0.00663	1	05/30/2024 01:37	WG2295165
1,2-Dichlorobenzene	U		0.000563	0.00663	1	05/30/2024 01:37	WG2295165
1,3-Dichlorobenzene	U		0.000795	0.00663	1	05/30/2024 01:37	WG2295165
1,4-Dichlorobenzene	U		0.000928	0.00663	1	05/30/2024 01:37	WG2295165
Dichlorodifluoromethane	U		0.00213	0.00663	1	05/30/2024 01:37	WG2295165
1,1-Dichloroethane	U		0.000651	0.00331	1	05/30/2024 01:37	WG2295165
1,2-Dichloroethane	U		0.000860	0.00331	1	05/30/2024 01:37	WG2295165
1,1-Dichloroethene	U		0.000803	0.00331	1	05/30/2024 01:37	WG2295165
cis-1,2-Dichloroethene	U		0.000973	0.00331	1	05/30/2024 01:37	WG2295165
trans-1,2-Dichloroethene	U		0.00138	0.00663	1	05/30/2024 01:37	WG2295165
1,2-Dichloropropane	U		0.00188	0.00663	1	05/30/2024 01:37	WG2295165
1,1-Dichloropropene	U		0.00107	0.00331	1	05/30/2024 01:37	WG2295165
1,3-Dichloropropane	U		0.000664	0.00663	1	05/30/2024 01:37	WG2295165
cis-1,3-Dichloropropene	U		0.00100	0.00331	1	05/30/2024 01:37	WG2295165
trans-1,3-Dichloropropene	U		0.00151	0.00663	1	05/30/2024 01:37	WG2295165
2,2-Dichloropropane	U		0.00183	0.00331	1	05/30/2024 01:37	WG2295165
Di-isopropyl ether	U		0.000543	0.00133	1	05/30/2024 01:37	WG2295165
Ethylbenzene	U		0.000977	0.00331	1	05/30/2024 01:37	WG2295165
Hexachloro-1,3-butadiene	U		0.00795	0.0331	1	05/30/2024 01:37	WG2295165
Isopropylbenzene	U		0.000563	0.00331	1	05/30/2024 01:37	WG2295165
p-Isopropyltoluene	U		0.00338	0.00663	1	05/30/2024 01:37	WG2295165
2-Butanone (MEK)	U		0.0842	0.133	1	05/30/2024 01:37	WG2295165
Methylene Chloride	U		0.00880	0.0331	1	05/30/2024 01:37	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00302	0.0331	1	05/30/2024 01:37	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000464	0.00133	1	05/30/2024 01:37	WG2295165
Naphthalene	U		0.00647	0.0166	1	05/30/2024 01:37	WG2295165
n-Propylbenzene	U		0.00126	0.00663	1	05/30/2024 01:37	WG2295165
Styrene	U		0.000304	0.0166	1	05/30/2024 01:37	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00126	0.00331	1	05/30/2024 01:37	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000921	0.00331	1	05/30/2024 01:37	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000999	0.00331	1	05/30/2024 01:37	WG2295165
Tetrachloroethene	U		0.00119	0.00331	1	05/30/2024 01:37	WG2295165
Toluene	0.00225	J	0.00172	0.00663	1	05/30/2024 01:37	WG2295165
1,2,3-Trichlorobenzene	U		0.00972	0.0166	1	05/30/2024 01:37	WG2295165
1,2,4-Trichlorobenzene	U		0.00583	0.0166	1	05/30/2024 01:37	WG2295165
1,1,1-Trichloroethane	U		0.00122	0.00331	1	05/30/2024 01:37	WG2295165
1,1,2-Trichloroethane	U		0.000791	0.00331	1	05/30/2024 01:37	WG2295165
Trichloroethene	U		0.000774	0.00133	1	05/30/2024 01:37	WG2295165
Trichlorofluoromethane	U		0.00110	0.00331	1	05/30/2024 01:37	WG2295165
1,2,3-Trichloropropane	U		0.00215	0.0166	1	05/30/2024 01:37	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00209	0.00663	1	05/30/2024 01:37	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00209	0.00663	1	05/30/2024 01:37	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00265	0.00663	1	05/30/2024 01:37	WG2295165
Vinyl chloride	U		0.00154	0.00331	1	05/30/2024 01:37	WG2295165
Xylenes, Total	U		0.00117	0.00862	1	05/30/2024 01:37	WG2295165
(S) Toluene-d8	*110*			*75.0-131*		*05/30/2024 01:37*	WG2295165
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/30/2024 01:37*	WG2295165
(S) 1,2-Dichloroethane-d4	*85.7*			*70.0-130*		*05/30/2024 01:37*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		8.44	46.0	10	05/31/2024 09:29	WG2295238
C22-C32 Hydrocarbons	35.8	J	15.3	46.0	10	05/31/2024 09:29	WG2295238
C32-C40 Hydrocarbons	51.2		15.3	46.0	10	05/31/2024 09:29	WG2295238
(S) o-Terphenyl	*77.7*			*18.0-148*		*05/31/2024 09:29*	WG2295238

Sample Narrative:

L1739342-24 WG2295238: Cannot run at lower dilution due to viscosity of extract.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.135		0.0192	0.0426	1	05/30/2024 15:20	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.84	J	0.579	2.13	1	06/01/2024 13:47	WG2295060
Arsenic	5.05		0.551	2.13	1	06/01/2024 13:47	WG2295060
Barium	138		0.0907	0.532	1	06/01/2024 13:47	WG2295060
Beryllium	0.164	J	0.0335	0.213	1	06/01/2024 13:47	WG2295060
Cadmium	0.153	B J	0.0501	0.532	1	06/01/2024 13:47	WG2295060
Chromium	24.3		0.142	1.06	1	06/01/2024 13:47	WG2295060
Cobalt	5.54		0.0863	1.06	1	06/01/2024 13:47	WG2295060
Copper	17.5		0.426	2.13	1	06/01/2024 13:47	WG2295060
Lead	24.9		0.221	0.532	1	06/01/2024 13:47	WG2295060
Molybdenum	0.667		0.116	0.532	1	06/01/2024 13:47	WG2295060
Nickel	30.7		0.141	2.13	1	06/01/2024 13:47	WG2295060
Selenium	U		0.813	2.13	1	06/01/2024 13:47	WG2295060
Silver	U		0.135	1.06	1	06/01/2024 13:47	WG2295060
Thallium	1.18	J	0.419	2.13	1	06/01/2024 13:47	WG2295060
Vanadium	25.1		0.539	2.13	1	06/01/2024 13:47	WG2295060
Zinc	49.6		0.886	5.32	1	06/01/2024 13:47	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.01	B J T8	0.945	2.85	25	06/05/2024 01:16	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/05/2024 01:16*	WG2298546

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0362	1	05/31/2024 03:30	WG2295241
PCB 1221	U		0.0126	0.0362	1	05/31/2024 03:30	WG2295241
PCB 1232	U		0.0126	0.0362	1	05/31/2024 03:30	WG2295241
PCB 1242	U		0.0126	0.0362	1	05/31/2024 03:30	WG2295241
PCB 1248	U		0.00786	0.0181	1	05/31/2024 03:30	WG2295241
PCB 1254	U		0.00786	0.0181	1	05/31/2024 03:30	WG2295241
PCB 1260	U		0.00786	0.0181	1	05/31/2024 03:30	WG2295241
(S) Decachlorobiphenyl	*99.4*			*10.0-135*		*05/31/2024 03:30*	WG2295241
(S) Tetrachloro-m-xylene	*70.1*			*10.0-139*		*05/31/2024 03:30*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0574	0.355	10	05/31/2024 06:50	WG2295242
Acenaphthylene	U		0.0499	0.355	10	05/31/2024 06:50	WG2295242
Anthracene	U		0.0631	0.355	10	05/31/2024 06:50	WG2295242
Benzidine	U		0.666	17.8	10	05/31/2024 06:50	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.0755	J	0.0625	0.355	10	05/31/2024 06:50	WG2295242
Benzo(b)fluoranthene	0.178	J	0.0661	0.355	10	05/31/2024 06:50	WG2295242
Benzo(k)fluoranthene	U		0.0630	0.355	10	05/31/2024 06:50	WG2295242
Benzo(g,h,i)perylene	0.0884	J	0.0648	0.355	10	05/31/2024 06:50	WG2295242
Benzo(a)pyrene	0.133	J	0.0659	0.355	10	05/31/2024 06:50	WG2295242
Bis(2-chlorethoxy)methane	U		0.106	3.55	10	05/31/2024 06:50	WG2295242
Bis(2-chloroethyl)ether	U		0.117	3.55	10	05/31/2024 06:50	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.153	3.55	10	05/31/2024 06:50	WG2295242
4-Bromophenyl-phenylether	U		0.125	3.55	10	05/31/2024 06:50	WG2295242
2-Chloronaphthalene	U		0.0623	0.355	10	05/31/2024 06:50	WG2295242
4-Chlorophenyl-phenylether	U		0.123	3.55	10	05/31/2024 06:50	WG2295242
Chrysene	0.0837	J	0.0705	0.355	10	05/31/2024 06:50	WG2295242
Dibenz(a,h)anthracene	U		0.0983	0.355	10	05/31/2024 06:50	WG2295242
1,2-Dichlorobenzene	U		0.105	3.55	10	05/31/2024 06:50	WG2295242
1,3-Dichlorobenzene	U		0.108	3.55	10	05/31/2024 06:50	WG2295242
1,4-Dichlorobenzene	U		0.106	3.55	10	05/31/2024 06:50	WG2295242
3,3-Dichlorobenzidine	U		0.131	3.55	10	05/31/2024 06:50	WG2295242
2,4-Dinitrotoluene	U		0.102	3.55	10	05/31/2024 06:50	WG2295242
2,6-Dinitrotoluene	U		0.116	3.55	10	05/31/2024 06:50	WG2295242
Fluoranthene	0.166	J	0.0640	0.355	10	05/31/2024 06:50	WG2295242
Fluorene	U		0.0577	0.355	10	05/31/2024 06:50	WG2295242
Hexachlorobenzene	U		0.126	3.55	10	05/31/2024 06:50	WG2295242
Hexachloro-1,3-butadiene	U		0.119	3.55	10	05/31/2024 06:50	WG2295242
Hexachlorocyclopentadiene	U		0.186	3.55	10	05/31/2024 06:50	WG2295242
Hexachloroethane	U		0.139	3.55	10	05/31/2024 06:50	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.100	0.355	10	05/31/2024 06:50	WG2295242
Isophorone	U		0.109	3.55	10	05/31/2024 06:50	WG2295242
Naphthalene	U		0.0890	0.355	10	05/31/2024 06:50	WG2295242
Nitrobenzene	U		0.123	3.55	10	05/31/2024 06:50	WG2295242
n-Nitrosodimethylamine	U		0.526	3.55	10	05/31/2024 06:50	WG2295242
n-Nitrosodiphenylamine	U		0.268	3.55	10	05/31/2024 06:50	WG2295242
n-Nitrosodi-n-propylamine	U		0.118	3.55	10	05/31/2024 06:50	WG2295242
Phenanthrene	U		0.0704	0.355	10	05/31/2024 06:50	WG2295242
Benzylbutyl phthalate	U		0.111	3.55	10	05/31/2024 06:50	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.449	3.55	10	05/31/2024 06:50	WG2295242
Di-n-butyl phthalate	U		0.121	3.55	10	05/31/2024 06:50	WG2295242
Diethyl phthalate	U		0.117	3.55	10	05/31/2024 06:50	WG2295242
Dimethyl phthalate	U		0.752	3.55	10	05/31/2024 06:50	WG2295242
Di-n-octyl phthalate	U		0.240	3.55	10	05/31/2024 06:50	WG2295242
Pyrene	0.278	J	0.0690	0.355	10	05/31/2024 06:50	WG2295242
1,2,4-Trichlorobenzene	U		0.111	3.55	10	05/31/2024 06:50	WG2295242
4-Chloro-3-methylphenol	U		0.115	3.55	10	05/31/2024 06:50	WG2295242
2-Chlorophenol	U		0.117	3.55	10	05/31/2024 06:50	WG2295242
2,4-Dichlorophenol	U		0.103	3.55	10	05/31/2024 06:50	WG2295242
2,4-Dimethylphenol	U		0.0926	3.55	10	05/31/2024 06:50	WG2295242
4,6-Dinitro-2-methylphenol	U		0.804	3.55	10	05/31/2024 06:50	WG2295242
2,4-Dinitrophenol	U		0.829	3.55	10	05/31/2024 06:50	WG2295242
2-Nitrophenol	U		0.127	3.55	10	05/31/2024 06:50	WG2295242
4-Nitrophenol	U		0.111	3.55	10	05/31/2024 06:50	WG2295242
Pentachlorophenol	U		0.0954	3.55	10	05/31/2024 06:50	WG2295242
Phenol	U		0.143	3.55	10	05/31/2024 06:50	WG2295242
2,4,6-Trichlorophenol	U		0.114	3.55	10	05/31/2024 06:50	WG2295242
(S) 2-Fluorophenol	*92.0*			*12.0-120*		*05/31/2024 06:50*	WG2295242
(S) Phenol-d5	*93.3*			*10.0-120*		*05/31/2024 06:50*	WG2295242
(S) Nitrobenzene-d5	*79.4*			*10.0-122*		*05/31/2024 06:50*	WG2295242
(S) 2-Fluorobiphenyl	*92.9*			*15.0-120*		*05/31/2024 06:50*	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*47.9*			*10.0-127*		*05/31/2024 06:50*	WG2295242
(S) p-Terphenyl-d14	*103*			*10.0-120*		*05/31/2024 06:50*	WG2295242

Sample Narrative:

L1739342-25 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0331	J	0.0195	0.0433	1	05/30/2024 15:22	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.825	J	0.589	2.16	1	06/01/2024 13:48	WG2295060
Arsenic	6.89		0.561	2.16	1	06/01/2024 13:48	WG2295060
Barium	111		0.0922	0.541	1	06/01/2024 13:48	WG2295060
Beryllium	0.486		0.0341	0.216	1	06/01/2024 13:48	WG2295060
Cadmium	U		0.0510	0.541	1	06/01/2024 13:48	WG2295060
Chromium	26.3		0.144	1.08	1	06/01/2024 13:48	WG2295060
Cobalt	9.18		0.0878	1.08	1	06/01/2024 13:48	WG2295060
Copper	26.2		0.433	2.16	1	06/01/2024 13:48	WG2295060
Lead	22.5		0.225	0.541	1	06/01/2024 13:48	WG2295060
Molybdenum	U		0.118	0.541	1	06/01/2024 13:48	WG2295060
Nickel	41.7		0.143	2.16	1	06/01/2024 13:48	WG2295060
Selenium	U		0.827	2.16	1	06/01/2024 13:48	WG2295060
Silver	U		0.137	1.08	1	06/01/2024 13:48	WG2295060
Thallium	1.24	J	0.426	2.16	1	06/01/2024 13:48	WG2295060
Vanadium	26.3		0.548	2.16	1	06/01/2024 13:48	WG2295060
Zinc	53.9		0.900	5.41	1	06/01/2024 13:48	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.53	B J T8	1.16	3.51	30.5	06/05/2024 01:39	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 01:39*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0485	0.0663	1.15	05/30/2024 15:16	WG2295400
Acrylonitrile	U		0.00479	0.0166	1.15	05/30/2024 15:16	WG2295400
Benzene	0.00113	J	0.000620	0.00133	1.15	05/30/2024 15:16	WG2295400
Bromobenzene	U		0.00120	0.0166	1.15	05/30/2024 15:16	WG2295400
Bromodichloromethane	U		0.000962	0.00332	1.15	05/30/2024 15:16	WG2295400
Bromoform	U		0.00156	0.0332	1.15	05/30/2024 15:16	WG2295400
Bromomethane	U		0.00262	0.0166	1.15	05/30/2024 15:16	WG2295400
n-Butylbenzene	U		0.00697	0.0166	1.15	05/30/2024 15:16	WG2295400
sec-Butylbenzene	U		0.00382	0.0166	1.15	05/30/2024 15:16	WG2295400
tert-Butylbenzene	U		0.00258	0.00663	1.15	05/30/2024 15:16	WG2295400
Carbon tetrachloride	U		0.00119	0.00663	1.15	05/30/2024 15:16	WG2295400
Chlorobenzene	U		0.000279	0.00332	1.15	05/30/2024 15:16	WG2295400
Chlorodibromomethane	U		0.000812	0.00332	1.15	05/30/2024 15:16	WG2295400
Chloroethane	U		0.00226	0.00663	1.15	05/30/2024 15:16	WG2295400
Chloroform	U		0.00136	0.00332	1.15	05/30/2024 15:16	WG2295400
Chloromethane	U		0.00577	0.0166	1.15	05/30/2024 15:16	WG2295400
2-Chlorotoluene	U		0.00115	0.00332	1.15	05/30/2024 15:16	WG2295400
4-Chlorotoluene	U		0.000598	0.00663	1.15	05/30/2024 15:16	WG2295400

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00518	0.0332	1.15	05/30/2024 15:16	WG2295400
1,2-Dibromoethane	U		0.000860	0.00332	1.15	05/30/2024 15:16	WG2295400
Dibromomethane	U		0.000996	0.00663	1.15	05/30/2024 15:16	WG2295400
1,2-Dichlorobenzene	U		0.000564	0.00663	1.15	05/30/2024 15:16	WG2295400
1,3-Dichlorobenzene	U		0.000796	0.00663	1.15	05/30/2024 15:16	WG2295400
1,4-Dichlorobenzene	U		0.000929	0.00663	1.15	05/30/2024 15:16	WG2295400
Dichlorodifluoromethane	U		0.00213	0.00663	1.15	05/30/2024 15:16	WG2295400
1,1-Dichloroethane	U		0.000652	0.00332	1.15	05/30/2024 15:16	WG2295400
1,2-Dichloroethane	U		0.000861	0.00332	1.15	05/30/2024 15:16	WG2295400
1,1-Dichloroethene	U		0.000804	0.00332	1.15	05/30/2024 15:16	WG2295400
cis-1,2-Dichloroethene	U		0.000974	0.00332	1.15	05/30/2024 15:16	WG2295400
trans-1,2-Dichloroethene	U		0.00138	0.00663	1.15	05/30/2024 15:16	WG2295400
1,2-Dichloropropane	U		0.00188	0.00663	1.15	05/30/2024 15:16	WG2295400
1,1-Dichloropropene	U		0.00107	0.00332	1.15	05/30/2024 15:16	WG2295400
1,3-Dichloropropane	U		0.000665	0.00663	1.15	05/30/2024 15:16	WG2295400
cis-1,3-Dichloropropene	U		0.00100	0.00332	1.15	05/30/2024 15:16	WG2295400
trans-1,3-Dichloropropene	U		0.00151	0.00663	1.15	05/30/2024 15:16	WG2295400
2,2-Dichloropropane	U		0.00183	0.00332	1.15	05/30/2024 15:16	WG2295400
Di-isopropyl ether	U		0.000545	0.00133	1.15	05/30/2024 15:16	WG2295400
Ethylbenzene	U		0.000978	0.00332	1.15	05/30/2024 15:16	WG2295400
Hexachloro-1,3-butadiene	U		0.00796	0.0332	1.15	05/30/2024 15:16	WG2295400
Isopropylbenzene	U		0.000564	0.00332	1.15	05/30/2024 15:16	WG2295400
p-Isopropyltoluene	U		0.00338	0.00663	1.15	05/30/2024 15:16	WG2295400
2-Butanone (MEK)	U	J4	0.0842	0.133	1.15	05/30/2024 15:16	WG2295400
Methylene Chloride	U		0.00881	0.0332	1.15	05/30/2024 15:16	WG2295400
4-Methyl-2-pentanone (MIBK)	U		0.00302	0.0332	1.15	05/30/2024 15:16	WG2295400
Methyl tert-butyl ether	U		0.000465	0.00133	1.15	05/30/2024 15:16	WG2295400
Naphthalene	U		0.00647	0.0166	1.15	05/30/2024 15:16	WG2295400
n-Propylbenzene	U		0.00126	0.00663	1.15	05/30/2024 15:16	WG2295400
Styrene	U		0.000303	0.0166	1.15	05/30/2024 15:16	WG2295400
1,1,1,2-Tetrachloroethane	U		0.00126	0.00332	1.15	05/30/2024 15:16	WG2295400
1,1,2,2-Tetrachloroethane	U		0.000922	0.00332	1.15	05/30/2024 15:16	WG2295400
1,1,2-Trichlorotrifluoroethane	U		0.00100	0.00332	1.15	05/30/2024 15:16	WG2295400
Tetrachloroethene	U		0.00119	0.00332	1.15	05/30/2024 15:16	WG2295400
Toluene	U		0.00172	0.00663	1.15	05/30/2024 15:16	WG2295400
1,2,3-Trichlorobenzene	U		0.00973	0.0166	1.15	05/30/2024 15:16	WG2295400
1,2,4-Trichlorobenzene	U		0.00584	0.0166	1.15	05/30/2024 15:16	WG2295400
1,1,1-Trichloroethane	U		0.00122	0.00332	1.15	05/30/2024 15:16	WG2295400
1,1,2-Trichloroethane	U		0.000793	0.00332	1.15	05/30/2024 15:16	WG2295400
Trichloroethene	U		0.000775	0.00133	1.15	05/30/2024 15:16	WG2295400
Trichlorofluoromethane	U		0.00110	0.00332	1.15	05/30/2024 15:16	WG2295400
1,2,3-Trichloropropane	U		0.00215	0.0166	1.15	05/30/2024 15:16	WG2295400
1,2,4-Trimethylbenzene	U		0.00210	0.00663	1.15	05/30/2024 15:16	WG2295400
1,2,3-Trimethylbenzene	U		0.00210	0.00663	1.15	05/30/2024 15:16	WG2295400
1,3,5-Trimethylbenzene	U		0.00265	0.00663	1.15	05/30/2024 15:16	WG2295400
Vinyl chloride	U		0.00153	0.00332	1.15	05/30/2024 15:16	WG2295400
Xylenes, Total	0.00145	J	0.00117	0.00863	1.15	05/30/2024 15:16	WG2295400
(S) Toluene-d8	*98.6*			*75.0-131*		*05/30/2024 15:16*	WG2295400
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/30/2024 15:16*	WG2295400
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*05/30/2024 15:16*	WG2295400

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U	T8	79.3	433	100	06/06/2024 19:13	WG2299534
C22-C32 Hydrocarbons	685	T8	144	433	100	06/06/2024 19:13	WG2299534
C32-C40 Hydrocarbons	895	T8	144	433	100	06/06/2024 19:13	WG2299534
(S) o-Terphenyl	*79.7*	J7		*18.0-148*		*06/06/2024 19:13*	WG2299534

Sample Narrative:

L1739342-26 WG2299534: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0583	0.360	10	05/31/2024 07:10	WG2295242
Acenaphthylene	U		0.0508	0.360	10	05/31/2024 07:10	WG2295242
Anthracene	U		0.0642	0.360	10	05/31/2024 07:10	WG2295242
Benzidine	U		0.677	18.1	10	05/31/2024 07:10	WG2295242
Benzo(a)anthracene	U		0.0635	0.360	10	05/31/2024 07:10	WG2295242
Benzo(b)fluoranthene	U		0.0672	0.360	10	05/31/2024 07:10	WG2295242
Benzo(k)fluoranthene	U		0.0641	0.360	10	05/31/2024 07:10	WG2295242
Benzo(g,h,i)perylene	U		0.0659	0.360	10	05/31/2024 07:10	WG2295242
Benzo(a)pyrene	U		0.0670	0.360	10	05/31/2024 07:10	WG2295242
Bis(2-chlorethoxy)methane	U		0.108	3.60	10	05/31/2024 07:10	WG2295242
Bis(2-chloroethyl)ether	U		0.119	3.60	10	05/31/2024 07:10	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.156	3.60	10	05/31/2024 07:10	WG2295242
4-Bromophenyl-phenylether	U		0.127	3.60	10	05/31/2024 07:10	WG2295242
2-Chloronaphthalene	U		0.0633	0.360	10	05/31/2024 07:10	WG2295242
4-Chlorophenyl-phenylether	U		0.126	3.60	10	05/31/2024 07:10	WG2295242
Chrysene	U		0.0716	0.360	10	05/31/2024 07:10	WG2295242
Dibenz(a,h)anthracene	U		0.0999	0.360	10	05/31/2024 07:10	WG2295242
1,2-Dichlorobenzene	U		0.107	3.60	10	05/31/2024 07:10	WG2295242
1,3-Dichlorobenzene	U		0.109	3.60	10	05/31/2024 07:10	WG2295242
1,4-Dichlorobenzene	U		0.107	3.60	10	05/31/2024 07:10	WG2295242
3,3-Dichlorobenzidine	U		0.133	3.60	10	05/31/2024 07:10	WG2295242
2,4-Dinitrotoluene	U		0.103	3.60	10	05/31/2024 07:10	WG2295242
2,6-Dinitrotoluene	U		0.118	3.60	10	05/31/2024 07:10	WG2295242
Fluoranthene	U		0.0650	0.360	10	05/31/2024 07:10	WG2295242
Fluorene	U		0.0587	0.360	10	05/31/2024 07:10	WG2295242
Hexachlorobenzene	U		0.128	3.60	10	05/31/2024 07:10	WG2295242
Hexachloro-1,3-butadiene	U		0.121	3.60	10	05/31/2024 07:10	WG2295242
Hexachlorocyclopentadiene	U		0.189	3.60	10	05/31/2024 07:10	WG2295242
Hexachloroethane	U		0.142	3.60	10	05/31/2024 07:10	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.102	0.360	10	05/31/2024 07:10	WG2295242
Isophorone	U		0.110	3.60	10	05/31/2024 07:10	WG2295242
Naphthalene	U		0.0905	0.360	10	05/31/2024 07:10	WG2295242
Nitrobenzene	U		0.126	3.60	10	05/31/2024 07:10	WG2295242
n-Nitrosodimethylamine	U		0.535	3.60	10	05/31/2024 07:10	WG2295242
n-Nitrosodiphenylamine	U		0.273	3.60	10	05/31/2024 07:10	WG2295242
n-Nitrosodi-n-propylamine	U		0.120	3.60	10	05/31/2024 07:10	WG2295242
Phenanthrene	U		0.0715	0.360	10	05/31/2024 07:10	WG2295242
Benzylbutyl phthalate	U		0.113	3.60	10	05/31/2024 07:10	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.457	3.60	10	05/31/2024 07:10	WG2295242
Di-n-butyl phthalate	U		0.123	3.60	10	05/31/2024 07:10	WG2295242
Diethyl phthalate	U		0.119	3.60	10	05/31/2024 07:10	WG2295242
Dimethyl phthalate	U		0.764	3.60	10	05/31/2024 07:10	WG2295242
Di-n-octyl phthalate	U		0.244	3.60	10	05/31/2024 07:10	WG2295242
Pyrene	U		0.0701	0.360	10	05/31/2024 07:10	WG2295242
1,2,4-Trichlorobenzene	U		0.113	3.60	10	05/31/2024 07:10	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.117	3.60	10	05/31/2024 07:10	WG2295242
2-Chlorophenol	U		0.119	3.60	10	05/31/2024 07:10	WG2295242
2,4-Dichlorophenol	U		0.105	3.60	10	05/31/2024 07:10	WG2295242
2,4-Dimethylphenol	U		0.0942	3.60	10	05/31/2024 07:10	WG2295242
4,6-Dinitro-2-methylphenol	U		0.817	3.60	10	05/31/2024 07:10	WG2295242
2,4-Dinitrophenol	U		0.843	3.60	10	05/31/2024 07:10	WG2295242
2-Nitrophenol	U		0.129	3.60	10	05/31/2024 07:10	WG2295242
4-Nitrophenol	U		0.113	3.60	10	05/31/2024 07:10	WG2295242
Pentachlorophenol	U		0.0970	3.60	10	05/31/2024 07:10	WG2295242
Phenol	U		0.145	3.60	10	05/31/2024 07:10	WG2295242
2,4,6-Trichlorophenol	U		0.116	3.60	10	05/31/2024 07:10	WG2295242
(S) 2-Fluorophenol	*85.7*			*12.0-120*		*05/31/2024 07:10*	WG2295242
(S) Phenol-d5	*81.0*			*10.0-120*		*05/31/2024 07:10*	WG2295242
(S) Nitrobenzene-d5	*68.4*			*10.0-122*		*05/31/2024 07:10*	WG2295242
(S) 2-Fluorobiphenyl	*79.2*			*15.0-120*		*05/31/2024 07:10*	WG2295242
(S) 2,4,6-Tribromophenol	*73.0*			*10.0-127*		*05/31/2024 07:10*	WG2295242
(S) p-Terphenyl-d14	*90.1*			*10.0-120*		*05/31/2024 07:10*	WG2295242

Sample Narrative:

L1739342-26 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0301	J	0.0200	0.0445	1	05/30/2024 15:25	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.605	2.22	1	06/01/2024 13:50	WG2295060
Arsenic	3.76		0.576	2.22	1	06/01/2024 13:50	WG2295060
Barium	67.3		0.0947	0.556	1	06/01/2024 13:50	WG2295060
Beryllium	0.294		0.0350	0.222	1	06/01/2024 13:50	WG2295060
Cadmium	U		0.0524	0.556	1	06/01/2024 13:50	WG2295060
Chromium	17.7		0.148	1.11	1	06/01/2024 13:50	WG2295060
Cobalt	5.91		0.0902	1.11	1	06/01/2024 13:50	WG2295060
Copper	16.0		0.445	2.22	1	06/01/2024 13:50	WG2295060
Lead	12.7		0.231	0.556	1	06/01/2024 13:50	WG2295060
Molybdenum	0.143	J	0.121	0.556	1	06/01/2024 13:50	WG2295060
Nickel	23.4		0.147	2.22	1	06/01/2024 13:50	WG2295060
Selenium	U		0.849	2.22	1	06/01/2024 13:50	WG2295060
Silver	U		0.141	1.11	1	06/01/2024 13:50	WG2295060
Thallium	1.28	J	0.438	2.22	1	06/01/2024 13:50	WG2295060
Vanadium	20.2		0.563	2.22	1	06/01/2024 13:50	WG2295060
Zinc	36.1		0.925	5.56	1	06/01/2024 13:50	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.83	B J	1.10	3.32	27.3	05/29/2024 18:41	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*05/29/2024 18:41*	WG2294990

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U		81.5	445	100	05/30/2024 19:54	WG2295238
C22-C32 Hydrocarbons	784		148	445	100	05/30/2024 19:54	WG2295238
C32-C40 Hydrocarbons	1090		148	445	100	05/30/2024 19:54	WG2295238
(S) o-Terphenyl	*88.7*	J7		*18.0-148*		*05/30/2024 19:54*	WG2295238

Sample Narrative:

L1739342-27 WG2295238: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0599	0.370	10	05/31/2024 07:31	WG2295242
Acenaphthylene	U		0.0521	0.370	10	05/31/2024 07:31	WG2295242
Anthracene	U		0.0659	0.370	10	05/31/2024 07:31	WG2295242
Benzidine	U		0.696	18.6	10	05/31/2024 07:31	WG2295242
Benzo(a)anthracene	U		0.0653	0.370	10	05/31/2024 07:31	WG2295242
Benzo(b)fluoranthene	U		0.0690	0.370	10	05/31/2024 07:31	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.0658	0.370	10	05/31/2024 07:31	WG2295242
Benzo(g,h,i)perylene	U		0.0677	0.370	10	05/31/2024 07:31	WG2295242
Benzo(a)pyrene	U		0.0688	0.370	10	05/31/2024 07:31	WG2295242
Bis(2-chlorethoxy)methane	U		0.111	3.70	10	05/31/2024 07:31	WG2295242
Bis(2-chloroethyl)ether	U		0.122	3.70	10	05/31/2024 07:31	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.160	3.70	10	05/31/2024 07:31	WG2295242
4-Bromophenyl-phenylether	U		0.130	3.70	10	05/31/2024 07:31	WG2295242
2-Chloronaphthalene	U		0.0650	0.370	10	05/31/2024 07:31	WG2295242
4-Chlorophenyl-phenylether	U		0.129	3.70	10	05/31/2024 07:31	WG2295242
Chrysene	U		0.0736	0.370	10	05/31/2024 07:31	WG2295242
Dibenz(a,h)anthracene	U		0.103	0.370	10	05/31/2024 07:31	WG2295242
1,2-Dichlorobenzene	U		0.110	3.70	10	05/31/2024 07:31	WG2295242
1,3-Dichlorobenzene	U		0.112	3.70	10	05/31/2024 07:31	WG2295242
1,4-Dichlorobenzene	U		0.110	3.70	10	05/31/2024 07:31	WG2295242
3,3-Dichlorobenzidine	U		0.137	3.70	10	05/31/2024 07:31	WG2295242
2,4-Dinitrotoluene	U		0.106	3.70	10	05/31/2024 07:31	WG2295242
2,6-Dinitrotoluene	U		0.121	3.70	10	05/31/2024 07:31	WG2295242
Fluoranthene	U		0.0668	0.370	10	05/31/2024 07:31	WG2295242
Fluorene	U		0.0603	0.370	10	05/31/2024 07:31	WG2295242
Hexachlorobenzene	U		0.131	3.70	10	05/31/2024 07:31	WG2295242
Hexachloro-1,3-butadiene	U		0.125	3.70	10	05/31/2024 07:31	WG2295242
Hexachlorocyclopentadiene	U		0.195	3.70	10	05/31/2024 07:31	WG2295242
Hexachloroethane	U		0.146	3.70	10	05/31/2024 07:31	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.105	0.370	10	05/31/2024 07:31	WG2295242
Isophorone	U		0.113	3.70	10	05/31/2024 07:31	WG2295242
Naphthalene	U		0.0929	0.370	10	05/31/2024 07:31	WG2295242
Nitrobenzene	U		0.129	3.70	10	05/31/2024 07:31	WG2295242
n-Nitrosodimethylamine	U		0.549	3.70	10	05/31/2024 07:31	WG2295242
n-Nitrosodiphenylamine	U		0.280	3.70	10	05/31/2024 07:31	WG2295242
n-Nitrosodi-n-propylamine	U		0.123	3.70	10	05/31/2024 07:31	WG2295242
Phenanthrene	U		0.0735	0.370	10	05/31/2024 07:31	WG2295242
Benzylbutyl phthalate	U		0.116	3.70	10	05/31/2024 07:31	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.469	3.70	10	05/31/2024 07:31	WG2295242
Di-n-butyl phthalate	U		0.127	3.70	10	05/31/2024 07:31	WG2295242
Diethyl phthalate	U		0.122	3.70	10	05/31/2024 07:31	WG2295242
Dimethyl phthalate	U		0.785	3.70	10	05/31/2024 07:31	WG2295242
Di-n-octyl phthalate	U		0.250	3.70	10	05/31/2024 07:31	WG2295242
Pyrene	U		0.0720	0.370	10	05/31/2024 07:31	WG2295242
1,2,4-Trichlorobenzene	U		0.116	3.70	10	05/31/2024 07:31	WG2295242
4-Chloro-3-methylphenol	U		0.120	3.70	10	05/31/2024 07:31	WG2295242
2-Chlorophenol	U		0.122	3.70	10	05/31/2024 07:31	WG2295242
2,4-Dichlorophenol	U		0.108	3.70	10	05/31/2024 07:31	WG2295242
2,4-Dimethylphenol	U		0.0967	3.70	10	05/31/2024 07:31	WG2295242
4,6-Dinitro-2-methylphenol	U		0.839	3.70	10	05/31/2024 07:31	WG2295242
2,4-Dinitrophenol	U		0.866	3.70	10	05/31/2024 07:31	WG2295242
2-Nitrophenol	U		0.132	3.70	10	05/31/2024 07:31	WG2295242
4-Nitrophenol	U		0.116	3.70	10	05/31/2024 07:31	WG2295242
Pentachlorophenol	U		0.0996	3.70	10	05/31/2024 07:31	WG2295242
Phenol	U		0.149	3.70	10	05/31/2024 07:31	WG2295242
2,4,6-Trichlorophenol	U		0.119	3.70	10	05/31/2024 07:31	WG2295242
(S) 2-Fluorophenol	*84.8*			*12.0-120*		*05/31/2024 07:31*	WG2295242
(S) Phenol-d5	*75.8*			*10.0-120*		*05/31/2024 07:31*	WG2295242
(S) Nitrobenzene-d5	*63.3*			*10.0-122*		*05/31/2024 07:31*	WG2295242
(S) 2-Fluorobiphenyl	*72.9*			*15.0-120*		*05/31/2024 07:31*	WG2295242
(S) 2,4,6-Tribromophenol	*63.6*			*10.0-127*		*05/31/2024 07:31*	WG2295242
(S) p-Terphenyl-d14	*84.6*			*10.0-120*		*05/31/2024 07:31*	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1739342-27 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	06/04/2024 14:49	WG2298380

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.94	B J T8	1.17	3.52	31	06/05/2024 02:02	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 02:02*	WG2298546

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U	J6 T8	78.7	430	100	06/06/2024 19:28	WG2299534
C22-C32 Hydrocarbons	1060	T8 V	143	430	100	06/06/2024 19:28	WG2299534
C32-C40 Hydrocarbons	1340	T8	143	430	100	06/06/2024 19:28	WG2299534
(S) o-Terphenyl	*72.8*	J7		*18.0-148*		*06/06/2024 19:28*	WG2299534

Sample Narrative:

L1739342-28 WG2299534: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	05/29/2024 15:29	WG2295025

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.97	B J	1.27	3.82	25	05/29/2024 19:00	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*05/29/2024 19:00*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0558	0.0765	1	05/30/2024 01:57	WG2295165
Acrylonitrile	U		0.00552	0.0191	1	05/30/2024 01:57	WG2295165
Benzene	U		0.000714	0.00153	1	05/30/2024 01:57	WG2295165
Bromobenzene	U		0.00138	0.0191	1	05/30/2024 01:57	WG2295165
Bromodichloromethane	U		0.00111	0.00382	1	05/30/2024 01:57	WG2295165
Bromoform	U		0.00179	0.0382	1	05/30/2024 01:57	WG2295165
Bromomethane	U		0.00301	0.0191	1	05/30/2024 01:57	WG2295165
n-Butylbenzene	U		0.00803	0.0191	1	05/30/2024 01:57	WG2295165
sec-Butylbenzene	U		0.00440	0.0191	1	05/30/2024 01:57	WG2295165
tert-Butylbenzene	U		0.00298	0.00765	1	05/30/2024 01:57	WG2295165
Carbon tetrachloride	U		0.00137	0.00765	1	05/30/2024 01:57	WG2295165
Chlorobenzene	U		0.000321	0.00382	1	05/30/2024 01:57	WG2295165
Chlorodibromomethane	U		0.000936	0.00382	1	05/30/2024 01:57	WG2295165
Chloroethane	U		0.00260	0.00765	1	05/30/2024 01:57	WG2295165
Chloroform	U		0.00157	0.00382	1	05/30/2024 01:57	WG2295165
Chloromethane	U		0.00665	0.0191	1	05/30/2024 01:57	WG2295165
2-Chlorotoluene	U		0.00132	0.00382	1	05/30/2024 01:57	WG2295165
4-Chlorotoluene	U		0.000688	0.00765	1	05/30/2024 01:57	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0382	1	05/30/2024 01:57	WG2295165
1,2-Dibromoethane	U		0.000991	0.00382	1	05/30/2024 01:57	WG2295165
Dibromomethane	U		0.00115	0.00765	1	05/30/2024 01:57	WG2295165
1,2-Dichlorobenzene	U		0.000650	0.00765	1	05/30/2024 01:57	WG2295165
1,3-Dichlorobenzene	U		0.000917	0.00765	1	05/30/2024 01:57	WG2295165
1,4-Dichlorobenzene	U		0.00107	0.00765	1	05/30/2024 01:57	WG2295165
Dichlorodifluoromethane	U		0.00246	0.00765	1	05/30/2024 01:57	WG2295165
1,1-Dichloroethane	U		0.000751	0.00382	1	05/30/2024 01:57	WG2295165
1,2-Dichloroethane	U		0.000992	0.00382	1	05/30/2024 01:57	WG2295165
1,1-Dichloroethene	U		0.000927	0.00382	1	05/30/2024 01:57	WG2295165
cis-1,2-Dichloroethene	U		0.00112	0.00382	1	05/30/2024 01:57	WG2295165
trans-1,2-Dichloroethene	U		0.00159	0.00765	1	05/30/2024 01:57	WG2295165
1,2-Dichloropropane	U		0.00217	0.00765	1	05/30/2024 01:57	WG2295165
1,1-Dichloropropene	U		0.00124	0.00382	1	05/30/2024 01:57	WG2295165
1,3-Dichloropropane	U		0.000766	0.00765	1	05/30/2024 01:57	WG2295165
cis-1,3-Dichloropropene	U		0.00116	0.00382	1	05/30/2024 01:57	WG2295165
trans-1,3-Dichloropropene	U		0.00174	0.00765	1	05/30/2024 01:57	WG2295165
2,2-Dichloropropane	U		0.00211	0.00382	1	05/30/2024 01:57	WG2295165
Di-isopropyl ether	U		0.000627	0.00153	1	05/30/2024 01:57	WG2295165
Ethylbenzene	U		0.00113	0.00382	1	05/30/2024 01:57	WG2295165
Hexachloro-1,3-butadiene	U		0.00917	0.0382	1	05/30/2024 01:57	WG2295165
Isopropylbenzene	U		0.000650	0.00382	1	05/30/2024 01:57	WG2295165
p-Isopropyltoluene	U		0.00390	0.00765	1	05/30/2024 01:57	WG2295165
2-Butanone (MEK)	U		0.0971	0.153	1	05/30/2024 01:57	WG2295165
Methylene Chloride	U		0.0102	0.0382	1	05/30/2024 01:57	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00349	0.0382	1	05/30/2024 01:57	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000535	0.00153	1	05/30/2024 01:57	WG2295165
Naphthalene	U		0.00746	0.0191	1	05/30/2024 01:57	WG2295165
n-Propylbenzene	U		0.00145	0.00765	1	05/30/2024 01:57	WG2295165
Styrene	U		0.000350	0.0191	1	05/30/2024 01:57	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00145	0.00382	1	05/30/2024 01:57	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00106	0.00382	1	05/30/2024 01:57	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00382	1	05/30/2024 01:57	WG2295165
Tetrachloroethene	U		0.00137	0.00382	1	05/30/2024 01:57	WG2295165
Toluene	0.00295	J	0.00199	0.00765	1	05/30/2024 01:57	WG2295165
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	05/30/2024 01:57	WG2295165
1,2,4-Trichlorobenzene	U		0.00673	0.0191	1	05/30/2024 01:57	WG2295165
1,1,1-Trichloroethane	U		0.00141	0.00382	1	05/30/2024 01:57	WG2295165
1,1,2-Trichloroethane	U		0.000913	0.00382	1	05/30/2024 01:57	WG2295165
Trichloroethene	U		0.000893	0.00153	1	05/30/2024 01:57	WG2295165
Trichlorofluoromethane	U		0.00126	0.00382	1	05/30/2024 01:57	WG2295165
1,2,3-Trichloropropane	U		0.00248	0.0191	1	05/30/2024 01:57	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00242	0.00765	1	05/30/2024 01:57	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00242	0.00765	1	05/30/2024 01:57	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00306	0.00765	1	05/30/2024 01:57	WG2295165
Vinyl chloride	U		0.00177	0.00382	1	05/30/2024 01:57	WG2295165
Xylenes, Total	U		0.00135	0.00994	1	05/30/2024 01:57	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2024 01:57*	WG2295165
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*05/30/2024 01:57*	WG2295165
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*05/30/2024 01:57*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.67	J	0.920	5.02	1	05/30/2024 17:16	WG2295238
C22-C32 Hydrocarbons	6.09		1.67	5.02	1	05/30/2024 17:16	WG2295238
C32-C40 Hydrocarbons	7.19		1.67	5.02	1	05/30/2024 17:16	WG2295238
(S) o-Terphenyl	*35.8*			*18.0-148*		*05/30/2024 17:16*	WG2295238

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	05/29/2024 15:29	WG2295025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0487	0.0667	1	05/30/2024 02:17	WG2295165
Acrylonitrile	U		0.00482	0.0167	1	05/30/2024 02:17	WG2295165
Benzene	U		0.000623	0.00133	1	05/30/2024 02:17	WG2295165
Bromobenzene	U		0.00120	0.0167	1	05/30/2024 02:17	WG2295165
Bromodichloromethane	U		0.000968	0.00334	1	05/30/2024 02:17	WG2295165
Bromoform	U		0.00156	0.0334	1	05/30/2024 02:17	WG2295165
Bromomethane	U		0.00263	0.0167	1	05/30/2024 02:17	WG2295165
n-Butylbenzene	U		0.00701	0.0167	1	05/30/2024 02:17	WG2295165
sec-Butylbenzene	U		0.00384	0.0167	1	05/30/2024 02:17	WG2295165
tert-Butylbenzene	U		0.00260	0.00667	1	05/30/2024 02:17	WG2295165
Carbon tetrachloride	U		0.00120	0.00667	1	05/30/2024 02:17	WG2295165
Chlorobenzene	U		0.000280	0.00334	1	05/30/2024 02:17	WG2295165
Chlorodibromomethane	U		0.000817	0.00334	1	05/30/2024 02:17	WG2295165
Chloroethane	U		0.00227	0.00667	1	05/30/2024 02:17	WG2295165
Chloroform	U		0.00137	0.00334	1	05/30/2024 02:17	WG2295165
Chloromethane	U		0.00581	0.0167	1	05/30/2024 02:17	WG2295165
2-Chlorotoluene	U		0.00115	0.00334	1	05/30/2024 02:17	WG2295165
4-Chlorotoluene	U		0.000601	0.00667	1	05/30/2024 02:17	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00521	0.0334	1	05/30/2024 02:17	WG2295165
1,2-Dibromoethane	U		0.000865	0.00334	1	05/30/2024 02:17	WG2295165
Dibromomethane	U		0.00100	0.00667	1	05/30/2024 02:17	WG2295165
1,2-Dichlorobenzene	U		0.000567	0.00667	1	05/30/2024 02:17	WG2295165
1,3-Dichlorobenzene	U		0.000801	0.00667	1	05/30/2024 02:17	WG2295165
1,4-Dichlorobenzene	U		0.000934	0.00667	1	05/30/2024 02:17	WG2295165
Dichlorodifluoromethane	U		0.00215	0.00667	1	05/30/2024 02:17	WG2295165
1,1-Dichloroethane	U		0.000655	0.00334	1	05/30/2024 02:17	WG2295165
1,2-Dichloroethane	U		0.000866	0.00334	1	05/30/2024 02:17	WG2295165
1,1-Dichloroethene	U		0.000809	0.00334	1	05/30/2024 02:17	WG2295165
cis-1,2-Dichloroethene	U		0.000980	0.00334	1	05/30/2024 02:17	WG2295165
trans-1,2-Dichloroethene	U		0.00139	0.00667	1	05/30/2024 02:17	WG2295165
1,2-Dichloropropane	U		0.00190	0.00667	1	05/30/2024 02:17	WG2295165
1,1-Dichloropropene	U		0.00108	0.00334	1	05/30/2024 02:17	WG2295165
1,3-Dichloropropane	U		0.000669	0.00667	1	05/30/2024 02:17	WG2295165
cis-1,3-Dichloropropene	U		0.00101	0.00334	1	05/30/2024 02:17	WG2295165
trans-1,3-Dichloropropene	U		0.00152	0.00667	1	05/30/2024 02:17	WG2295165
2,2-Dichloropropane	U		0.00184	0.00334	1	05/30/2024 02:17	WG2295165
Di-isopropyl ether	U		0.000547	0.00133	1	05/30/2024 02:17	WG2295165
Ethylbenzene	U		0.000984	0.00334	1	05/30/2024 02:17	WG2295165
Hexachloro-1,3-butadiene	U		0.00801	0.0334	1	05/30/2024 02:17	WG2295165
Isopropylbenzene	U		0.000567	0.00334	1	05/30/2024 02:17	WG2295165
p-Isopropyltoluene	U		0.00340	0.00667	1	05/30/2024 02:17	WG2295165
2-Butanone (MEK)	U		0.0848	0.133	1	05/30/2024 02:17	WG2295165
Methylene Chloride	U		0.00886	0.0334	1	05/30/2024 02:17	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00304	0.0334	1	05/30/2024 02:17	WG2295165
Methyl tert-butyl ether	U		0.000467	0.00133	1	05/30/2024 02:17	WG2295165
Naphthalene	U		0.00651	0.0167	1	05/30/2024 02:17	WG2295165
n-Propylbenzene	U		0.00127	0.00667	1	05/30/2024 02:17	WG2295165
Styrene	U		0.000306	0.0167	1	05/30/2024 02:17	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00127	0.00334	1	05/30/2024 02:17	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000928	0.00334	1	05/30/2024 02:17	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00334	1	05/30/2024 02:17	WG2295165
Tetrachloroethene	U		0.00120	0.00334	1	05/30/2024 02:17	WG2295165
Toluene	U		0.00174	0.00667	1	05/30/2024 02:17	WG2295165
1,2,3-Trichlorobenzene	U		0.00978	0.0167	1	05/30/2024 02:17	WG2295165
1,2,4-Trichlorobenzene	U		0.00587	0.0167	1	05/30/2024 02:17	WG2295165
1,1,1-Trichloroethane	U		0.00123	0.00334	1	05/30/2024 02:17	WG2295165
1,1,2-Trichloroethane	U		0.000797	0.00334	1	05/30/2024 02:17	WG2295165
Trichloroethene	U		0.000780	0.00133	1	05/30/2024 02:17	WG2295165
Trichlorofluoromethane	U		0.00110	0.00334	1	05/30/2024 02:17	WG2295165
1,2,3-Trichloropropane	U		0.00216	0.0167	1	05/30/2024 02:17	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00211	0.00667	1	05/30/2024 02:17	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00211	0.00667	1	05/30/2024 02:17	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00267	0.00667	1	05/30/2024 02:17	WG2295165
Vinyl chloride	U		0.00155	0.00334	1	05/30/2024 02:17	WG2295165
Xylenes, Total	U		0.00117	0.00868	1	05/30/2024 02:17	WG2295165
(S) Toluene-d8	*107*			*75.0-131*		*05/30/2024 02:17*	WG2295165
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*05/30/2024 02:17*	WG2295165
(S) 1,2-Dichloroethane-d4	*85.3*			*70.0-130*		*05/30/2024 02:17*	WG2295165

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.109		0.0196	0.0437	1	05/30/2024 15:27	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.50	J	0.594	2.18	1	06/01/2024 13:58	WG2295060
Arsenic	3.60		0.565	2.18	1	06/01/2024 13:58	WG2295060
Barium	91.3		0.0930	0.546	1	06/01/2024 13:58	WG2295060
Beryllium	0.250		0.0344	0.218	1	06/01/2024 13:58	WG2295060
Cadmium	0.0597	B J	0.0514	0.546	1	06/01/2024 13:58	WG2295060
Chromium	16.2		0.145	1.09	1	06/01/2024 13:58	WG2295060
Cobalt	7.65		0.0885	1.09	1	06/01/2024 13:58	WG2295060
Copper	20.8		0.437	2.18	1	06/01/2024 13:58	WG2295060
Lead	29.0		0.227	0.546	1	06/01/2024 13:58	WG2295060
Molybdenum	0.346	J	0.119	0.546	1	06/01/2024 13:58	WG2295060
Nickel	25.7		0.144	2.18	1	06/01/2024 13:58	WG2295060
Selenium	U		0.834	2.18	1	06/01/2024 13:58	WG2295060
Silver	U		0.139	1.09	1	06/01/2024 13:58	WG2295060
Thallium	1.75	J	0.430	2.18	1	06/01/2024 13:58	WG2295060
Vanadium	31.0		0.552	2.18	1	06/01/2024 13:58	WG2295060
Zinc	54.2		0.908	5.46	1	06/01/2024 13:58	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.08	B J T8	1.01	3.04	25	06/05/2024 02:25	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 02:25*	WG2298546

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0371	1	05/31/2024 02:37	WG2295241
PCB 1221	U		0.0129	0.0371	1	05/31/2024 02:37	WG2295241
PCB 1232	U		0.0129	0.0371	1	05/31/2024 02:37	WG2295241
PCB 1242	U		0.0129	0.0371	1	05/31/2024 02:37	WG2295241
PCB 1248	U		0.00805	0.0186	1	05/31/2024 02:37	WG2295241
PCB 1254	U		0.00805	0.0186	1	05/31/2024 02:37	WG2295241
PCB 1260	U		0.00805	0.0186	1	05/31/2024 02:37	WG2295241
(S) Decachlorobiphenyl	*57.1*			*10.0-135*		*05/31/2024 02:37*	WG2295241
(S) Tetrachloro-m-xylene	*61.0*			*10.0-139*		*05/31/2024 02:37*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0588	0.363	10	05/31/2024 07:51	WG2295242
Acenaphthylene	U		0.0512	0.363	10	05/31/2024 07:51	WG2295242
Anthracene	U		0.0647	0.363	10	05/31/2024 07:51	WG2295242
Benzidine	U		0.683	18.2	10	05/31/2024 07:51	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0641	0.363	10	05/31/2024 07:51	WG2295242
Benzo(b)fluoranthene	U		0.0678	0.363	10	05/31/2024 07:51	WG2295242
Benzo(k)fluoranthene	U		0.0646	0.363	10	05/31/2024 07:51	WG2295242
Benzo(g,h,i)perylene	U		0.0665	0.363	10	05/31/2024 07:51	WG2295242
Benzo(a)pyrene	U		0.0676	0.363	10	05/31/2024 07:51	WG2295242
Bis(2-chlorethoxy)methane	U		0.109	3.63	10	05/31/2024 07:51	WG2295242
Bis(2-chloroethyl)ether	U		0.120	3.63	10	05/31/2024 07:51	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.157	3.63	10	05/31/2024 07:51	WG2295242
4-Bromophenyl-phenylether	U		0.128	3.63	10	05/31/2024 07:51	WG2295242
2-Chloronaphthalene	U		0.0638	0.363	10	05/31/2024 07:51	WG2295242
4-Chlorophenyl-phenylether	U		0.127	3.63	10	05/31/2024 07:51	WG2295242
Chrysene	U		0.0723	0.363	10	05/31/2024 07:51	WG2295242
Dibenz(a,h)anthracene	U		0.101	0.363	10	05/31/2024 07:51	WG2295242
1,2-Dichlorobenzene	U		0.108	3.63	10	05/31/2024 07:51	WG2295242
1,3-Dichlorobenzene	U		0.110	3.63	10	05/31/2024 07:51	WG2295242
1,4-Dichlorobenzene	U		0.108	3.63	10	05/31/2024 07:51	WG2295242
3,3-Dichlorobenzidine	U		0.134	3.63	10	05/31/2024 07:51	WG2295242
2,4-Dinitrotoluene	U		0.104	3.63	10	05/31/2024 07:51	WG2295242
2,6-Dinitrotoluene	U		0.119	3.63	10	05/31/2024 07:51	WG2295242
Fluoranthene	U		0.0656	0.363	10	05/31/2024 07:51	WG2295242
Fluorene	U		0.0592	0.363	10	05/31/2024 07:51	WG2295242
Hexachlorobenzene	U		0.129	3.63	10	05/31/2024 07:51	WG2295242
Hexachloro-1,3-butadiene	U		0.122	3.63	10	05/31/2024 07:51	WG2295242
Hexachlorocyclopentadiene	U		0.191	3.63	10	05/31/2024 07:51	WG2295242
Hexachloroethane	U		0.143	3.63	10	05/31/2024 07:51	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.103	0.363	10	05/31/2024 07:51	WG2295242
Isophorone	U		0.111	3.63	10	05/31/2024 07:51	WG2295242
Naphthalene	U		0.0912	0.363	10	05/31/2024 07:51	WG2295242
Nitrobenzene	U		0.127	3.63	10	05/31/2024 07:51	WG2295242
n-Nitrosodimethylamine	U		0.539	3.63	10	05/31/2024 07:51	WG2295242
n-Nitrosodiphenylamine	U		0.275	3.63	10	05/31/2024 07:51	WG2295242
n-Nitrosodi-n-propylamine	U		0.121	3.63	10	05/31/2024 07:51	WG2295242
Phenanthrene	U		0.0721	0.363	10	05/31/2024 07:51	WG2295242
Benzylbutyl phthalate	U		0.114	3.63	10	05/31/2024 07:51	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.461	3.63	10	05/31/2024 07:51	WG2295242
Di-n-butyl phthalate	U		0.124	3.63	10	05/31/2024 07:51	WG2295242
Diethyl phthalate	U		0.120	3.63	10	05/31/2024 07:51	WG2295242
Dimethyl phthalate	U		0.771	3.63	10	05/31/2024 07:51	WG2295242
Di-n-octyl phthalate	U		0.246	3.63	10	05/31/2024 07:51	WG2295242
Pyrene	U		0.0707	0.363	10	05/31/2024 07:51	WG2295242
1,2,4-Trichlorobenzene	U		0.114	3.63	10	05/31/2024 07:51	WG2295242
4-Chloro-3-methylphenol	U		0.118	3.63	10	05/31/2024 07:51	WG2295242
2-Chlorophenol	U		0.120	3.63	10	05/31/2024 07:51	WG2295242
2,4-Dichlorophenol	U		0.106	3.63	10	05/31/2024 07:51	WG2295242
2,4-Dimethylphenol	U		0.0950	3.63	10	05/31/2024 07:51	WG2295242
4,6-Dinitro-2-methylphenol	U		0.824	3.63	10	05/31/2024 07:51	WG2295242
2,4-Dinitrophenol	U		0.850	3.63	10	05/31/2024 07:51	WG2295242
2-Nitrophenol	U		0.130	3.63	10	05/31/2024 07:51	WG2295242
4-Nitrophenol	U		0.114	3.63	10	05/31/2024 07:51	WG2295242
Pentachlorophenol	U		0.0978	3.63	10	05/31/2024 07:51	WG2295242
Phenol	U		0.146	3.63	10	05/31/2024 07:51	WG2295242
2,4,6-Trichlorophenol	U		0.117	3.63	10	05/31/2024 07:51	WG2295242
(S) 2-Fluorophenol	*79.8*			*12.0-120*		*05/31/2024 07:51*	WG2295242
(S) Phenol-d5	*76.3*			*10.0-120*		*05/31/2024 07:51*	WG2295242
(S) Nitrobenzene-d5	*63.9*			*10.0-122*		*05/31/2024 07:51*	WG2295242
(S) 2-Fluorobiphenyl	*73.8*			*15.0-120*		*05/31/2024 07:51*	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*65.7*			*10.0-127*		*05/31/2024 07:51*	WG2295242
(S) p-Terphenyl-d14	*79.8*			*10.0-120*		*05/31/2024 07:51*	WG2295242

Sample Narrative:

L1739342-32 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0708		0.0194	0.0432	1	05/30/2024 15:34	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	0.741	J	0.587	2.16	1	06/01/2024 13:59	WG2295060
Arsenic	3.22		0.559	2.16	1	06/01/2024 13:59	WG2295060
Barium	104		0.0920	0.540	1	06/01/2024 13:59	WG2295060
Beryllium	0.158	J	0.0340	0.216	1	06/01/2024 13:59	WG2295060
Cadmium	U		0.0508	0.540	1	06/01/2024 13:59	WG2295060
Chromium	15.4		0.144	1.08	1	06/01/2024 13:59	WG2295060
Cobalt	5.67		0.0875	1.08	1	06/01/2024 13:59	WG2295060
Copper	14.8		0.432	2.16	1	06/01/2024 13:59	WG2295060
Lead	16.6		0.225	0.540	1	06/01/2024 13:59	WG2295060
Molybdenum	0.287	J	0.118	0.540	1	06/01/2024 13:59	WG2295060
Nickel	27.1		0.142	2.16	1	06/01/2024 13:59	WG2295060
Selenium	U		0.825	2.16	1	06/01/2024 13:59	WG2295060
Silver	U		0.137	1.08	1	06/01/2024 13:59	WG2295060
Thallium	1.04	J	0.425	2.16	1	06/01/2024 13:59	WG2295060
Vanadium	20.1		0.546	2.16	1	06/01/2024 13:59	WG2295060
Zinc	44.3		0.898	5.40	1	06/01/2024 13:59	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.13	B J T8	1.00	3.02	25	06/05/2024 02:48	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/05/2024 02:48*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0436	0.0597	1	05/30/2024 02:38	WG2295165
Acrylonitrile	U		0.00431	0.0149	1	05/30/2024 02:38	WG2295165
Benzene	U		0.000557	0.00119	1	05/30/2024 02:38	WG2295165
Bromobenzene	U		0.00107	0.0149	1	05/30/2024 02:38	WG2295165
Bromodichloromethane	U		0.000865	0.00298	1	05/30/2024 02:38	WG2295165
Bromoform	U		0.00140	0.0298	1	05/30/2024 02:38	WG2295165
Bromomethane	U		0.00235	0.0149	1	05/30/2024 02:38	WG2295165
n-Butylbenzene	U		0.00627	0.0149	1	05/30/2024 02:38	WG2295165
sec-Butylbenzene	U		0.00344	0.0149	1	05/30/2024 02:38	WG2295165
tert-Butylbenzene	U		0.00233	0.00597	1	05/30/2024 02:38	WG2295165
Carbon tetrachloride	U		0.00107	0.00597	1	05/30/2024 02:38	WG2295165
Chlorobenzene	U		0.000251	0.00298	1	05/30/2024 02:38	WG2295165
Chlorodibromomethane	U		0.000730	0.00298	1	05/30/2024 02:38	WG2295165
Chloroethane	U		0.00203	0.00597	1	05/30/2024 02:38	WG2295165
Chloroform	U		0.00123	0.00298	1	05/30/2024 02:38	WG2295165
Chloromethane	U		0.00519	0.0149	1	05/30/2024 02:38	WG2295165
2-Chlorotoluene	U		0.00103	0.00298	1	05/30/2024 02:38	WG2295165
4-Chlorotoluene	U		0.000537	0.00597	1	05/30/2024 02:38	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00465	0.0298	1	05/30/2024 02:38	WG2295165
1,2-Dibromoethane	U		0.000773	0.00298	1	05/30/2024 02:38	WG2295165
Dibromomethane	U		0.000895	0.00597	1	05/30/2024 02:38	WG2295165
1,2-Dichlorobenzene	U		0.000507	0.00597	1	05/30/2024 02:38	WG2295165
1,3-Dichlorobenzene	U		0.000716	0.00597	1	05/30/2024 02:38	WG2295165
1,4-Dichlorobenzene	U		0.000836	0.00597	1	05/30/2024 02:38	WG2295165
Dichlorodifluoromethane	U		0.00192	0.00597	1	05/30/2024 02:38	WG2295165
1,1-Dichloroethane	U		0.000586	0.00298	1	05/30/2024 02:38	WG2295165
1,2-Dichloroethane	U		0.000775	0.00298	1	05/30/2024 02:38	WG2295165
1,1-Dichloroethene	U		0.000723	0.00298	1	05/30/2024 02:38	WG2295165
cis-1,2-Dichloroethene	U		0.000876	0.00298	1	05/30/2024 02:38	WG2295165
trans-1,2-Dichloroethene	U		0.00124	0.00597	1	05/30/2024 02:38	WG2295165
1,2-Dichloropropane	U		0.00169	0.00597	1	05/30/2024 02:38	WG2295165
1,1-Dichloropropene	U		0.000966	0.00298	1	05/30/2024 02:38	WG2295165
1,3-Dichloropropane	U		0.000598	0.00597	1	05/30/2024 02:38	WG2295165
cis-1,3-Dichloropropene	U		0.000904	0.00298	1	05/30/2024 02:38	WG2295165
trans-1,3-Dichloropropene	U		0.00136	0.00597	1	05/30/2024 02:38	WG2295165
2,2-Dichloropropane	U		0.00165	0.00298	1	05/30/2024 02:38	WG2295165
Di-isopropyl ether	U		0.000489	0.00119	1	05/30/2024 02:38	WG2295165
Ethylbenzene	U		0.000880	0.00298	1	05/30/2024 02:38	WG2295165
Hexachloro-1,3-butadiene	U		0.00716	0.0298	1	05/30/2024 02:38	WG2295165
Isopropylbenzene	U		0.000507	0.00298	1	05/30/2024 02:38	WG2295165
p-Isopropyltoluene	U		0.00304	0.00597	1	05/30/2024 02:38	WG2295165
2-Butanone (MEK)	U		0.0758	0.119	1	05/30/2024 02:38	WG2295165
Methylene Chloride	U		0.00793	0.0298	1	05/30/2024 02:38	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00272	0.0298	1	05/30/2024 02:38	WG2295165
Methyl tert-butyl ether	U		0.000418	0.00119	1	05/30/2024 02:38	WG2295165
Naphthalene	U		0.00582	0.0149	1	05/30/2024 02:38	WG2295165
n-Propylbenzene	U		0.00113	0.00597	1	05/30/2024 02:38	WG2295165
Styrene	U		0.000273	0.0149	1	05/30/2024 02:38	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	05/30/2024 02:38	WG2295165
1,1,2,2-Tetrachloroethane	U		0.000830	0.00298	1	05/30/2024 02:38	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.000900	0.00298	1	05/30/2024 02:38	WG2295165
Tetrachloroethene	U		0.00107	0.00298	1	05/30/2024 02:38	WG2295165
Toluene	U		0.00155	0.00597	1	05/30/2024 02:38	WG2295165
1,2,3-Trichlorobenzene	U		0.00875	0.0149	1	05/30/2024 02:38	WG2295165
1,2,4-Trichlorobenzene	U		0.00525	0.0149	1	05/30/2024 02:38	WG2295165
1,1,1-Trichloroethane	U		0.00110	0.00298	1	05/30/2024 02:38	WG2295165
1,1,2-Trichloroethane	U		0.000713	0.00298	1	05/30/2024 02:38	WG2295165
Trichloroethene	U		0.000697	0.00119	1	05/30/2024 02:38	WG2295165
Trichlorofluoromethane	U		0.000987	0.00298	1	05/30/2024 02:38	WG2295165
1,2,3-Trichloropropane	U		0.00193	0.0149	1	05/30/2024 02:38	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00189	0.00597	1	05/30/2024 02:38	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00189	0.00597	1	05/30/2024 02:38	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00239	0.00597	1	05/30/2024 02:38	WG2295165
Vinyl chloride	U		0.00138	0.00298	1	05/30/2024 02:38	WG2295165
Xylenes, Total	U		0.00105	0.00776	1	05/30/2024 02:38	WG2295165
(S) Toluene-d8	*109*			*75.0-131*		*05/30/2024 02:38*	WG2295165
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*05/30/2024 02:38*	WG2295165
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*05/30/2024 02:38*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U	T8	79.1	432	100	06/06/2024 18:16	WG2299534
C22-C32 Hydrocarbons	773	T8	144	432	100	06/06/2024 18:16	WG2299534
C32-C40 Hydrocarbons	999	T8	144	432	100	06/06/2024 18:16	WG2299534
(S) o-Terphenyl	*91.9*	J7		*18.0-148*		*06/06/2024 18:16*	WG2299534

Sample Narrative:

L1739342-33 WG2299534: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0582	0.359	10	05/31/2024 08:12	WG2295242
Acenaphthylene	U		0.0506	0.359	10	05/31/2024 08:12	WG2295242
Anthracene	U		0.0640	0.359	10	05/31/2024 08:12	WG2295242
Benzidine	U		0.676	18.0	10	05/31/2024 08:12	WG2295242
Benzo(a)anthracene	U		0.0634	0.359	10	05/31/2024 08:12	WG2295242
Benzo(b)fluoranthene	U		0.0670	0.359	10	05/31/2024 08:12	WG2295242
Benzo(k)fluoranthene	U		0.0639	0.359	10	05/31/2024 08:12	WG2295242
Benzo(g,h,i)perylene	U		0.0657	0.359	10	05/31/2024 08:12	WG2295242
Benzo(a)pyrene	U		0.0668	0.359	10	05/31/2024 08:12	WG2295242
Bis(2-chlorethoxy)methane	U		0.108	3.59	10	05/31/2024 08:12	WG2295242
Bis(2-chloroethyl)ether	U		0.119	3.59	10	05/31/2024 08:12	WG2295242
2,2-Oxybis(1-Chloropropane)	U		0.155	3.59	10	05/31/2024 08:12	WG2295242
4-Bromophenyl-phenylether	U		0.126	3.59	10	05/31/2024 08:12	WG2295242
2-Chloronaphthalene	U		0.0631	0.359	10	05/31/2024 08:12	WG2295242
4-Chlorophenyl-phenylether	U		0.125	3.59	10	05/31/2024 08:12	WG2295242
Chrysene	U		0.0715	0.359	10	05/31/2024 08:12	WG2295242
Dibenz(a,h)anthracene	U		0.0996	0.359	10	05/31/2024 08:12	WG2295242
1,2-Dichlorobenzene	U		0.107	3.59	10	05/31/2024 08:12	WG2295242
1,3-Dichlorobenzene	U		0.109	3.59	10	05/31/2024 08:12	WG2295242
1,4-Dichlorobenzene	U		0.107	3.59	10	05/31/2024 08:12	WG2295242
3,3-Dichlorobenzidine	U		0.133	3.59	10	05/31/2024 08:12	WG2295242
2,4-Dinitrotoluene	U		0.103	3.59	10	05/31/2024 08:12	WG2295242
2,6-Dinitrotoluene	U		0.118	3.59	10	05/31/2024 08:12	WG2295242
Fluoranthene	U		0.0649	0.359	10	05/31/2024 08:12	WG2295242
Fluorene	U		0.0585	0.359	10	05/31/2024 08:12	WG2295242
Hexachlorobenzene	U		0.127	3.59	10	05/31/2024 08:12	WG2295242
Hexachloro-1,3-butadiene	U		0.121	3.59	10	05/31/2024 08:12	WG2295242
Hexachlorocyclopentadiene	U		0.189	3.59	10	05/31/2024 08:12	WG2295242
Hexachloroethane	U		0.141	3.59	10	05/31/2024 08:12	WG2295242
Indeno(1,2,3-cd)pyrene	U		0.102	0.359	10	05/31/2024 08:12	WG2295242
Isophorone	U		0.110	3.59	10	05/31/2024 08:12	WG2295242
Naphthalene	U		0.0902	0.359	10	05/31/2024 08:12	WG2295242
Nitrobenzene	U		0.125	3.59	10	05/31/2024 08:12	WG2295242
n-Nitrosodimethylamine	U		0.533	3.59	10	05/31/2024 08:12	WG2295242
n-Nitrosodiphenylamine	U		0.272	3.59	10	05/31/2024 08:12	WG2295242
n-Nitrosodi-n-propylamine	U		0.120	3.59	10	05/31/2024 08:12	WG2295242
Phenanthrene	U		0.0713	0.359	10	05/31/2024 08:12	WG2295242
Benzylbutyl phthalate	U		0.112	3.59	10	05/31/2024 08:12	WG2295242
Bis(2-ethylhexyl)phthalate	U		0.455	3.59	10	05/31/2024 08:12	WG2295242
Di-n-butyl phthalate	U		0.123	3.59	10	05/31/2024 08:12	WG2295242
Diethyl phthalate	U		0.119	3.59	10	05/31/2024 08:12	WG2295242
Dimethyl phthalate	U		0.762	3.59	10	05/31/2024 08:12	WG2295242
Di-n-octyl phthalate	U		0.243	3.59	10	05/31/2024 08:12	WG2295242
Pyrene	U		0.0699	0.359	10	05/31/2024 08:12	WG2295242
1,2,4-Trichlorobenzene	U		0.112	3.59	10	05/31/2024 08:12	WG2295242

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.117	3.59	10	05/31/2024 08:12	WG2295242
2-Chlorophenol	U		0.119	3.59	10	05/31/2024 08:12	WG2295242
2,4-Dichlorophenol	U		0.105	3.59	10	05/31/2024 08:12	WG2295242
2,4-Dimethylphenol	U		0.0939	3.59	10	05/31/2024 08:12	WG2295242
4,6-Dinitro-2-methylphenol	U		0.815	3.59	10	05/31/2024 08:12	WG2295242
2,4-Dinitrophenol	U		0.841	3.59	10	05/31/2024 08:12	WG2295242
2-Nitrophenol	U		0.128	3.59	10	05/31/2024 08:12	WG2295242
4-Nitrophenol	U		0.112	3.59	10	05/31/2024 08:12	WG2295242
Pentachlorophenol	U		0.0967	3.59	10	05/31/2024 08:12	WG2295242
Phenol	U		0.145	3.59	10	05/31/2024 08:12	WG2295242
2,4,6-Trichlorophenol	U		0.115	3.59	10	05/31/2024 08:12	WG2295242
(S) 2-Fluorophenol	*74.1*			*12.0-120*		*05/31/2024 08:12*	WG2295242
(S) Phenol-d5	*73.0*			*10.0-120*		*05/31/2024 08:12*	WG2295242
(S) Nitrobenzene-d5	*69.2*			*10.0-122*		*05/31/2024 08:12*	WG2295242
(S) 2-Fluorobiphenyl	*72.3*			*15.0-120*		*05/31/2024 08:12*	WG2295242
(S) 2,4,6-Tribromophenol	*59.6*			*10.0-127*		*05/31/2024 08:12*	WG2295242
(S) p-Terphenyl-d14	*85.1*			*10.0-120*		*05/31/2024 08:12*	WG2295242

Sample Narrative:

L1739342-33 WG2295242: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	05/29/2024 15:29	WG2295025

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.101		0.0191	0.0424	1	05/30/2024 15:37	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.15		0.577	2.12	1	06/01/2024 14:01	WG2295060
Arsenic	4.48		0.549	2.12	1	06/01/2024 14:01	WG2295060
Barium	137		0.0904	0.530	1	06/01/2024 14:01	WG2295060
Beryllium	0.205	J	0.0334	0.212	1	06/01/2024 14:01	WG2295060
Cadmium	0.121	B J	0.0500	0.530	1	06/01/2024 14:01	WG2295060
Chromium	19.8		0.141	1.06	1	06/01/2024 14:01	WG2295060
Cobalt	6.52		0.0860	1.06	1	06/01/2024 14:01	WG2295060
Copper	22.2		0.424	2.12	1	06/01/2024 14:01	WG2295060
Lead	23.3		0.221	0.530	1	06/01/2024 14:01	WG2295060
Molybdenum	0.825		0.116	0.530	1	06/01/2024 14:01	WG2295060
Nickel	30.9		0.140	2.12	1	06/01/2024 14:01	WG2295060
Selenium	U		0.810	2.12	1	06/01/2024 14:01	WG2295060
Silver	U		0.135	1.06	1	06/01/2024 14:01	WG2295060
Thallium	1.44	J	0.418	2.12	1	06/01/2024 14:01	WG2295060
Vanadium	27.6		0.537	2.12	1	06/01/2024 14:01	WG2295060
Zinc	75.9		0.882	5.30	1	06/01/2024 14:01	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.10	J	0.976	2.94	26.3	05/30/2024 12:56	WG2295424
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*05/30/2024 12:56*	WG2295424

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0412	0.0564	1	05/30/2024 15:35	WG2295400
Acrylonitrile	U		0.00407	0.0141	1	05/30/2024 15:35	WG2295400
Benzene	0.000627	J	0.000527	0.00113	1	05/30/2024 15:35	WG2295400
Bromobenzene	U		0.00102	0.0141	1	05/30/2024 15:35	WG2295400
Bromodichloromethane	U		0.000818	0.00282	1	05/30/2024 15:35	WG2295400
Bromoform	U		0.00132	0.0282	1	05/30/2024 15:35	WG2295400
Bromomethane	U		0.00222	0.0141	1	05/30/2024 15:35	WG2295400
n-Butylbenzene	U		0.00592	0.0141	1	05/30/2024 15:35	WG2295400
sec-Butylbenzene	U		0.00325	0.0141	1	05/30/2024 15:35	WG2295400
tert-Butylbenzene	U		0.00220	0.00564	1	05/30/2024 15:35	WG2295400
Carbon tetrachloride	U		0.00101	0.00564	1	05/30/2024 15:35	WG2295400
Chlorobenzene	U		0.000237	0.00282	1	05/30/2024 15:35	WG2295400
Chlorodibromomethane	U		0.000690	0.00282	1	05/30/2024 15:35	WG2295400
Chloroethane	U		0.00192	0.00564	1	05/30/2024 15:35	WG2295400
Chloroform	U		0.00116	0.00282	1	05/30/2024 15:35	WG2295400
Chloromethane	U		0.00491	0.0141	1	05/30/2024 15:35	WG2295400
2-Chlorotoluene	U		0.000976	0.00282	1	05/30/2024 15:35	WG2295400
4-Chlorotoluene	U		0.000508	0.00564	1	05/30/2024 15:35	WG2295400

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00440	0.0282	1	05/30/2024 15:35	WG2295400
1,2-Dibromoethane	U		0.000731	0.00282	1	05/30/2024 15:35	WG2295400
Dibromomethane	U		0.000846	0.00564	1	05/30/2024 15:35	WG2295400
1,2-Dichlorobenzene	U		0.000480	0.00564	1	05/30/2024 15:35	WG2295400
1,3-Dichlorobenzene	U		0.000677	0.00564	1	05/30/2024 15:35	WG2295400
1,4-Dichlorobenzene	U		0.000790	0.00564	1	05/30/2024 15:35	WG2295400
Dichlorodifluoromethane	U		0.00182	0.00564	1	05/30/2024 15:35	WG2295400
1,1-Dichloroethane	U		0.000554	0.00282	1	05/30/2024 15:35	WG2295400
1,2-Dichloroethane	U		0.000732	0.00282	1	05/30/2024 15:35	WG2295400
1,1-Dichloroethene	U		0.000684	0.00282	1	05/30/2024 15:35	WG2295400
cis-1,2-Dichloroethene	U		0.000828	0.00282	1	05/30/2024 15:35	WG2295400
trans-1,2-Dichloroethene	U		0.00117	0.00564	1	05/30/2024 15:35	WG2295400
1,2-Dichloropropane	U		0.00160	0.00564	1	05/30/2024 15:35	WG2295400
1,1-Dichloropropene	U		0.000913	0.00282	1	05/30/2024 15:35	WG2295400
1,3-Dichloropropane	U		0.000565	0.00564	1	05/30/2024 15:35	WG2295400
cis-1,3-Dichloropropene	U		0.000854	0.00282	1	05/30/2024 15:35	WG2295400
trans-1,3-Dichloropropene	U		0.00129	0.00564	1	05/30/2024 15:35	WG2295400
2,2-Dichloropropane	U		0.00156	0.00282	1	05/30/2024 15:35	WG2295400
Di-isopropyl ether	U		0.000463	0.00113	1	05/30/2024 15:35	WG2295400
Ethylbenzene	U		0.000832	0.00282	1	05/30/2024 15:35	WG2295400
Hexachloro-1,3-butadiene	U		0.00677	0.0282	1	05/30/2024 15:35	WG2295400
Isopropylbenzene	U		0.000480	0.00282	1	05/30/2024 15:35	WG2295400
p-Isopropyltoluene	U		0.00288	0.00564	1	05/30/2024 15:35	WG2295400
2-Butanone (MEK)	U	J4	0.0716	0.113	1	05/30/2024 15:35	WG2295400
Methylene Chloride	U		0.00749	0.0282	1	05/30/2024 15:35	WG2295400
4-Methyl-2-pentanone (MIBK)	U		0.00257	0.0282	1	05/30/2024 15:35	WG2295400
Methyl tert-butyl ether	U		0.000395	0.00113	1	05/30/2024 15:35	WG2295400
Naphthalene	U		0.00551	0.0141	1	05/30/2024 15:35	WG2295400
n-Propylbenzene	U		0.00107	0.00564	1	05/30/2024 15:35	WG2295400
Styrene	U		0.000258	0.0141	1	05/30/2024 15:35	WG2295400
1,1,1,2-Tetrachloroethane	U		0.00107	0.00282	1	05/30/2024 15:35	WG2295400
1,1,2,2-Tetrachloroethane	U		0.000784	0.00282	1	05/30/2024 15:35	WG2295400
1,1,2-Trichlorotrifluoroethane	U		0.000851	0.00282	1	05/30/2024 15:35	WG2295400
Tetrachloroethene	U		0.00101	0.00282	1	05/30/2024 15:35	WG2295400
Toluene	0.00271	J	0.00147	0.00564	1	05/30/2024 15:35	WG2295400
1,2,3-Trichlorobenzene	U		0.00827	0.0141	1	05/30/2024 15:35	WG2295400
1,2,4-Trichlorobenzene	U		0.00496	0.0141	1	05/30/2024 15:35	WG2295400
1,1,1-Trichloroethane	U		0.00104	0.00282	1	05/30/2024 15:35	WG2295400
1,1,2-Trichloroethane	U		0.000674	0.00282	1	05/30/2024 15:35	WG2295400
Trichloroethene	U		0.000659	0.00113	1	05/30/2024 15:35	WG2295400
Trichlorofluoromethane	U		0.000933	0.00282	1	05/30/2024 15:35	WG2295400
1,2,3-Trichloropropane	U		0.00183	0.0141	1	05/30/2024 15:35	WG2295400
1,2,4-Trimethylbenzene	U		0.00178	0.00564	1	05/30/2024 15:35	WG2295400
1,2,3-Trimethylbenzene	U		0.00178	0.00564	1	05/30/2024 15:35	WG2295400
1,3,5-Trimethylbenzene	U		0.00226	0.00564	1	05/30/2024 15:35	WG2295400
Vinyl chloride	U		0.00131	0.00282	1	05/30/2024 15:35	WG2295400
Xylenes, Total	0.00336	J	0.000993	0.00733	1	05/30/2024 15:35	WG2295400
(S) Toluene-d8	*97.8*			*75.0-131*		*05/30/2024 15:35*	WG2295400
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/30/2024 15:35*	WG2295400
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*05/30/2024 15:35*	WG2295400

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		156	848	200	05/31/2024 11:54	WG2295239
C22-C32 Hydrocarbons	2080		282	848	200	05/31/2024 11:54	WG2295239
C32-C40 Hydrocarbons	2180		282	848	200	05/31/2024 11:54	WG2295239
(S) o-Terphenyl	*115*	J7		*18.0-148*		*05/31/2024 11:54*	WG2295239

Sample Narrative:

L1739342-34 WG2295239: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.115	0.706	20	06/01/2024 00:50	WG2295243
Acenaphthylene	U		0.0995	0.706	20	06/01/2024 00:50	WG2295243
Anthracene	U		0.126	0.706	20	06/01/2024 00:50	WG2295243
Benzidine	U		1.33	35.4	20	06/01/2024 00:50	WG2295243
Benzo(a)anthracene	U		0.124	0.706	20	06/01/2024 00:50	WG2295243
Benzo(b)fluoranthene	0.157	J	0.132	0.706	20	06/01/2024 00:50	WG2295243
Benzo(k)fluoranthene	U		0.125	0.706	20	06/01/2024 00:50	WG2295243
Benzo(g,h,i)perylene	0.147	J	0.129	0.706	20	06/01/2024 00:50	WG2295243
Benzo(a)pyrene	0.137	J	0.132	0.706	20	06/01/2024 00:50	WG2295243
Bis(2-chlorethoxy)methane	U		0.212	7.06	20	06/01/2024 00:50	WG2295243
Bis(2-chloroethyl)ether	U		0.233	7.06	20	06/01/2024 00:50	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.305	7.06	20	06/01/2024 00:50	WG2295243
4-Bromophenyl-phenylether	U		0.248	7.06	20	06/01/2024 00:50	WG2295243
2-Chloronaphthalene	U		0.124	0.706	20	06/01/2024 00:50	WG2295243
4-Chlorophenyl-phenylether	U		0.246	7.06	20	06/01/2024 00:50	WG2295243
Chrysene	U		0.140	0.706	20	06/01/2024 00:50	WG2295243
Dibenz(a,h)anthracene	U		0.196	0.706	20	06/01/2024 00:50	WG2295243
1,2-Dichlorobenzene	U		0.209	7.06	20	06/01/2024 00:50	WG2295243
1,3-Dichlorobenzene	U		0.214	7.06	20	06/01/2024 00:50	WG2295243
1,4-Dichlorobenzene	U		0.210	7.06	20	06/01/2024 00:50	WG2295243
3,3-Dichlorobenzidine	U		0.261	7.06	20	06/01/2024 00:50	WG2295243
2,4-Dinitrotoluene	U		0.203	7.06	20	06/01/2024 00:50	WG2295243
2,6-Dinitrotoluene	U		0.231	7.06	20	06/01/2024 00:50	WG2295243
Fluoranthene	U		0.127	0.706	20	06/01/2024 00:50	WG2295243
Fluorene	U		0.115	0.706	20	06/01/2024 00:50	WG2295243
Hexachlorobenzene	U		0.250	7.06	20	06/01/2024 00:50	WG2295243
Hexachloro-1,3-butadiene	U		0.238	7.06	20	06/01/2024 00:50	WG2295243
Hexachlorocyclopentadiene	U		0.371	7.06	20	06/01/2024 00:50	WG2295243
Hexachloroethane	U		0.278	7.06	20	06/01/2024 00:50	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.199	0.706	20	06/01/2024 00:50	WG2295243
Isophorone	U		0.216	7.06	20	06/01/2024 00:50	WG2295243
Naphthalene	U		0.177	0.706	20	06/01/2024 00:50	WG2295243
Nitrobenzene	U		0.246	7.06	20	06/01/2024 00:50	WG2295243
n-Nitrosodimethylamine	U		1.05	7.06	20	06/01/2024 00:50	WG2295243
n-Nitrosodiphenylamine	U		0.535	7.06	20	06/01/2024 00:50	WG2295243
n-Nitrosodi-n-propylamine	U		0.235	7.06	20	06/01/2024 00:50	WG2295243
Phenanthrene	U		0.140	0.706	20	06/01/2024 00:50	WG2295243
Benzylbutyl phthalate	U		0.221	7.06	20	06/01/2024 00:50	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.895	7.06	20	06/01/2024 00:50	WG2295243
Di-n-butyl phthalate	U		0.242	7.06	20	06/01/2024 00:50	WG2295243
Diethyl phthalate	U		0.233	7.06	20	06/01/2024 00:50	WG2295243
Dimethyl phthalate	U		1.50	7.06	20	06/01/2024 00:50	WG2295243
Di-n-octyl phthalate	U		0.477	7.06	20	06/01/2024 00:50	WG2295243
Pyrene	U		0.138	0.706	20	06/01/2024 00:50	WG2295243
1,2,4-Trichlorobenzene	U		0.221	7.06	20	06/01/2024 00:50	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.229	7.06	20	06/01/2024 00:50	WG2295243
2-Chlorophenol	U		0.233	7.06	20	06/01/2024 00:50	WG2295243
2,4-Dichlorophenol	U		0.206	7.06	20	06/01/2024 00:50	WG2295243
2,4-Dimethylphenol	U		0.185	7.06	20	06/01/2024 00:50	WG2295243
4,6-Dinitro-2-methylphenol	U		1.60	7.06	20	06/01/2024 00:50	WG2295243
2,4-Dinitrophenol	U		1.65	7.06	20	06/01/2024 00:50	WG2295243
2-Nitrophenol	U		0.252	7.06	20	06/01/2024 00:50	WG2295243
4-Nitrophenol	U		0.221	7.06	20	06/01/2024 00:50	WG2295243
Pentachlorophenol	U		0.190	7.06	20	06/01/2024 00:50	WG2295243
Phenol	U		0.284	7.06	20	06/01/2024 00:50	WG2295243
2,4,6-Trichlorophenol	U		0.227	7.06	20	06/01/2024 00:50	WG2295243
(S) 2-Fluorophenol	*111*	J7		*12.0-120*		*06/01/2024 00:50*	WG2295243
(S) Phenol-d5	*99.1*	J7		*10.0-120*		*06/01/2024 00:50*	WG2295243
(S) Nitrobenzene-d5	*76.5*	J7		*10.0-122*		*06/01/2024 00:50*	WG2295243
(S) 2-Fluorobiphenyl	*100*	J7		*15.0-120*		*06/01/2024 00:50*	WG2295243
(S) 2,4,6-Tribromophenol	*106*	J7		*10.0-127*		*06/01/2024 00:50*	WG2295243
(S) p-Terphenyl-d14	*105*	J7		*10.0-120*		*06/01/2024 00:50*	WG2295243

Sample Narrative:

L1739342-34 WG2295243: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	06/10/2024 16:19	WG2302291

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.33	B J T8	0.997	3.00	25	06/05/2024 03:11	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 03:11*	WG2298546

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U	T8	80.3	438	100	06/06/2024 20:11	WG2299534
C22-C32 Hydrocarbons	1740	T8	146	438	100	06/06/2024 20:11	WG2299534
C32-C40 Hydrocarbons	1490	T8	146	438	100	06/06/2024 20:11	WG2299534
(S) o-Terphenyl	*85.2*	J7		*18.0-148*		*06/06/2024 20:11*	WG2299534

Sample Narrative:

L1739342-35 WG2299534: Cannot run at lower dilution due to viscosity of extract.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	05/29/2024 15:29	WG2295025

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.64	B J	1.45	4.38	28	05/29/2024 19:19	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*05/29/2024 19:19*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0610	J	0.0583	0.0798	1	05/30/2024 02:58	WG2295165
Acrylonitrile	U		0.00576	0.0200	1	05/30/2024 02:58	WG2295165
Benzene	U		0.000746	0.00160	1	05/30/2024 02:58	WG2295165
Bromobenzene	U		0.00144	0.0200	1	05/30/2024 02:58	WG2295165
Bromodichloromethane	U		0.00116	0.00399	1	05/30/2024 02:58	WG2295165
Bromoform	U		0.00187	0.0399	1	05/30/2024 02:58	WG2295165
Bromomethane	U		0.00315	0.0200	1	05/30/2024 02:58	WG2295165
n-Butylbenzene	U		0.00838	0.0200	1	05/30/2024 02:58	WG2295165
sec-Butylbenzene	U		0.00460	0.0200	1	05/30/2024 02:58	WG2295165
tert-Butylbenzene	U		0.00311	0.00798	1	05/30/2024 02:58	WG2295165
Carbon tetrachloride	U		0.00143	0.00798	1	05/30/2024 02:58	WG2295165
Chlorobenzene	U		0.000335	0.00399	1	05/30/2024 02:58	WG2295165
Chlorodibromomethane	U		0.000977	0.00399	1	05/30/2024 02:58	WG2295165
Chloroethane	U		0.00271	0.00798	1	05/30/2024 02:58	WG2295165
Chloroform	U		0.00164	0.00399	1	05/30/2024 02:58	WG2295165
Chloromethane	U		0.00694	0.0200	1	05/30/2024 02:58	WG2295165
2-Chlorotoluene	U		0.00138	0.00399	1	05/30/2024 02:58	WG2295165
4-Chlorotoluene	U		0.000718	0.00798	1	05/30/2024 02:58	WG2295165
1,2-Dibromo-3-Chloropropane	U		0.00623	0.0399	1	05/30/2024 02:58	WG2295165
1,2-Dibromoethane	U		0.00103	0.00399	1	05/30/2024 02:58	WG2295165
Dibromomethane	U		0.00120	0.00798	1	05/30/2024 02:58	WG2295165
1,2-Dichlorobenzene	U		0.000679	0.00798	1	05/30/2024 02:58	WG2295165
1,3-Dichlorobenzene	U		0.000958	0.00798	1	05/30/2024 02:58	WG2295165
1,4-Dichlorobenzene	U		0.00112	0.00798	1	05/30/2024 02:58	WG2295165
Dichlorodifluoromethane	U		0.00257	0.00798	1	05/30/2024 02:58	WG2295165
1,1-Dichloroethane	U		0.000784	0.00399	1	05/30/2024 02:58	WG2295165
1,2-Dichloroethane	U		0.00104	0.00399	1	05/30/2024 02:58	WG2295165
1,1-Dichloroethene	U		0.000967	0.00399	1	05/30/2024 02:58	WG2295165
cis-1,2-Dichloroethene	U		0.00117	0.00399	1	05/30/2024 02:58	WG2295165
trans-1,2-Dichloroethene	U		0.00166	0.00798	1	05/30/2024 02:58	WG2295165
1,2-Dichloropropane	U		0.00227	0.00798	1	05/30/2024 02:58	WG2295165
1,1-Dichloropropene	U		0.00129	0.00399	1	05/30/2024 02:58	WG2295165
1,3-Dichloropropane	U		0.000800	0.00798	1	05/30/2024 02:58	WG2295165
cis-1,3-Dichloropropene	U		0.00121	0.00399	1	05/30/2024 02:58	WG2295165
trans-1,3-Dichloropropene	U		0.00182	0.00798	1	05/30/2024 02:58	WG2295165
2,2-Dichloropropane	U		0.00220	0.00399	1	05/30/2024 02:58	WG2295165
Di-isopropyl ether	U		0.000655	0.00160	1	05/30/2024 02:58	WG2295165
Ethylbenzene	U		0.00118	0.00399	1	05/30/2024 02:58	WG2295165
Hexachloro-1,3-butadiene	U		0.00958	0.0399	1	05/30/2024 02:58	WG2295165
Isopropylbenzene	U		0.000679	0.00399	1	05/30/2024 02:58	WG2295165
p-Isopropyltoluene	U		0.00407	0.00798	1	05/30/2024 02:58	WG2295165
2-Butanone (MEK)	U		0.101	0.160	1	05/30/2024 02:58	WG2295165
Methylene Chloride	U		0.0106	0.0399	1	05/30/2024 02:58	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00364	0.0399	1	05/30/2024 02:58	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000559	0.00160	1	05/30/2024 02:58	WG2295165
Naphthalene	U		0.00779	0.0200	1	05/30/2024 02:58	WG2295165
n-Propylbenzene	U		0.00152	0.00798	1	05/30/2024 02:58	WG2295165
Styrene	U		0.000366	0.0200	1	05/30/2024 02:58	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00151	0.00399	1	05/30/2024 02:58	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00111	0.00399	1	05/30/2024 02:58	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00120	0.00399	1	05/30/2024 02:58	WG2295165
Tetrachloroethene	U		0.00143	0.00399	1	05/30/2024 02:58	WG2295165
Toluene	U		0.00208	0.00798	1	05/30/2024 02:58	WG2295165
1,2,3-Trichlorobenzene	U		0.0117	0.0200	1	05/30/2024 02:58	WG2295165
1,2,4-Trichlorobenzene	U		0.00702	0.0200	1	05/30/2024 02:58	WG2295165
1,1,1-Trichloroethane	U		0.00147	0.00399	1	05/30/2024 02:58	WG2295165
1,1,2-Trichloroethane	U		0.000953	0.00399	1	05/30/2024 02:58	WG2295165
Trichloroethene	U		0.000932	0.00160	1	05/30/2024 02:58	WG2295165
Trichlorofluoromethane	U		0.00132	0.00399	1	05/30/2024 02:58	WG2295165
1,2,3-Trichloropropane	U		0.00259	0.0200	1	05/30/2024 02:58	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00252	0.00798	1	05/30/2024 02:58	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00252	0.00798	1	05/30/2024 02:58	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00319	0.00798	1	05/30/2024 02:58	WG2295165
Vinyl chloride	U		0.00185	0.00399	1	05/30/2024 02:58	WG2295165
Xylenes, Total	U		0.00140	0.0104	1	05/30/2024 02:58	WG2295165
(S) Toluene-d8	*107*			*75.0-131*		*05/30/2024 02:58*	WG2295165
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*05/30/2024 02:58*	WG2295165
(S) 1,2-Dichloroethane-d4	*86.5*			*70.0-130*		*05/30/2024 02:58*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.25	J	0.952	5.19	1	05/30/2024 19:18	WG2295239
C22-C32 Hydrocarbons	16.1		1.73	5.19	1	05/30/2024 19:18	WG2295239
C32-C40 Hydrocarbons	16.4		1.73	5.19	1	05/30/2024 19:18	WG2295239
(S) o-Terphenyl	*31.2*			*18.0-148*		*05/30/2024 19:18*	WG2295239

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	05/30/2024 07:27	WG2295026

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.132		0.0194	0.0432	1	05/30/2024 15:39	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.64	J	0.587	2.16	1	06/01/2024 14:03	WG2295060
Arsenic	2.98		0.559	2.16	1	06/01/2024 14:03	WG2295060
Barium	48.2		0.0919	0.540	1	06/01/2024 14:03	WG2295060
Beryllium	0.147	J	0.0340	0.216	1	06/01/2024 14:03	WG2295060
Cadmium	0.0643	B J	0.0508	0.540	1	06/01/2024 14:03	WG2295060
Chromium	9.41		0.144	1.08	1	06/01/2024 14:03	WG2295060
Cobalt	5.94		0.0875	1.08	1	06/01/2024 14:03	WG2295060
Copper	11.1		0.432	2.16	1	06/01/2024 14:03	WG2295060
Lead	19.3		0.224	0.540	1	06/01/2024 14:03	WG2295060
Molybdenum	0.455	J	0.118	0.540	1	06/01/2024 14:03	WG2295060
Nickel	12.4		0.142	2.16	1	06/01/2024 14:03	WG2295060
Selenium	U		0.825	2.16	1	06/01/2024 14:03	WG2295060
Silver	U		0.137	1.08	1	06/01/2024 14:03	WG2295060
Thallium	1.90	J	0.425	2.16	1	06/01/2024 14:03	WG2295060
Vanadium	22.0		0.546	2.16	1	06/01/2024 14:03	WG2295060
Zinc	52.1		0.898	5.40	1	06/01/2024 14:03	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.65	B J T8	1.12	3.36	29.3	06/05/2024 03:34	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 03:34*	WG2298546

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U	T8	79.1	432	100	06/07/2024 12:34	WG2299534
C22-C32 Hydrocarbons	380	J T8	144	432	100	06/07/2024 12:34	WG2299534
C32-C40 Hydrocarbons	651	T8	144	432	100	06/07/2024 12:34	WG2299534
(S) o-Terphenyl	*93.7*	J7		*18.0-148*		*06/07/2024 12:34*	WG2299534

Sample Narrative:

L1739342-37 WG2299534: Cannot run at lower dilution due to viscosity of extract.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0127	0.0367	1	05/31/2024 03:12	WG2295241
PCB 1221	U		0.0127	0.0367	1	05/31/2024 03:12	WG2295241
PCB 1232	U		0.0127	0.0367	1	05/31/2024 03:12	WG2295241
PCB 1242	U		0.0127	0.0367	1	05/31/2024 03:12	WG2295241
PCB 1248	U		0.00796	0.0183	1	05/31/2024 03:12	WG2295241
PCB 1254	U		0.00796	0.0183	1	05/31/2024 03:12	WG2295241

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1260	U		0.00796	0.0183	1	05/31/2024 03:12	WG2295241
(S) Decachlorobiphenyl	*75.7*			*10.0-135*		*05/31/2024 03:12*	WG2295241
(S) Tetrachloro-m-xylene	*63.8*			*10.0-139*		*05/31/2024 03:12*	WG2295241

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0582	0.359	10	06/02/2024 10:38	WG2295243
Acenaphthylene	U		0.0506	0.359	10	06/02/2024 10:38	WG2295243
Anthracene	U		0.0640	0.359	10	06/02/2024 10:38	WG2295243
Benzidine	U		0.676	18.0	10	06/02/2024 10:38	WG2295243
Benzo(a)anthracene	U		0.0634	0.359	10	06/02/2024 10:38	WG2295243
Benzo(b)fluoranthene	U		0.0670	0.359	10	06/02/2024 10:38	WG2295243
Benzo(k)fluoranthene	U		0.0639	0.359	10	06/02/2024 10:38	WG2295243
Benzo(g,h,i)perylene	U		0.0657	0.359	10	06/02/2024 10:38	WG2295243
Benzo(a)pyrene	U		0.0668	0.359	10	06/02/2024 10:38	WG2295243
Bis(2-chlorethoxy)methane	U		0.108	3.59	10	06/02/2024 10:38	WG2295243
Bis(2-chloroethyl)ether	U		0.119	3.59	10	06/02/2024 10:38	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.155	3.59	10	06/02/2024 10:38	WG2295243
4-Bromophenyl-phenylether	U		0.126	3.59	10	06/02/2024 10:38	WG2295243
2-Chloronaphthalene	U		0.0631	0.359	10	06/02/2024 10:38	WG2295243
4-Chlorophenyl-phenylether	U		0.125	3.59	10	06/02/2024 10:38	WG2295243
Chrysene	U		0.0714	0.359	10	06/02/2024 10:38	WG2295243
Dibenz(a,h)anthracene	U		0.0996	0.359	10	06/02/2024 10:38	WG2295243
1,2-Dichlorobenzene	U		0.107	3.59	10	06/02/2024 10:38	WG2295243
1,3-Dichlorobenzene	U		0.109	3.59	10	06/02/2024 10:38	WG2295243
1,4-Dichlorobenzene	U		0.107	3.59	10	06/02/2024 10:38	WG2295243
3,3-Dichlorobenzidine	U		0.133	3.59	10	06/02/2024 10:38	WG2295243
2,4-Dinitrotoluene	U		0.103	3.59	10	06/02/2024 10:38	WG2295243
2,6-Dinitrotoluene	U		0.118	3.59	10	06/02/2024 10:38	WG2295243
Fluoranthene	U		0.0649	0.359	10	06/02/2024 10:38	WG2295243
Fluorene	U		0.0585	0.359	10	06/02/2024 10:38	WG2295243
Hexachlorobenzene	U		0.127	3.59	10	06/02/2024 10:38	WG2295243
Hexachloro-1,3-butadiene	U		0.121	3.59	10	06/02/2024 10:38	WG2295243
Hexachlorocyclopentadiene	U		0.189	3.59	10	06/02/2024 10:38	WG2295243
Hexachloroethane	U		0.141	3.59	10	06/02/2024 10:38	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.102	0.359	10	06/02/2024 10:38	WG2295243
Isophorone	U		0.110	3.59	10	06/02/2024 10:38	WG2295243
Naphthalene	U		0.0902	0.359	10	06/02/2024 10:38	WG2295243
Nitrobenzene	U		0.125	3.59	10	06/02/2024 10:38	WG2295243
n-Nitrosodimethylamine	U		0.533	3.59	10	06/02/2024 10:38	WG2295243
n-Nitrosodiphenylamine	U		0.272	3.59	10	06/02/2024 10:38	WG2295243
n-Nitrosodi-n-propylamine	U		0.120	3.59	10	06/02/2024 10:38	WG2295243
Phenanthrene	U		0.0713	0.359	10	06/02/2024 10:38	WG2295243
Benzylbutyl phthalate	U		0.112	3.59	10	06/02/2024 10:38	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.455	3.59	10	06/02/2024 10:38	WG2295243
Di-n-butyl phthalate	U		0.123	3.59	10	06/02/2024 10:38	WG2295243
Diethyl phthalate	U		0.119	3.59	10	06/02/2024 10:38	WG2295243
Dimethyl phthalate	U		0.762	3.59	10	06/02/2024 10:38	WG2295243
Di-n-octyl phthalate	U		0.243	3.59	10	06/02/2024 10:38	WG2295243
Pyrene	U		0.0699	0.359	10	06/02/2024 10:38	WG2295243
1,2,4-Trichlorobenzene	U		0.112	3.59	10	06/02/2024 10:38	WG2295243
4-Chloro-3-methylphenol	U		0.117	3.59	10	06/02/2024 10:38	WG2295243
2-Chlorophenol	U		0.119	3.59	10	06/02/2024 10:38	WG2295243
2,4-Dichlorophenol	U		0.105	3.59	10	06/02/2024 10:38	WG2295243
2,4-Dimethylphenol	U		0.0939	3.59	10	06/02/2024 10:38	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4,6-Dinitro-2-methylphenol	U		0.815	3.59	10	06/02/2024 10:38	WG2295243
2,4-Dinitrophenol	U		0.841	3.59	10	06/02/2024 10:38	WG2295243
2-Nitrophenol	U		0.128	3.59	10	06/02/2024 10:38	WG2295243
4-Nitrophenol	U		0.112	3.59	10	06/02/2024 10:38	WG2295243
Pentachlorophenol	U		0.0967	3.59	10	06/02/2024 10:38	WG2295243
Phenol	U		0.145	3.59	10	06/02/2024 10:38	WG2295243
2,4,6-Trichlorophenol	U		0.115	3.59	10	06/02/2024 10:38	WG2295243
(S) 2-Fluorophenol	*74.8*			*12.0-120*		*06/02/2024 10:38*	WG2295243
(S) Phenol-d5	*69.6*			*10.0-120*		*06/02/2024 10:38*	WG2295243
(S) Nitrobenzene-d5	*63.7*			*10.0-122*		*06/02/2024 10:38*	WG2295243
(S) 2-Fluorobiphenyl	*78.6*			*15.0-120*		*06/02/2024 10:38*	WG2295243
(S) 2,4,6-Tribromophenol	*64.3*			*10.0-127*		*06/02/2024 10:38*	WG2295243
(S) p-Terphenyl-d14	*76.7*			*10.0-120*		*06/02/2024 10:38*	WG2295243

Sample Narrative:

L1739342-37 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	05/30/2024 07:27	WG2295026

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0400	J	0.0216	0.0480	1	05/30/2024 15:42	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.653	2.40	1	06/01/2024 14:04	WG2295060
Arsenic	0.881	J	0.622	2.40	1	06/01/2024 14:04	WG2295060
Barium	44.5		0.102	0.600	1	06/01/2024 14:04	WG2295060
Beryllium	0.189	J	0.0378	0.240	1	06/01/2024 14:04	WG2295060
Cadmium	U		0.0565	0.600	1	06/01/2024 14:04	WG2295060
Chromium	2.30	B	0.160	1.20	1	06/01/2024 14:04	WG2295060
Cobalt	5.02		0.0974	1.20	1	06/01/2024 14:04	WG2295060
Copper	2.28	J	0.480	2.40	1	06/01/2024 14:04	WG2295060
Lead	3.35		0.250	0.600	1	06/01/2024 14:04	WG2295060
Molybdenum	U		0.131	0.600	1	06/01/2024 14:04	WG2295060
Nickel	2.29	J	0.158	2.40	1	06/01/2024 14:04	WG2295060
Selenium	U		0.917	2.40	1	06/01/2024 14:04	WG2295060
Silver	U		0.152	1.20	1	06/01/2024 14:04	WG2295060
Thallium	0.886	J	0.473	2.40	1	06/01/2024 14:04	WG2295060
Vanadium	8.52		0.607	2.40	1	06/01/2024 14:04	WG2295060
Zinc	16.4	B	0.999	6.00	1	06/01/2024 14:04	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U	T8	1.31	3.94	25	06/05/2024 03:57	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/05/2024 03:57*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0529	0.0724	1	05/30/2024 03:18	WG2295165
Acrylonitrile	U		0.00523	0.0181	1	05/30/2024 03:18	WG2295165
Benzene	U		0.000677	0.00145	1	05/30/2024 03:18	WG2295165
Bromobenzene	U		0.00130	0.0181	1	05/30/2024 03:18	WG2295165
Bromodichloromethane	U		0.00105	0.00362	1	05/30/2024 03:18	WG2295165
Bromoform	U		0.00170	0.0362	1	05/30/2024 03:18	WG2295165
Bromomethane	U		0.00285	0.0181	1	05/30/2024 03:18	WG2295165
n-Butylbenzene	U		0.00761	0.0181	1	05/30/2024 03:18	WG2295165
sec-Butylbenzene	U		0.00417	0.0181	1	05/30/2024 03:18	WG2295165
tert-Butylbenzene	U		0.00283	0.00724	1	05/30/2024 03:18	WG2295165
Carbon tetrachloride	U		0.00130	0.00724	1	05/30/2024 03:18	WG2295165
Chlorobenzene	U		0.000304	0.00362	1	05/30/2024 03:18	WG2295165
Chlorodibromomethane	U		0.000887	0.00362	1	05/30/2024 03:18	WG2295165
Chloroethane	U		0.00246	0.00724	1	05/30/2024 03:18	WG2295165
Chloroform	U		0.00149	0.00362	1	05/30/2024 03:18	WG2295165
Chloromethane	U		0.00630	0.0181	1	05/30/2024 03:18	WG2295165
2-Chlorotoluene	U		0.00125	0.00362	1	05/30/2024 03:18	WG2295165
4-Chlorotoluene	U		0.000652	0.00724	1	05/30/2024 03:18	WG2295165

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0362	1	05/30/2024 03:18	WG2295165
1,2-Dibromoethane	U		0.000939	0.00362	1	05/30/2024 03:18	WG2295165
Dibromomethane	U		0.00109	0.00724	1	05/30/2024 03:18	WG2295165
1,2-Dichlorobenzene	U		0.000616	0.00724	1	05/30/2024 03:18	WG2295165
1,3-Dichlorobenzene	U		0.000869	0.00724	1	05/30/2024 03:18	WG2295165
1,4-Dichlorobenzene	U		0.00101	0.00724	1	05/30/2024 03:18	WG2295165
Dichlorodifluoromethane	U		0.00233	0.00724	1	05/30/2024 03:18	WG2295165
1,1-Dichloroethane	U		0.000711	0.00362	1	05/30/2024 03:18	WG2295165
1,2-Dichloroethane	U		0.000940	0.00362	1	05/30/2024 03:18	WG2295165
1,1-Dichloroethene	U		0.000878	0.00362	1	05/30/2024 03:18	WG2295165
cis-1,2-Dichloroethene	U		0.00106	0.00362	1	05/30/2024 03:18	WG2295165
trans-1,2-Dichloroethene	U		0.00151	0.00724	1	05/30/2024 03:18	WG2295165
1,2-Dichloropropane	U		0.00206	0.00724	1	05/30/2024 03:18	WG2295165
1,1-Dichloropropene	U		0.00117	0.00362	1	05/30/2024 03:18	WG2295165
1,3-Dichloropropane	U		0.000726	0.00724	1	05/30/2024 03:18	WG2295165
cis-1,3-Dichloropropene	U		0.00110	0.00362	1	05/30/2024 03:18	WG2295165
trans-1,3-Dichloropropene	U		0.00165	0.00724	1	05/30/2024 03:18	WG2295165
2,2-Dichloropropane	U		0.00200	0.00362	1	05/30/2024 03:18	WG2295165
Di-isopropyl ether	U		0.000594	0.00145	1	05/30/2024 03:18	WG2295165
Ethylbenzene	U		0.00107	0.00362	1	05/30/2024 03:18	WG2295165
Hexachloro-1,3-butadiene	U		0.00869	0.0362	1	05/30/2024 03:18	WG2295165
Isopropylbenzene	U		0.000616	0.00362	1	05/30/2024 03:18	WG2295165
p-Isopropyltoluene	U		0.00369	0.00724	1	05/30/2024 03:18	WG2295165
2-Butanone (MEK)	U		0.0920	0.145	1	05/30/2024 03:18	WG2295165
Methylene Chloride	U		0.00962	0.0362	1	05/30/2024 03:18	WG2295165
4-Methyl-2-pentanone (MIBK)	U		0.00330	0.0362	1	05/30/2024 03:18	WG2295165
Methyl tert-butyl ether	U		0.000507	0.00145	1	05/30/2024 03:18	WG2295165
Naphthalene	U		0.00707	0.0181	1	05/30/2024 03:18	WG2295165
n-Propylbenzene	U		0.00138	0.00724	1	05/30/2024 03:18	WG2295165
Styrene	U		0.000332	0.0181	1	05/30/2024 03:18	WG2295165
1,1,1,2-Tetrachloroethane	U		0.00137	0.00362	1	05/30/2024 03:18	WG2295165
1,1,2,2-Tetrachloroethane	U		0.00101	0.00362	1	05/30/2024 03:18	WG2295165
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00362	1	05/30/2024 03:18	WG2295165
Tetrachloroethene	U		0.00130	0.00362	1	05/30/2024 03:18	WG2295165
Toluene	U		0.00188	0.00724	1	05/30/2024 03:18	WG2295165
1,2,3-Trichlorobenzene	U		0.0106	0.0181	1	05/30/2024 03:18	WG2295165
1,2,4-Trichlorobenzene	U		0.00637	0.0181	1	05/30/2024 03:18	WG2295165
1,1,1-Trichloroethane	U		0.00134	0.00362	1	05/30/2024 03:18	WG2295165
1,1,2-Trichloroethane	U		0.000865	0.00362	1	05/30/2024 03:18	WG2295165
Trichloroethene	U		0.000846	0.00145	1	05/30/2024 03:18	WG2295165
Trichlorofluoromethane	U		0.00120	0.00362	1	05/30/2024 03:18	WG2295165
1,2,3-Trichloropropane	U		0.00235	0.0181	1	05/30/2024 03:18	WG2295165
1,2,4-Trimethylbenzene	U	J4	0.00229	0.00724	1	05/30/2024 03:18	WG2295165
1,2,3-Trimethylbenzene	U	J4	0.00229	0.00724	1	05/30/2024 03:18	WG2295165
1,3,5-Trimethylbenzene	U	J4	0.00290	0.00724	1	05/30/2024 03:18	WG2295165
Vinyl chloride	U		0.00168	0.00362	1	05/30/2024 03:18	WG2295165
Xylenes, Total	U		0.00127	0.00942	1	05/30/2024 03:18	WG2295165
(S) Toluene-d8	*108*			*75.0-131*		*05/30/2024 03:18*	WG2295165
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*05/30/2024 03:18*	WG2295165
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*05/30/2024 03:18*	WG2295165

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U	T8	0.880	4.80	1	06/06/2024 15:20	WG2299534
C22-C32 Hydrocarbons	U	T8	1.60	4.80	1	06/06/2024 15:20	WG2299534
C32-C40 Hydrocarbons	U	T8	1.60	4.80	1	06/06/2024 15:20	WG2299534
(S) o-Terphenyl	*66.3*			*18.0-148*		*06/06/2024 15:20*	WG2299534

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0346	J	0.00647	0.0400	1	05/31/2024 19:31	WG2295243
Acenaphthylene	U		0.00563	0.0400	1	05/31/2024 19:31	WG2295243
Anthracene	U		0.00712	0.0400	1	05/31/2024 19:31	WG2295243
Benzidine	U		0.0751	2.00	1	05/31/2024 19:31	WG2295243
Benzo(a)anthracene	U		0.00705	0.0400	1	05/31/2024 19:31	WG2295243
Benzo(b)fluoranthene	U		0.00745	0.0400	1	05/31/2024 19:31	WG2295243
Benzo(k)fluoranthene	U		0.00711	0.0400	1	05/31/2024 19:31	WG2295243
Benzo(g,h,i)perylene	U		0.00731	0.0400	1	05/31/2024 19:31	WG2295243
Benzo(a)pyrene	U		0.00743	0.0400	1	05/31/2024 19:31	WG2295243
Bis(2-chlorethoxy)methane	U		0.0120	0.400	1	05/31/2024 19:31	WG2295243
Bis(2-chloroethyl)ether	U		0.0132	0.400	1	05/31/2024 19:31	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.0173	0.400	1	05/31/2024 19:31	WG2295243
4-Bromophenyl-phenylether	U		0.0140	0.400	1	05/31/2024 19:31	WG2295243
2-Chloronaphthalene	U		0.00702	0.0400	1	05/31/2024 19:31	WG2295243
4-Chlorophenyl-phenylether	U		0.0139	0.400	1	05/31/2024 19:31	WG2295243
Chrysene	U		0.00795	0.0400	1	05/31/2024 19:31	WG2295243
Dibenz(a,h)anthracene	U		0.0111	0.0400	1	05/31/2024 19:31	WG2295243
1,2-Dichlorobenzene	U		0.0118	0.400	1	05/31/2024 19:31	WG2295243
1,3-Dichlorobenzene	U		0.0121	0.400	1	05/31/2024 19:31	WG2295243
1,4-Dichlorobenzene	U		0.0119	0.400	1	05/31/2024 19:31	WG2295243
3,3-Dichlorobenzidine	U		0.0148	0.400	1	05/31/2024 19:31	WG2295243
2,4-Dinitrotoluene	U		0.0115	0.400	1	05/31/2024 19:31	WG2295243
2,6-Dinitrotoluene	U		0.0131	0.400	1	05/31/2024 19:31	WG2295243
Fluoranthene	U		0.00721	0.0400	1	05/31/2024 19:31	WG2295243
Fluorene	0.0167	J	0.00651	0.0400	1	05/31/2024 19:31	WG2295243
Hexachlorobenzene	U		0.0142	0.400	1	05/31/2024 19:31	WG2295243
Hexachloro-1,3-butadiene	U		0.0134	0.400	1	05/31/2024 19:31	WG2295243
Hexachlorocyclopentadiene	U		0.0210	0.400	1	05/31/2024 19:31	WG2295243
Hexachloroethane	U		0.0157	0.400	1	05/31/2024 19:31	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0400	1	05/31/2024 19:31	WG2295243
Isophorone	U		0.0122	0.400	1	05/31/2024 19:31	WG2295243
Naphthalene	0.0262	J	0.0100	0.0400	1	05/31/2024 19:31	WG2295243
Nitrobenzene	U		0.0139	0.400	1	05/31/2024 19:31	WG2295243
n-Nitrosodimethylamine	U		0.0593	0.400	1	05/31/2024 19:31	WG2295243
n-Nitrosodiphenylamine	U		0.0303	0.400	1	05/31/2024 19:31	WG2295243
n-Nitrosodi-n-propylamine	U		0.0133	0.400	1	05/31/2024 19:31	WG2295243
Phenanthrene	0.0138	J	0.00793	0.0400	1	05/31/2024 19:31	WG2295243
Benzylbutyl phthalate	U		0.0125	0.400	1	05/31/2024 19:31	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.0507	0.400	1	05/31/2024 19:31	WG2295243
Di-n-butyl phthalate	U		0.0137	0.400	1	05/31/2024 19:31	WG2295243
Diethyl phthalate	U		0.0132	0.400	1	05/31/2024 19:31	WG2295243
Dimethyl phthalate	U		0.0848	0.400	1	05/31/2024 19:31	WG2295243
Di-n-octyl phthalate	U		0.0270	0.400	1	05/31/2024 19:31	WG2295243
Pyrene	U		0.00778	0.0400	1	05/31/2024 19:31	WG2295243
1,2,4-Trichlorobenzene	U		0.0125	0.400	1	05/31/2024 19:31	WG2295243
4-Chloro-3-methylphenol	U		0.0130	0.400	1	05/31/2024 19:31	WG2295243
2-Chlorophenol	U		0.0132	0.400	1	05/31/2024 19:31	WG2295243
2,4-Dichlorophenol	U		0.0116	0.400	1	05/31/2024 19:31	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0104	0.400	1	05/31/2024 19:31	WG2295243
4,6-Dinitro-2-methylphenol	U		0.0906	0.400	1	05/31/2024 19:31	WG2295243
2,4-Dinitrophenol	U		0.0935	0.400	1	05/31/2024 19:31	WG2295243
2-Nitrophenol	U		0.0143	0.400	1	05/31/2024 19:31	WG2295243
4-Nitrophenol	U		0.0125	0.400	1	05/31/2024 19:31	WG2295243
Pentachlorophenol	U		0.0108	0.400	1	05/31/2024 19:31	WG2295243
Phenol	U		0.0161	0.400	1	05/31/2024 19:31	WG2295243
2,4,6-Trichlorophenol	U		0.0128	0.400	1	05/31/2024 19:31	WG2295243
(S) 2-Fluorophenol	*67.3*			*12.0-120*		*05/31/2024 19:31*	WG2295243
(S) Phenol-d5	*64.3*			*10.0-120*		*05/31/2024 19:31*	WG2295243
(S) Nitrobenzene-d5	*53.7*			*10.0-122*		*05/31/2024 19:31*	WG2295243
(S) 2-Fluorobiphenyl	*64.7*			*15.0-120*		*05/31/2024 19:31*	WG2295243
(S) 2,4,6-Tribromophenol	*67.0*			*10.0-127*		*05/31/2024 19:31*	WG2295243
(S) p-Terphenyl-d14	*74.8*			*10.0-120*		*05/31/2024 19:31*	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	05/30/2024 07:27	WG2295026

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.133		0.0191	0.0425	1	05/30/2024 15:44	WG2295032

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.42	J	0.579	2.13	1	06/01/2024 14:06	WG2295060
Arsenic	6.22		0.551	2.13	1	06/01/2024 14:06	WG2295060
Barium	179		0.0906	0.532	1	06/01/2024 14:06	WG2295060
Beryllium	0.193	J	0.0335	0.213	1	06/01/2024 14:06	WG2295060
Cadmium	0.0544	B J	0.0501	0.532	1	06/01/2024 14:06	WG2295060
Chromium	11.6		0.141	1.06	1	06/01/2024 14:06	WG2295060
Cobalt	7.11		0.0863	1.06	1	06/01/2024 14:06	WG2295060
Copper	141		0.425	2.13	1	06/01/2024 14:06	WG2295060
Lead	73.5		0.221	0.532	1	06/01/2024 14:06	WG2295060
Molybdenum	0.255	J	0.116	0.532	1	06/01/2024 14:06	WG2295060
Nickel	18.8		0.140	2.13	1	06/01/2024 14:06	WG2295060
Selenium	U		0.813	2.13	1	06/01/2024 14:06	WG2295060
Silver	U		0.135	1.06	1	06/01/2024 14:06	WG2295060
Thallium	1.89	J	0.419	2.13	1	06/01/2024 14:06	WG2295060
Vanadium	37.9		0.538	2.13	1	06/01/2024 14:06	WG2295060
Zinc	123		0.885	5.32	1	06/01/2024 14:06	WG2295060

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.34	B J	0.945	2.85	25	05/29/2024 19:38	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*05/29/2024 19:38*	WG2294990

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0413	0.0566	1	05/30/2024 18:35	WG2295869
Acrylonitrile	U		0.00409	0.0141	1	05/30/2024 18:35	WG2295869
Benzene	0.000816	J	0.000529	0.00113	1	05/30/2024 18:35	WG2295869
Bromobenzene	U		0.00102	0.0141	1	05/30/2024 18:35	WG2295869
Bromodichloromethane	U		0.000821	0.00283	1	05/30/2024 18:35	WG2295869
Bromoform	U		0.00132	0.0283	1	05/30/2024 18:35	WG2295869
Bromomethane	U		0.00223	0.0141	1	05/30/2024 18:35	WG2295869
n-Butylbenzene	U		0.00594	0.0141	1	05/30/2024 18:35	WG2295869
sec-Butylbenzene	U		0.00326	0.0141	1	05/30/2024 18:35	WG2295869
tert-Butylbenzene	U		0.00221	0.00566	1	05/30/2024 18:35	WG2295869
Carbon tetrachloride	U		0.00102	0.00566	1	05/30/2024 18:35	WG2295869
Chlorobenzene	U		0.000238	0.00283	1	05/30/2024 18:35	WG2295869
Chlorodibromomethane	U		0.000693	0.00283	1	05/30/2024 18:35	WG2295869
Chloroethane	U		0.00192	0.00566	1	05/30/2024 18:35	WG2295869
Chloroform	U		0.00117	0.00283	1	05/30/2024 18:35	WG2295869
Chloromethane	U		0.00492	0.0141	1	05/30/2024 18:35	WG2295869
2-Chlorotoluene	U		0.000979	0.00283	1	05/30/2024 18:35	WG2295869
4-Chlorotoluene	U		0.000509	0.00566	1	05/30/2024 18:35	WG2295869

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00441	0.0283	1	05/30/2024 18:35	WG2295869
1,2-Dibromoethane	U		0.000734	0.00283	1	05/30/2024 18:35	WG2295869
Dibromomethane	U		0.000849	0.00566	1	05/30/2024 18:35	WG2295869
1,2-Dichlorobenzene	U		0.000481	0.00566	1	05/30/2024 18:35	WG2295869
1,3-Dichlorobenzene	U		0.000679	0.00566	1	05/30/2024 18:35	WG2295869
1,4-Dichlorobenzene	U		0.000792	0.00566	1	05/30/2024 18:35	WG2295869
Dichlorodifluoromethane	U		0.00182	0.00566	1	05/30/2024 18:35	WG2295869
1,1-Dichloroethane	U		0.000556	0.00283	1	05/30/2024 18:35	WG2295869
1,2-Dichloroethane	U		0.000735	0.00283	1	05/30/2024 18:35	WG2295869
1,1-Dichloroethene	U		0.000686	0.00283	1	05/30/2024 18:35	WG2295869
cis-1,2-Dichloroethene	U		0.000831	0.00283	1	05/30/2024 18:35	WG2295869
trans-1,2-Dichloroethene	U		0.00118	0.00566	1	05/30/2024 18:35	WG2295869
1,2-Dichloropropane	U		0.00161	0.00566	1	05/30/2024 18:35	WG2295869
1,1-Dichloropropene	U		0.000916	0.00283	1	05/30/2024 18:35	WG2295869
1,3-Dichloropropane	U		0.000567	0.00566	1	05/30/2024 18:35	WG2295869
cis-1,3-Dichloropropene	U		0.000857	0.00283	1	05/30/2024 18:35	WG2295869
trans-1,3-Dichloropropene	U		0.00129	0.00566	1	05/30/2024 18:35	WG2295869
2,2-Dichloropropane	U		0.00156	0.00283	1	05/30/2024 18:35	WG2295869
Di-isopropyl ether	U		0.000464	0.00113	1	05/30/2024 18:35	WG2295869
Ethylbenzene	U		0.000834	0.00283	1	05/30/2024 18:35	WG2295869
Hexachloro-1,3-butadiene	U	J3	0.00679	0.0283	1	05/30/2024 18:35	WG2295869
Isopropylbenzene	U		0.000481	0.00283	1	05/30/2024 18:35	WG2295869
p-Isopropyltoluene	U		0.00289	0.00566	1	05/30/2024 18:35	WG2295869
2-Butanone (MEK)	U		0.0719	0.113	1	05/30/2024 18:35	WG2295869
Methylene Chloride	U		0.00752	0.0283	1	05/30/2024 18:35	WG2295869
4-Methyl-2-pentanone (MIBK)	U		0.00258	0.0283	1	05/30/2024 18:35	WG2295869
Methyl tert-butyl ether	U		0.000396	0.00113	1	05/30/2024 18:35	WG2295869
Naphthalene	U		0.00552	0.0141	1	05/30/2024 18:35	WG2295869
n-Propylbenzene	U		0.00108	0.00566	1	05/30/2024 18:35	WG2295869
Styrene	U		0.000259	0.0141	1	05/30/2024 18:35	WG2295869
1,1,1,2-Tetrachloroethane	U		0.00107	0.00283	1	05/30/2024 18:35	WG2295869
1,1,2,2-Tetrachloroethane	U		0.000787	0.00283	1	05/30/2024 18:35	WG2295869
1,1,2-Trichlorotrifluoroethane	U		0.000854	0.00283	1	05/30/2024 18:35	WG2295869
Tetrachloroethene	U		0.00101	0.00283	1	05/30/2024 18:35	WG2295869
Toluene	U		0.00147	0.00566	1	05/30/2024 18:35	WG2295869
1,2,3-Trichlorobenzene	U		0.00830	0.0141	1	05/30/2024 18:35	WG2295869
1,2,4-Trichlorobenzene	U		0.00498	0.0141	1	05/30/2024 18:35	WG2295869
1,1,1-Trichloroethane	U		0.00104	0.00283	1	05/30/2024 18:35	WG2295869
1,1,2-Trichloroethane	U		0.000676	0.00283	1	05/30/2024 18:35	WG2295869
Trichloroethene	U		0.000661	0.00113	1	05/30/2024 18:35	WG2295869
Trichlorofluoromethane	U		0.000936	0.00283	1	05/30/2024 18:35	WG2295869
1,2,3-Trichloropropane	U		0.00183	0.0141	1	05/30/2024 18:35	WG2295869
1,2,4-Trimethylbenzene	U		0.00179	0.00566	1	05/30/2024 18:35	WG2295869
1,2,3-Trimethylbenzene	U		0.00179	0.00566	1	05/30/2024 18:35	WG2295869
1,3,5-Trimethylbenzene	U		0.00226	0.00566	1	05/30/2024 18:35	WG2295869
Vinyl chloride	U		0.00131	0.00283	1	05/30/2024 18:35	WG2295869
Xylenes, Total	U		0.000996	0.00736	1	05/30/2024 18:35	WG2295869
(S) Toluene-d8	*103*			*75.0-131*		*05/30/2024 18:35*	WG2295869
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/30/2024 18:35*	WG2295869
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*05/30/2024 18:35*	WG2295869

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		15.6	85.1	20	05/30/2024 19:59	WG2295239
C22-C32 Hydrocarbons	145		28.3	85.1	20	05/30/2024 19:59	WG2295239
C32-C40 Hydrocarbons	171		28.3	85.1	20	05/30/2024 19:59	WG2295239
(S) o-Terphenyl	*66.4*	J7		*18.0-148*		*05/30/2024 19:59*	WG2295239

Sample Narrative:

L1739342-39 WG2295239: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0573	0.354	10	05/31/2024 23:36	WG2295243
Acenaphthylene	U		0.0499	0.354	10	05/31/2024 23:36	WG2295243
Anthracene	U		0.0631	0.354	10	05/31/2024 23:36	WG2295243
Benzidine	U		0.666	17.8	10	05/31/2024 23:36	WG2295243
Benzo(a)anthracene	U		0.0624	0.354	10	05/31/2024 23:36	WG2295243
Benzo(b)fluoranthene	U		0.0661	0.354	10	05/31/2024 23:36	WG2295243
Benzo(k)fluoranthene	U		0.0630	0.354	10	05/31/2024 23:36	WG2295243
Benzo(g,h,i)perylene	U		0.0648	0.354	10	05/31/2024 23:36	WG2295243
Benzo(a)pyrene	U		0.0658	0.354	10	05/31/2024 23:36	WG2295243
Bis(2-chlorethoxy)methane	U		0.106	3.54	10	05/31/2024 23:36	WG2295243
Bis(2-chloroethyl)ether	U		0.117	3.54	10	05/31/2024 23:36	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.153	3.54	10	05/31/2024 23:36	WG2295243
4-Bromophenyl-phenylether	U		0.124	3.54	10	05/31/2024 23:36	WG2295243
2-Chloronaphthalene	U		0.0622	0.354	10	05/31/2024 23:36	WG2295243
4-Chlorophenyl-phenylether	U		0.123	3.54	10	05/31/2024 23:36	WG2295243
Chrysene	U		0.0704	0.354	10	05/31/2024 23:36	WG2295243
Dibenz(a,h)anthracene	U		0.0982	0.354	10	05/31/2024 23:36	WG2295243
1,2-Dichlorobenzene	U		0.105	3.54	10	05/31/2024 23:36	WG2295243
1,3-Dichlorobenzene	U		0.107	3.54	10	05/31/2024 23:36	WG2295243
1,4-Dichlorobenzene	U		0.105	3.54	10	05/31/2024 23:36	WG2295243
3,3-Dichlorobenzidine	U		0.131	3.54	10	05/31/2024 23:36	WG2295243
2,4-Dinitrotoluene	U		0.102	3.54	10	05/31/2024 23:36	WG2295243
2,6-Dinitrotoluene	U		0.116	3.54	10	05/31/2024 23:36	WG2295243
Fluoranthene	0.0776	J	0.0639	0.354	10	05/31/2024 23:36	WG2295243
Fluorene	U		0.0577	0.354	10	05/31/2024 23:36	WG2295243
Hexachlorobenzene	U		0.126	3.54	10	05/31/2024 23:36	WG2295243
Hexachloro-1,3-butadiene	U		0.119	3.54	10	05/31/2024 23:36	WG2295243
Hexachlorocyclopentadiene	U		0.186	3.54	10	05/31/2024 23:36	WG2295243
Hexachloroethane	U		0.139	3.54	10	05/31/2024 23:36	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.100	0.354	10	05/31/2024 23:36	WG2295243
Isophorone	U		0.108	3.54	10	05/31/2024 23:36	WG2295243
Naphthalene	U		0.0889	0.354	10	05/31/2024 23:36	WG2295243
Nitrobenzene	U		0.123	3.54	10	05/31/2024 23:36	WG2295243
n-Nitrosodimethylamine	U		0.525	3.54	10	05/31/2024 23:36	WG2295243
n-Nitrosodiphenylamine	U		0.268	3.54	10	05/31/2024 23:36	WG2295243
n-Nitrosodi-n-propylamine	U		0.118	3.54	10	05/31/2024 23:36	WG2295243
Phenanthrene	0.0824	J	0.0703	0.354	10	05/31/2024 23:36	WG2295243
Benzylbutyl phthalate	U		0.111	3.54	10	05/31/2024 23:36	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.449	3.54	10	05/31/2024 23:36	WG2295243
Di-n-butyl phthalate	U		0.121	3.54	10	05/31/2024 23:36	WG2295243
Diethyl phthalate	U		0.117	3.54	10	05/31/2024 23:36	WG2295243
Dimethyl phthalate	U		0.751	3.54	10	05/31/2024 23:36	WG2295243
Di-n-octyl phthalate	U		0.239	3.54	10	05/31/2024 23:36	WG2295243
Pyrene	0.0905	J	0.0689	0.354	10	05/31/2024 23:36	WG2295243
1,2,4-Trichlorobenzene	U		0.111	3.54	10	05/31/2024 23:36	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.115	3.54	10	05/31/2024 23:36	WG2295243
2-Chlorophenol	U		0.117	3.54	10	05/31/2024 23:36	WG2295243
2,4-Dichlorophenol	U		0.103	3.54	10	05/31/2024 23:36	WG2295243
2,4-Dimethylphenol	U		0.0925	3.54	10	05/31/2024 23:36	WG2295243
4,6-Dinitro-2-methylphenol	U		0.803	3.54	10	05/31/2024 23:36	WG2295243
2,4-Dinitrophenol	U		0.829	3.54	10	05/31/2024 23:36	WG2295243
2-Nitrophenol	U		0.127	3.54	10	05/31/2024 23:36	WG2295243
4-Nitrophenol	U		0.111	3.54	10	05/31/2024 23:36	WG2295243
Pentachlorophenol	U		0.0953	3.54	10	05/31/2024 23:36	WG2295243
Phenol	U		0.143	3.54	10	05/31/2024 23:36	WG2295243
2,4,6-Trichlorophenol	U		0.114	3.54	10	05/31/2024 23:36	WG2295243
(S) 2-Fluorophenol	*85.5*			*12.0-120*		*05/31/2024 23:36*	WG2295243
(S) Phenol-d5	*86.8*			*10.0-120*		*05/31/2024 23:36*	WG2295243
(S) Nitrobenzene-d5	*73.2*			*10.0-122*		*05/31/2024 23:36*	WG2295243
(S) 2-Fluorobiphenyl	*82.3*			*15.0-120*		*05/31/2024 23:36*	WG2295243
(S) 2,4,6-Tribromophenol	*80.8*			*10.0-127*		*05/31/2024 23:36*	WG2295243
(S) p-Terphenyl-d14	*87.4*			*10.0-120*		*05/31/2024 23:36*	WG2295243

Sample Narrative:

L1739342-39 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	06/04/2024 14:49	WG2298380

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.27	B J T8	1.07	3.22	27.3	06/05/2024 04:20	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/05/2024 04:20*	WG2298546

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U	T8	80.1	437	100	06/06/2024 18:30	WG2299534
C22-C32 Hydrocarbons	1210	T8	145	437	100	06/06/2024 18:30	WG2299534
C32-C40 Hydrocarbons	1380	T8	145	437	100	06/06/2024 18:30	WG2299534
(S) o-Terphenyl	*74.2*	J7		*18.0-148*		*06/06/2024 18:30*	WG2299534

Sample Narrative:

L1739342-40 WG2299534: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.8		1	05/24/2024 09:20	WG2292490

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.86	B J	1.55	4.66	30	05/26/2024 04:58	WG2293479
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*05/26/2024 04:58*	WG2293479

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0680	0.0932	1.2	05/25/2024 21:04	WG2293082
Acrylonitrile	U		0.00672	0.0233	1.2	05/25/2024 21:04	WG2293082
Benzene	0.00321		0.000870	0.00186	1.2	05/25/2024 21:04	WG2293082
Bromobenzene	U		0.00168	0.0233	1.2	05/25/2024 21:04	WG2293082
Bromodichloromethane	U		0.00135	0.00466	1.2	05/25/2024 21:04	WG2293082
Bromoform	U		0.00217	0.0466	1.2	05/25/2024 21:04	WG2293082
Bromomethane	U		0.00366	0.0233	1.2	05/25/2024 21:04	WG2293082
n-Butylbenzene	U		0.00978	0.0233	1.2	05/25/2024 21:04	WG2293082
sec-Butylbenzene	U		0.00537	0.0233	1.2	05/25/2024 21:04	WG2293082
tert-Butylbenzene	U		0.00363	0.00932	1.2	05/25/2024 21:04	WG2293082
Carbon tetrachloride	U		0.00168	0.00932	1.2	05/25/2024 21:04	WG2293082
Chlorobenzene	U		0.000391	0.00466	1.2	05/25/2024 21:04	WG2293082
Chlorodibromomethane	U		0.00114	0.00466	1.2	05/25/2024 21:04	WG2293082
Chloroethane	U		0.00317	0.00932	1.2	05/25/2024 21:04	WG2293082
Chloroform	U		0.00193	0.00466	1.2	05/25/2024 21:04	WG2293082
Chloromethane	U		0.00811	0.0233	1.2	05/25/2024 21:04	WG2293082
2-Chlorotoluene	U		0.00161	0.00466	1.2	05/25/2024 21:04	WG2293082
4-Chlorotoluene	U		0.000839	0.00932	1.2	05/25/2024 21:04	WG2293082
1,2-Dibromo-3-Chloropropane	U		0.00727	0.0466	1.2	05/25/2024 21:04	WG2293082
1,2-Dibromoethane	U		0.00121	0.00466	1.2	05/25/2024 21:04	WG2293082
Dibromomethane	U		0.00140	0.00932	1.2	05/25/2024 21:04	WG2293082
1,2-Dichlorobenzene	U		0.000792	0.00932	1.2	05/25/2024 21:04	WG2293082
1,3-Dichlorobenzene	U		0.00112	0.00932	1.2	05/25/2024 21:04	WG2293082
1,4-Dichlorobenzene	U		0.00130	0.00932	1.2	05/25/2024 21:04	WG2293082
Dichlorodifluoromethane	U		0.00300	0.00932	1.2	05/25/2024 21:04	WG2293082
1,1-Dichloroethane	U		0.000915	0.00466	1.2	05/25/2024 21:04	WG2293082
1,2-Dichloroethane	U		0.00121	0.00466	1.2	05/25/2024 21:04	WG2293082
1,1-Dichloroethene	U		0.00113	0.00466	1.2	05/25/2024 21:04	WG2293082
cis-1,2-Dichloroethene	U		0.00137	0.00466	1.2	05/25/2024 21:04	WG2293082
trans-1,2-Dichloroethene	U		0.00194	0.00932	1.2	05/25/2024 21:04	WG2293082
1,2-Dichloropropane	U	J4	0.00264	0.00932	1.2	05/25/2024 21:04	WG2293082
1,1-Dichloropropene	U		0.00151	0.00466	1.2	05/25/2024 21:04	WG2293082
1,3-Dichloropropane	U		0.000933	0.00932	1.2	05/25/2024 21:04	WG2293082
cis-1,3-Dichloropropene	U		0.00141	0.00466	1.2	05/25/2024 21:04	WG2293082
trans-1,3-Dichloropropene	U		0.00213	0.00932	1.2	05/25/2024 21:04	WG2293082
2,2-Dichloropropane	U		0.00258	0.00466	1.2	05/25/2024 21:04	WG2293082
Di-isopropyl ether	U		0.000764	0.00186	1.2	05/25/2024 21:04	WG2293082
Ethylbenzene	U		0.00137	0.00466	1.2	05/25/2024 21:04	WG2293082
Hexachloro-1,3-butadiene	U		0.0112	0.0466	1.2	05/25/2024 21:04	WG2293082
Isopropylbenzene	U		0.000792	0.00466	1.2	05/25/2024 21:04	WG2293082
p-Isopropyltoluene	U		0.00475	0.00932	1.2	05/25/2024 21:04	WG2293082
2-Butanone (MEK)	U	J4	0.118	0.186	1.2	05/25/2024 21:04	WG2293082
Methylene Chloride	U		0.0124	0.0466	1.2	05/25/2024 21:04	WG2293082
4-Methyl-2-pentanone (MIBK)	U		0.00425	0.0466	1.2	05/25/2024 21:04	WG2293082

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000652	0.00186	1.2	05/25/2024 21:04	WG2293082
Naphthalene	U		0.00910	0.0233	1.2	05/25/2024 21:04	WG2293082
n-Propylbenzene	U		0.00177	0.00932	1.2	05/25/2024 21:04	WG2293082
Styrene	U		0.000427	0.0233	1.2	05/25/2024 21:04	WG2293082
1,1,1,2-Tetrachloroethane	U		0.00177	0.00466	1.2	05/25/2024 21:04	WG2293082
1,1,2,2-Tetrachloroethane	U		0.00130	0.00466	1.2	05/25/2024 21:04	WG2293082
1,1,2-Trichlorotrifluoroethane	U		0.00141	0.00466	1.2	05/25/2024 21:04	WG2293082
Tetrachloroethene	U		0.00168	0.00466	1.2	05/25/2024 21:04	WG2293082
Toluene	0.00261	J	0.00242	0.00932	1.2	05/25/2024 21:04	WG2293082
1,2,3-Trichlorobenzene	U		0.0137	0.0233	1.2	05/25/2024 21:04	WG2293082
1,2,4-Trichlorobenzene	U		0.00820	0.0233	1.2	05/25/2024 21:04	WG2293082
1,1,1-Trichloroethane	U		0.00172	0.00466	1.2	05/25/2024 21:04	WG2293082
1,1,2-Trichloroethane	U		0.00111	0.00466	1.2	05/25/2024 21:04	WG2293082
Trichloroethene	U		0.00109	0.00186	1.2	05/25/2024 21:04	WG2293082
Trichlorofluoromethane	U	J4	0.00154	0.00466	1.2	05/25/2024 21:04	WG2293082
1,2,3-Trichloropropane	U		0.00301	0.0233	1.2	05/25/2024 21:04	WG2293082
1,2,4-Trimethylbenzene	U		0.00295	0.00932	1.2	05/25/2024 21:04	WG2293082
1,2,3-Trimethylbenzene	U		0.00295	0.00932	1.2	05/25/2024 21:04	WG2293082
1,3,5-Trimethylbenzene	U		0.00373	0.00932	1.2	05/25/2024 21:04	WG2293082
Vinyl chloride	U		0.00216	0.00466	1.2	05/25/2024 21:04	WG2293082
Xylenes, Total	0.00177	J	0.00165	0.0121	1.2	05/25/2024 21:04	WG2293082
(S) Toluene-d8	*96.5*			*75.0-131*		*05/25/2024 21:04*	WG2293082
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/25/2024 21:04*	WG2293082
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/25/2024 21:04*	WG2293082

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.43	J	0.954	5.21	1	05/24/2024 20:37	WG2292509
C22-C32 Hydrocarbons	7.16		1.73	5.21	1	05/24/2024 20:37	WG2292509
C32-C40 Hydrocarbons	5.86		1.73	5.21	1	05/24/2024 20:37	WG2292509
(S) o-Terphenyl	*44.7*			*18.0-148*		*05/24/2024 20:37*	WG2292509

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/30/2024 10:57	WG2295042
Acrolein	U		2.54	50.0	1	05/30/2024 10:57	WG2295042
Acrylonitrile	U		0.671	10.0	1	05/30/2024 10:57	WG2295042
Benzene	U		0.0941	1.00	1	05/30/2024 10:57	WG2295042
Bromobenzene	U		0.118	1.00	1	05/30/2024 10:57	WG2295042
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 10:57	WG2295042
Bromoform	U		0.129	1.00	1	05/30/2024 10:57	WG2295042
Bromomethane	U		0.605	5.00	1	05/30/2024 10:57	WG2295042
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 10:57	WG2295042
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 10:57	WG2295042
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 10:57	WG2295042
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 10:57	WG2295042
Chlorobenzene	U		0.116	1.00	1	05/30/2024 10:57	WG2295042
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 10:57	WG2295042
Chloroethane	U		0.192	5.00	1	05/30/2024 10:57	WG2295042
Chloroform	U		0.111	5.00	1	05/30/2024 10:57	WG2295042
Chloromethane	U		0.960	2.50	1	05/30/2024 10:57	WG2295042
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 10:57	WG2295042
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 10:57	WG2295042
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 10:57	WG2295042
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 10:57	WG2295042
Dibromomethane	U		0.122	1.00	1	05/30/2024 10:57	WG2295042
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 10:57	WG2295042
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 10:57	WG2295042
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 10:57	WG2295042
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 10:57	WG2295042
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 10:57	WG2295042
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 10:57	WG2295042
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 10:57	WG2295042
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/30/2024 10:57	WG2295042
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 10:57	WG2295042
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 10:57	WG2295042
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 10:57	WG2295042
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 10:57	WG2295042
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 10:57	WG2295042
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 10:57	WG2295042
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 10:57	WG2295042
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 10:57	WG2295042
Ethylbenzene	U		0.137	1.00	1	05/30/2024 10:57	WG2295042
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 10:57	WG2295042
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 10:57	WG2295042
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 10:57	WG2295042
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 10:57	WG2295042
Methylene Chloride	U		0.430	5.00	1	05/30/2024 10:57	WG2295042
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 10:57	WG2295042
Methyl tert-butyl ether	U		0.101	1.00	1	05/30/2024 10:57	WG2295042
Naphthalene	U		1.00	5.00	1	05/30/2024 10:57	WG2295042
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 10:57	WG2295042
Styrene	U		0.118	1.00	1	05/30/2024 10:57	WG2295042
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 10:57	WG2295042
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 10:57	WG2295042
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 10:57	WG2295042
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 10:57	WG2295042
Toluene	U		0.278	1.00	1	05/30/2024 10:57	WG2295042
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 10:57	WG2295042
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 10:57	WG2295042

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 10:57	WG2295042
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 10:57	WG2295042
Trichloroethene	U		0.190	1.00	1	05/30/2024 10:57	WG2295042
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 10:57	WG2295042
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 10:57	WG2295042
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 10:57	WG2295042
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 10:57	WG2295042
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 10:57	WG2295042
Vinyl chloride	U		0.234	1.00	1	05/30/2024 10:57	WG2295042
Xylenes, Total	U		0.174	3.00	1	05/30/2024 10:57	WG2295042
(S) Toluene-d8	*106*			*80.0-120*		*05/30/2024 10:57*	WG2295042
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*05/30/2024 10:57*	WG2295042
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/30/2024 10:57*	WG2295042

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/27/2024 15:07	WG2292614

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	05/30/2024 00:13	WG2294310
Arsenic	0.297	J	0.180	2.00	1	05/30/2024 00:13	WG2294310
Barium	5.29		0.381	2.00	1	05/30/2024 00:13	WG2294310
Beryllium	U		0.190	2.00	1	05/30/2024 00:13	WG2294310
Cadmium	U		0.150	1.00	1	05/30/2024 00:13	WG2294310
Chromium	U		1.24	2.00	1	05/30/2024 00:13	WG2294310
Copper	4.10	J	1.51	5.00	1	05/30/2024 00:13	WG2294310
Cobalt	0.238	J	0.0596	2.00	1	05/30/2024 00:13	WG2294310
Lead	1.15	J	0.849	2.00	1	05/30/2024 00:13	WG2294310
Molybdenum	1.40	J	0.348	5.00	1	05/30/2024 00:13	WG2294310
Nickel	1.07	J	0.816	2.00	1	05/30/2024 00:13	WG2294310
Selenium	U		0.300	2.00	1	05/30/2024 00:13	WG2294310
Silver	U		0.0700	2.00	1	05/30/2024 00:13	WG2294310
Thallium	U		0.121	2.00	1	05/30/2024 00:13	WG2294310
Vanadium	1.33	J	0.664	5.00	1	05/30/2024 00:13	WG2294310
Zinc	U		3.02	25.0	1	05/30/2024 00:13	WG2294310

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	55.6	B J	30.4	100	1	05/27/2024 02:11	WG2293775
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*78.0-120*		*05/27/2024 02:11*	WG2293775

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/30/2024 11:18	WG2295042
Acrolein	U		2.54	50.0	1	05/30/2024 11:18	WG2295042
Acrylonitrile	U		0.671	10.0	1	05/30/2024 11:18	WG2295042
Benzene	U		0.0941	1.00	1	05/30/2024 11:18	WG2295042
Bromobenzene	U		0.118	1.00	1	05/30/2024 11:18	WG2295042
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 11:18	WG2295042
Bromoform	U		0.129	1.00	1	05/30/2024 11:18	WG2295042
Bromomethane	U		0.605	5.00	1	05/30/2024 11:18	WG2295042
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 11:18	WG2295042
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 11:18	WG2295042
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 11:18	WG2295042
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 11:18	WG2295042
Chlorobenzene	U		0.116	1.00	1	05/30/2024 11:18	WG2295042
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 11:18	WG2295042
Chloroethane	U		0.192	5.00	1	05/30/2024 11:18	WG2295042
Chloroform	U		0.111	5.00	1	05/30/2024 11:18	WG2295042
Chloromethane	U		0.960	2.50	1	05/30/2024 11:18	WG2295042
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 11:18	WG2295042
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 11:18	WG2295042
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 11:18	WG2295042
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 11:18	WG2295042
Dibromomethane	U		0.122	1.00	1	05/30/2024 11:18	WG2295042
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 11:18	WG2295042

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 11:18	WG2295042
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 11:18	WG2295042
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 11:18	WG2295042
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 11:18	WG2295042
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 11:18	WG2295042
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 11:18	WG2295042
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/30/2024 11:18	WG2295042
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 11:18	WG2295042
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 11:18	WG2295042
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 11:18	WG2295042
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 11:18	WG2295042
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 11:18	WG2295042
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 11:18	WG2295042
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 11:18	WG2295042
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 11:18	WG2295042
Ethylbenzene	U		0.137	1.00	1	05/30/2024 11:18	WG2295042
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 11:18	WG2295042
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 11:18	WG2295042
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 11:18	WG2295042
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 11:18	WG2295042
Methylene Chloride	U		0.430	5.00	1	05/30/2024 11:18	WG2295042
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 11:18	WG2295042
Methyl tert-butyl ether	U		0.101	1.00	1	05/30/2024 11:18	WG2295042
Naphthalene	U		1.00	5.00	1	05/30/2024 11:18	WG2295042
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 11:18	WG2295042
Styrene	U		0.118	1.00	1	05/30/2024 11:18	WG2295042
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 11:18	WG2295042
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 11:18	WG2295042
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 11:18	WG2295042
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 11:18	WG2295042
Toluene	U		0.278	1.00	1	05/30/2024 11:18	WG2295042
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 11:18	WG2295042
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 11:18	WG2295042
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 11:18	WG2295042
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 11:18	WG2295042
Trichloroethene	U		0.190	1.00	1	05/30/2024 11:18	WG2295042
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 11:18	WG2295042
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 11:18	WG2295042
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 11:18	WG2295042
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 11:18	WG2295042
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 11:18	WG2295042
Vinyl chloride	U		0.234	1.00	1	05/30/2024 11:18	WG2295042
Xylenes, Total	U		0.174	3.00	1	05/30/2024 11:18	WG2295042
(S) Toluene-d8	*105*			*80.0-120*		*05/30/2024 11:18*	WG2295042
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*05/30/2024 11:18*	WG2295042
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/30/2024 11:18*	WG2295042

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		33.0	100	1	06/02/2024 08:28	WG2296326
C22-C32 Hydrocarbons	U		33.0	100	1	06/02/2024 08:28	WG2296326
C32-C40 Hydrocarbons	U		33.0	100	1	06/02/2024 08:28	WG2296326
(S) o-Terphenyl	*62.1*			*52.0-156*		*06/02/2024 08:28*	WG2296326

Method Blank (MB)

(MB) R4074083-1 05/24/24 09:20

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739287-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1739287-08 05/24/24 09:20 • (DUP) R4074083-3 05/24/24 09:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.5	95.5	1	0.0471		10

Laboratory Control Sample (LCS)

(LCS) R4074083-2 05/24/24 09:20

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075399-1 05/30/24 07:13

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1739342-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-13 05/30/24 07:13 • (DUP) R4075399-3 05/30/24 07:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.9	83.7	1	0.967		10

Laboratory Control Sample (LCS)

(LCS) R4075399-2 05/30/24 07:13

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4075209-1 05/29/24 15:10

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00500	J		

L1740618-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1740618-22 05/29/24 15:10 • (DUP) R4075209-3 05/29/24 15:10

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.7	90.9	1	2.01		10

Laboratory Control Sample (LCS)

(LCS) R4075209-2 05/29/24 15:10

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075211-1 05/29/24 15:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1739342-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-25 05/29/24 15:29 • (DUP) R4075211-3 05/29/24 15:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.9	91.2	1	2.91		10

Laboratory Control Sample (LCS)

(LCS) R4075211-2 05/29/24 15:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075400-1 05/30/24 07:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00700	J		

L1740231-54 Original Sample (OS) • Duplicate (DUP)

(OS) L1740231-54 05/30/24 07:27 • (DUP) R4075400-3 05/30/24 07:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.9	77.2	1	0.436		10

Laboratory Control Sample (LCS)

(LCS) R4075400-2 05/30/24 07:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4077324-1 06/04/24 14:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739342-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-16 06/04/24 14:49 • (DUP) R4077324-3 06/04/24 14:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	88.2	1	1.72		10

Laboratory Control Sample (LCS)

(LCS) R4077324-2 06/04/24 14:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4079931-1 06/10/24 16:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

L1742995-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1742995-03 06/10/24 16:19 • (DUP) R4079931-3 06/10/24 16:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	85.8	86.5	1	0.780		10

Laboratory Control Sample (LCS)

(LCS) R4079931-2 06/10/24 16:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4087024-1 06/26/24 13:44

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739342-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-11 06/26/24 13:44 • (DUP) R4087024-3 06/26/24 13:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.7	85.8	1	1.28		10

Laboratory Control Sample (LCS)

(LCS) R4087024-2 06/26/24 13:44

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074340-1 05/27/24 14:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074340-2 05/27/24 14:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	2.93	97.8	80.0-120	

L1739203-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739203-01 05/27/24 14:30 • (MS) R4074340-4 05/27/24 14:34 • (MSD) R4074340-5 05/27/24 14:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	U	2.70	2.79	89.9	93.0	1	75.0-125			3.33	20

Method Blank (MB)

(MB) R4075520-1 05/30/24 14:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4075520-2 05/30/24 14:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.527	105	80.0-120	

L1740887-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740887-04 05/30/24 14:46 • (MS) R4075520-4 05/30/24 14:51 • (MSD) R4075520-5 05/30/24 14:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.519	0.540	0.896	0.880	68.6	65.5	1	75.0-125	J6	J6	1.79	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R4075152-1 05/29/24 21:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4075152-2 05/29/24 21:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.514	103	80.0-120	

L1739342-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-02 05/29/24 21:57 • (MS) R4075152-4 05/29/24 22:02 • (MSD) R4075152-5 05/29/24 22:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.606	0.0740	0.628	0.651	91.4	95.2	1	75.0-125			3.64	20

Method Blank (MB)

(MB) R4076045-1 05/31/24 16:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	1.17	J	0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4076045-2 05/31/24 16:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	99.2	99.2	80.0-120	
Arsenic	100	100	100	80.0-120	
Barium	100	104	104	80.0-120	
Beryllium	100	99.0	99.0	80.0-120	
Cadmium	100	99.0	99.0	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	96.9	96.9	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	100	100	80.0-120	
Molybdenum	100	103	103	80.0-120	
Nickel	100	96.8	96.8	80.0-120	
Selenium	100	101	101	80.0-120	
Silver	20.0	18.6	93.1	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	98.9	98.9	80.0-120	
Zinc	100	101	101	80.0-120	

L1739342-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-14 05/31/24 20:09 • (MS) R4076045-5 05/31/24 20:14 • (MSD) R4076045-6 05/31/24 20:16

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	113	0.797	86.5	95.9	75.6	84.0	1	75.0-125			10.4	20
Arsenic	113	4.16	109	112	92.3	95.3	1	75.0-125			3.11	20
Barium	113	140	190	190	44.8	44.4	1	75.0-125	J6	J6	0.254	20
Beryllium	113	0.382	111	113	97.5	99.7	1	75.0-125			2.21	20
Cadmium	113	U	107	110	94.2	97.2	1	75.0-125			3.16	20
Chromium	113	58.2	151	167	81.9	96.1	1	75.0-125			10.1	20
Cobalt	113	16.9	114	121	85.7	92.2	1	75.0-125			6.32	20
Copper	113	23.5	126	134	90.5	97.7	1	75.0-125			6.25	20
Lead	113	10.7	113	119	90.6	95.7	1	75.0-125			4.95	20
Molybdenum	113	U	105	105	92.3	93.0	1	75.0-125			0.679	20
Nickel	113	114	190	226	67.2	99.3	1	75.0-125	J6		17.5	20
Selenium	113	U	104	107	91.4	94.8	1	75.0-125			3.56	20
Silver	22.6	U	17.8	18.2	78.6	80.3	1	75.0-125			2.14	20
Thallium	113	2.08	113	117	97.6	101	1	75.0-125			3.84	20
Vanadium	113	34.1	130	139	85.1	92.7	1	75.0-125			6.39	20
Zinc	113	40.6	129	141	77.6	89.0	1	75.0-125			9.50	20

Method Blank (MB)

(MB) R4076151-1 06/01/24 13:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	0.0629	J	0.0471	0.500
Chromium	0.219	J	0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	1.45	J	0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4076151-2 06/01/24 13:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	94.1	94.1	80.0-120	
Arsenic	100	96.3	96.3	80.0-120	
Barium	100	99.4	99.4	80.0-120	
Beryllium	100	96.2	96.2	80.0-120	
Cadmium	100	94.5	94.5	80.0-120	
Chromium	100	100	100	80.0-120	
Cobalt	100	91.9	91.9	80.0-120	
Copper	100	101	101	80.0-120	
Lead	100	95.5	95.5	80.0-120	
Molybdenum	100	98.4	98.4	80.0-120	
Nickel	100	95.1	95.1	80.0-120	
Selenium	100	92.2	92.2	80.0-120	
Silver	20.0	20.1	100	80.0-120	
Thallium	100	99.6	99.6	80.0-120	
Vanadium	100	95.3	95.3	80.0-120	
Zinc	100	96.5	96.5	80.0-120	

L1739342-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-02 06/01/24 13:39 • (MS) R4076151-5 06/01/24 13:44 • (MSD) R4076151-6 06/01/24 13:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	121	5.18	79.8	83.4	61.5	64.5	1	75.0-125	J6	J6	4.42	20
Arsenic	121	1930	2360	1850	351	0.000	1	75.0-125	V	J3 V	23.9	20
Barium	121	842	762	613	0.000	0.000	1	75.0-125	V	J3 V	21.7	20
Beryllium	121	0.194	97.4	99.5	80.2	81.9	1	75.0-125			2.15	20
Cadmium	121	1.71	105	102	84.8	82.7	1	75.0-125			2.46	20
Chromium	121	835	720	471	0.000	0.000	1	75.0-125	V	J3 V	41.8	20
Cobalt	121	15.4	112	104	79.5	73.0	1	75.0-125		J6	7.24	20
Copper	121	80.7	183	182	83.9	83.2	1	75.0-125			0.459	20
Lead	121	138	267	249	106	91.5	1	75.0-125			6.96	20
Molybdenum	121	1.09	98.7	99.2	80.5	80.9	1	75.0-125			0.517	20
Nickel	121	166	222	168	46.0	1.57	1	75.0-125	J6	J3 J6	27.6	20
Selenium	121	1.48	106	106	86.4	86.0	1	75.0-125			0.511	20
Silver	24.3	0.307	23.0	22.4	93.4	91.2	1	75.0-125			2.26	20
Thallium	121	1.83	104	104	84.0	84.5	1	75.0-125			0.582	20
Vanadium	121	47.9	138	130	74.3	67.4	1	75.0-125	J6	J6	6.25	20
Zinc	121	218	324	266	87.2	39.2	1	75.0-125		J6	19.8	20

Method Blank (MB)

(MB) R4077257-1 06/04/24 18:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4077257-2 06/04/24 18:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	20.0	20.1	100	80.0-120	

L1739158-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739158-14 06/04/24 18:52 • (MS) R4077257-5 06/04/24 19:01 • (MSD) R4077257-6 06/04/24 19:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	22.1	U	22.4	24.0	101	109	1	75.0-125			6.86	20

Method Blank (MB)

(MB) R4081332-1 06/13/24 10:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4081332-2 06/13/24 10:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	20.0	21.1	106	80.0-120	

L1739342-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-21 06/13/24 11:00 • (MS) R4081332-5 06/13/24 11:05 • (MSD) R4081332-6 06/13/24 11:07

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	21.4	U	20.3	18.1	95.0	84.6	1	75.0-125			11.6	20

Method Blank (MB)

(MB) R4087553-1 06/27/24 20:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Nickel	0.181	J	0.132	2.00

Laboratory Control Sample (LCS)

(LCS) R4087553-2 06/27/24 20:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Copper	100	102	102	80.0-120	
Lead	100	98.7	98.7	80.0-120	
Nickel	100	97.7	97.7	80.0-120	

L1750258-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1750258-01 06/27/24 20:05 • (MS) R4087553-5 06/27/24 20:10 • (MSD) R4087553-6 06/27/24 20:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper	114	2.09	108	111	93.0	95.0	1	75.0-125			2.07	20
Lead	114	19.1	116	118	84.6	86.9	1	75.0-125			2.23	20
Nickel	114	4.00	111	112	93.9	94.8	1	75.0-125			0.879	20

Method Blank (MB)

(MB) R4088878-1 07/01/24 19:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Nickel	U		0.132	2.00

Laboratory Control Sample (LCS)

(LCS) R4088878-2 07/01/24 19:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.4	90.4	80.0-120	
Nickel	100	92.4	92.4	80.0-120	

L1741921-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-16 07/01/24 19:55 • (MS) R4088878-5 07/01/24 20:00 • (MSD) R4088878-6 07/01/24 20:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	123	6.29	110	121	84.3	92.6	1	75.0-125			8.88	20
Nickel	123	37.4	145	157	86.8	97.1	1	75.0-125			8.44	20

Method Blank (MB)

(MB) R4075132-1 05/29/24 22:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4075132-2 05/29/24 22:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	50.7	101	80.0-120	
Arsenic	50.0	49.8	99.5	80.0-120	
Barium	50.0	48.3	96.6	80.0-120	
Beryllium	50.0	44.7	89.4	80.0-120	
Cadmium	50.0	49.7	99.5	80.0-120	
Chromium	50.0	50.3	101	80.0-120	
Copper	50.0	50.0	100	80.0-120	
Cobalt	50.0	50.5	101	80.0-120	
Lead	50.0	50.2	100	80.0-120	
Molybdenum	50.0	49.2	98.4	80.0-120	
Nickel	50.0	51.5	103	80.0-120	
Selenium	50.0	50.9	102	80.0-120	
Silver	50.0	50.4	101	80.0-120	
Thallium	50.0	48.9	97.8	80.0-120	
Vanadium	50.0	48.9	97.9	80.0-120	
Zinc	50.0	48.7	97.4	80.0-120	

L1738756-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738756-07 05/29/24 22:37 • (MS) R4075132-4 05/29/24 22:44 • (MSD) R4075132-5 05/29/24 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	53.8	54.3	108	109	1	75.0-125			1.05	20
Arsenic	50.0	0.881	51.2	52.9	101	104	1	75.0-125			3.18	20
Barium	50.0	70.7	119	120	97.2	98.3	1	75.0-125			0.482	20
Beryllium	50.0	U	48.0	48.5	96.0	97.0	1	75.0-125			0.954	20
Cadmium	50.0	0.374	50.5	52.4	100	104	1	75.0-125			3.70	20
Chromium	50.0	U	49.0	51.4	98.0	103	1	75.0-125			4.75	20
Copper	50.0	6.40	54.7	55.8	96.6	98.7	1	75.0-125			1.92	20
Cobalt	50.0	0.542	49.3	51.3	97.4	101	1	75.0-125			3.98	20
Lead	50.0	1.05	52.3	55.3	103	109	1	75.0-125			5.50	20
Molybdenum	50.0		62.3	63.5	103	105	1	75.0-125			1.93	20
Nickel	50.0	4.94	53.7	56.6	97.4	103	1	75.0-125			5.35	20
Selenium	50.0	U	53.6	54.0	107	108	1	75.0-125			0.719	20
Silver	50.0	U	49.8	51.8	99.5	104	1	75.0-125			3.98	20
Thallium	50.0	U	50.6	52.7	101	105	1	75.0-125			4.19	20
Vanadium	50.0	U	50.5	52.2	101	104	1	75.0-125			3.27	20
Zinc	50.0	37.3	84.2	87.1	93.9	99.7	1	75.0-125			3.41	20

Method Blank (MB)

(MB) R4074741-2 05/26/24 02:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.88	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4074741-1 05/26/24 00:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.81	116	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

L1738627-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1738627-03 05/26/24 02:22 • (MS) R4074741-3 05/26/24 08:50 • (MSD) R4074741-4 05/26/24 09:09

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	168	2.26	183	190	108	112	28.5	10.0-141			3.77	29
(S) a,a,a-Trifluorotoluene(FID)					*107*	*107*		*77.0-120*				

Method Blank (MB)

(MB) R4075221-1 05/29/24 13:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.74	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075221-2 05/29/24 14:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	3.90	78.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R4075353-1 05/30/24 11:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075353-2 05/30/24 11:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.40	88.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*94.3*	*77.0-120*	

Method Blank (MB)

(MB) R4078024-2 06/05/24 00:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.992	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078024-1 06/04/24 22:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	6.00	120	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*116*	*77.0-120*	

L1741491-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741491-05 06/05/24 05:06 • (MS) R4078024-3 06/05/24 08:33 • (MSD) R4078024-4 06/05/24 08:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	216	5.45	232	227	105	103	25.8	10.0-141			2.18	29
(S) a,a,a-Trifluorotoluene(FID)					*116*	*115*		*77.0-120*				

Method Blank (MB)

(MB) R4074845-4 05/27/24 00:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	88.2	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074845-1 05/26/24 22:44 • (LCSD) R4074845-2 05/26/24 23:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5000	5360	5400	107	108	71.0-127			0.743	20
(S) a,a,a-Trifluorotoluene(FID)				*111*	*110*	*78.0-120*				

Method Blank (MB)

(MB) R4074804-3 05/25/24 13:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4074804-3 05/25/24 13:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*94.1*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074804-1 05/25/24 12:19 • (LCSD) R4074804-2 05/25/24 12:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.36	1.23	218	197	10.0-160	J4	J4	10.0	31
Acrylonitrile	0.625	0.611	0.660	97.8	106	45.0-153			7.71	22
Benzene	0.125	0.126	0.127	101	102	70.0-123			0.791	20
Bromobenzene	0.125	0.118	0.115	94.4	92.0	73.0-121			2.58	20
Bromodichloromethane	0.125	0.126	0.123	101	98.4	73.0-121			2.41	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074804-1 05/25/24 12:19 • (LCSD) R4074804-2 05/25/24 12:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0965	0.0994	77.2	79.5	64.0-132			2.96	20
Bromomethane	0.125	0.0950	0.0961	76.0	76.9	56.0-147			1.15	20
n-Butylbenzene	0.125	0.117	0.111	93.6	88.8	68.0-135			5.26	20
sec-Butylbenzene	0.125	0.133	0.137	106	110	74.0-130			2.96	20
tert-Butylbenzene	0.125	0.122	0.123	97.6	98.4	75.0-127			0.816	20
Carbon tetrachloride	0.125	0.118	0.130	94.4	104	66.0-128			9.68	20
Chlorobenzene	0.125	0.106	0.110	84.8	88.0	76.0-128			3.70	20
Chlorodibromomethane	0.125	0.102	0.105	81.6	84.0	74.0-127			2.90	20
Chloroethane	0.125	0.118	0.112	94.4	89.6	61.0-134			5.22	20
Chloroform	0.125	0.119	0.121	95.2	96.8	72.0-123			1.67	20
Chloromethane	0.125	0.138	0.158	110	126	51.0-138			13.5	20
2-Chlorotoluene	0.125	0.117	0.124	93.6	99.2	75.0-124			5.81	20
4-Chlorotoluene	0.125	0.132	0.134	106	107	75.0-124			1.50	20
1,2-Dibromo-3-Chloropropane	0.125	0.0947	0.104	75.8	83.2	59.0-130			9.36	20
1,2-Dibromoethane	0.125	0.105	0.104	84.0	83.2	74.0-128			0.957	20
Dibromomethane	0.125	0.107	0.110	85.6	88.0	75.0-122			2.76	20
1,2-Dichlorobenzene	0.125	0.116	0.119	92.8	95.2	76.0-124			2.55	20
1,3-Dichlorobenzene	0.125	0.114	0.116	91.2	92.8	76.0-125			1.74	20
1,4-Dichlorobenzene	0.125	0.111	0.113	88.8	90.4	77.0-121			1.79	20
Dichlorodifluoromethane	0.125	0.125	0.131	100	105	43.0-156			4.69	20
1,1-Dichloroethane	0.125	0.140	0.152	112	122	70.0-127			8.22	20
1,2-Dichloroethane	0.125	0.149	0.150	119	120	65.0-131			0.669	20
1,1-Dichloroethene	0.125	0.123	0.119	98.4	95.2	65.0-131			3.31	20
cis-1,2-Dichloroethene	0.125	0.122	0.125	97.6	100	73.0-125			2.43	20
trans-1,2-Dichloroethene	0.125	0.119	0.125	95.2	100	71.0-125			4.92	20
1,2-Dichloropropane	0.125	0.149	0.157	119	126	74.0-125		J4	5.23	20
1,1-Dichloropropene	0.125	0.141	0.147	113	118	73.0-125			4.17	20
1,3-Dichloropropane	0.125	0.118	0.120	94.4	96.0	80.0-125			1.68	20
cis-1,3-Dichloropropene	0.125	0.141	0.145	113	116	76.0-127			2.80	20
trans-1,3-Dichloropropene	0.125	0.130	0.136	104	109	73.0-127			4.51	20
2,2-Dichloropropane	0.125	0.129	0.136	103	109	59.0-135			5.28	20
Di-isopropyl ether	0.125	0.159	0.160	127	128	60.0-136			0.627	20
Ethylbenzene	0.125	0.106	0.107	84.8	85.6	74.0-126			0.939	20
Hexachloro-1,3-butadiene	0.125	0.114	0.116	91.2	92.8	57.0-150			1.74	20
Isopropylbenzene	0.125	0.108	0.109	86.4	87.2	72.0-127			0.922	20
p-Isopropyltoluene	0.125	0.128	0.133	102	106	72.0-133			3.83	20
2-Butanone (MEK)	0.625	1.05	1.05	168	168	30.0-160	J4	J4	0.000	24
Methylene Chloride	0.125	0.110	0.112	88.0	89.6	68.0-123			1.80	20
4-Methyl-2-pentanone (MIBK)	0.625	0.703	0.728	112	116	56.0-143			3.49	20
Methyl tert-butyl ether	0.125	0.0978	0.0930	78.2	74.4	66.0-132			5.03	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074804-1 05/25/24 12:19 • (LCSD) R4074804-2 05/25/24 12:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0979	0.0988	78.3	79.0	59.0-130			0.915	20
n-Propylbenzene	0.125	0.125	0.139	100	111	74.0-126			10.6	20
Styrene	0.125	0.112	0.117	89.6	93.6	72.0-127			4.37	20
1,1,1,2-Tetrachloroethane	0.125	0.101	0.106	80.8	84.8	74.0-129			4.83	20
1,1,2,2-Tetrachloroethane	0.125	0.121	0.122	96.8	97.6	68.0-128			0.823	20
1,1,2-Trichlorotrifluoroethane	0.125	0.0776	0.0810	62.1	64.8	61.0-139			4.29	20
Tetrachloroethene	0.125	0.101	0.109	80.8	87.2	70.0-136			7.62	20
Toluene	0.125	0.120	0.124	96.0	99.2	75.0-121			3.28	20
1,2,3-Trichlorobenzene	0.125	0.111	0.114	88.8	91.2	59.0-139			2.67	20
1,2,4-Trichlorobenzene	0.125	0.106	0.107	84.8	85.6	62.0-137			0.939	20
1,1,1-Trichloroethane	0.125	0.120	0.122	96.0	97.6	69.0-126			1.65	20
1,1,2-Trichloroethane	0.125	0.110	0.113	88.0	90.4	78.0-123			2.69	20
Trichloroethene	0.125	0.113	0.120	90.4	96.0	76.0-126			6.01	20
Trichlorofluoromethane	0.125	0.0755	0.0867	60.4	69.4	61.0-142	J4		13.8	20
1,2,3-Trichloropropane	0.125	0.109	0.116	87.2	92.8	67.0-129			6.22	20
1,2,4-Trimethylbenzene	0.125	0.125	0.129	100	103	70.0-126			3.15	20
1,2,3-Trimethylbenzene	0.125	0.122	0.126	97.6	101	74.0-124			3.23	20
1,3,5-Trimethylbenzene	0.125	0.130	0.135	104	108	73.0-127			3.77	20
Vinyl chloride	0.125	0.130	0.133	104	106	63.0-134			2.28	20
Xylenes, Total	0.375	0.333	0.341	88.8	90.9	72.0-127			2.37	20
(S) Toluene-d8				*93.3*	*95.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.8*	*97.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*106*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R4075246-2 05/29/24 22:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075246-2 05/29/24 22:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*83.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4075246-1 05/29/24 20:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.558	89.3	10.0-160	
Acrylonitrile	0.625	0.548	87.7	45.0-153	
Benzene	0.125	0.117	93.6	70.0-123	
Bromobenzene	0.125	0.104	83.2	73.0-121	
Bromodichloromethane	0.125	0.0979	78.3	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4075246-1 05/29/24 20:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.105	84.0	64.0-132	
Bromomethane	0.125	0.140	112	56.0-147	
n-Butylbenzene	0.125	0.0989	79.1	68.0-135	
sec-Butylbenzene	0.125	0.0982	78.6	74.0-130	
tert-Butylbenzene	0.125	0.0987	79.0	75.0-127	
Carbon tetrachloride	0.125	0.127	102	66.0-128	
Chlorobenzene	0.125	0.121	96.8	76.0-128	
Chlorodibromomethane	0.125	0.109	87.2	74.0-127	
Chloroethane	0.125	0.142	114	61.0-134	
Chloroform	0.125	0.107	85.6	72.0-123	
Chloromethane	0.125	0.156	125	51.0-138	
2-Chlorotoluene	0.125	0.0975	78.0	75.0-124	
4-Chlorotoluene	0.125	0.0958	76.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0786	62.9	59.0-130	
1,2-Dibromoethane	0.125	0.110	88.0	74.0-128	
Dibromomethane	0.125	0.0998	79.8	75.0-122	
1,2-Dichlorobenzene	0.125	0.104	83.2	76.0-124	
1,3-Dichlorobenzene	0.125	0.107	85.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.0988	79.0	77.0-121	
Dichlorodifluoromethane	0.125	0.124	99.2	43.0-156	
1,1-Dichloroethane	0.125	0.104	83.2	70.0-127	
1,2-Dichloroethane	0.125	0.111	88.8	65.0-131	
1,1-Dichloroethene	0.125	0.113	90.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.104	83.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.105	84.0	71.0-125	
1,2-Dichloropropane	0.125	0.104	83.2	74.0-125	
1,1-Dichloropropene	0.125	0.105	84.0	73.0-125	
1,3-Dichloropropane	0.125	0.112	89.6	80.0-125	
cis-1,3-Dichloropropene	0.125	0.108	86.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.104	83.2	73.0-127	
2,2-Dichloropropane	0.125	0.0861	68.9	59.0-135	
Di-isopropyl ether	0.125	0.120	96.0	60.0-136	
Ethylbenzene	0.125	0.113	90.4	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0970	77.6	57.0-150	
Isopropylbenzene	0.125	0.114	91.2	72.0-127	
p-Isopropyltoluene	0.125	0.0967	77.4	72.0-133	
2-Butanone (MEK)	0.625	0.637	102	30.0-160	
Methylene Chloride	0.125	0.101	80.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.596	95.4	56.0-143	
Methyl tert-butyl ether	0.125	0.0971	77.7	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4075246-1 05/29/24 20:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0812	65.0	59.0-130	
n-Propylbenzene	0.125	0.0984	78.7	74.0-126	
Styrene	0.125	0.135	108	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.111	88.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0943	75.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.106	84.8	61.0-139	
Tetrachloroethene	0.125	0.119	95.2	70.0-136	
Toluene	0.125	0.110	88.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.101	80.8	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0953	76.2	62.0-137	
1,1,1-Trichloroethane	0.125	0.118	94.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.103	82.4	78.0-123	
Trichloroethene	0.125	0.131	105	76.0-126	
Trichlorofluoromethane	0.125	0.162	130	61.0-142	
1,2,3-Trichloropropane	0.125	0.0930	74.4	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.0855	68.4	70.0-126	J4
1,2,3-Trimethylbenzene	0.125	0.0906	72.5	74.0-124	J4
1,3,5-Trimethylbenzene	0.125	0.0858	68.6	73.0-127	J4
Vinyl chloride	0.125	0.151	121	63.0-134	
Xylenes, Total	0.375	0.316	84.3	72.0-127	
(S) Toluene-d8			*105*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*93.3*	*70.0-130*	

Method Blank (MB)

(MB) R4075475-3 05/30/24 08:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075475-3 05/30/24 08:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*99.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075475-1 05/30/24 07:17 • (LCSD) R4075475-2 05/30/24 07:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.45	1.41	232	226	10.0-160	J4	J4	2.80	31
Acrylonitrile	0.625	0.933	0.883	149	141	45.0-153			5.51	22
Benzene	0.125	0.110	0.107	88.0	85.6	70.0-123			2.76	20
Bromobenzene	0.125	0.109	0.104	87.2	83.2	73.0-121			4.69	20
Bromodichloromethane	0.125	0.117	0.112	93.6	89.6	73.0-121			4.37	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075475-1 05/30/24 07:17 • (LCSD) R4075475-2 05/30/24 07:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.109	0.110	87.2	88.0	64.0-132			0.913	20
Bromomethane	0.125	0.119	0.115	95.2	92.0	56.0-147			3.42	20
n-Butylbenzene	0.125	0.107	0.113	85.6	90.4	68.0-135			5.45	20
sec-Butylbenzene	0.125	0.121	0.121	96.8	96.8	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.120	0.121	96.0	96.8	75.0-127			0.830	20
Carbon tetrachloride	0.125	0.125	0.128	100	102	66.0-128			2.37	20
Chlorobenzene	0.125	0.111	0.108	88.8	86.4	76.0-128			2.74	20
Chlorodibromomethane	0.125	0.110	0.107	88.0	85.6	74.0-127			2.76	20
Chloroethane	0.125	0.121	0.124	96.8	99.2	61.0-134			2.45	20
Chloroform	0.125	0.108	0.108	86.4	86.4	72.0-123			0.000	20
Chloromethane	0.125	0.107	0.111	85.6	88.8	51.0-138			3.67	20
2-Chlorotoluene	0.125	0.117	0.116	93.6	92.8	75.0-124			0.858	20
4-Chlorotoluene	0.125	0.116	0.111	92.8	88.8	75.0-124			4.41	20
1,2-Dibromo-3-Chloropropane	0.125	0.121	0.124	96.8	99.2	59.0-130			2.45	20
1,2-Dibromoethane	0.125	0.117	0.114	93.6	91.2	74.0-128			2.60	20
Dibromomethane	0.125	0.109	0.110	87.2	88.0	75.0-122			0.913	20
1,2-Dichlorobenzene	0.125	0.102	0.101	81.6	80.8	76.0-124			0.985	20
1,3-Dichlorobenzene	0.125	0.107	0.106	85.6	84.8	76.0-125			0.939	20
1,4-Dichlorobenzene	0.125	0.109	0.106	87.2	84.8	77.0-121			2.79	20
Dichlorodifluoromethane	0.125	0.137	0.142	110	114	43.0-156			3.58	20
1,1-Dichloroethane	0.125	0.123	0.120	98.4	96.0	70.0-127			2.47	20
1,2-Dichloroethane	0.125	0.106	0.107	84.8	85.6	65.0-131			0.939	20
1,1-Dichloroethene	0.125	0.119	0.120	95.2	96.0	65.0-131			0.837	20
cis-1,2-Dichloroethene	0.125	0.117	0.116	93.6	92.8	73.0-125			0.858	20
trans-1,2-Dichloroethene	0.125	0.116	0.118	92.8	94.4	71.0-125			1.71	20
1,2-Dichloropropane	0.125	0.114	0.110	91.2	88.0	74.0-125			3.57	20
1,1-Dichloropropene	0.125	0.127	0.118	102	94.4	73.0-125			7.35	20
1,3-Dichloropropane	0.125	0.115	0.111	92.0	88.8	80.0-125			3.54	20
cis-1,3-Dichloropropene	0.125	0.125	0.120	100	96.0	76.0-127			4.08	20
trans-1,3-Dichloropropene	0.125	0.120	0.113	96.0	90.4	73.0-127			6.01	20
2,2-Dichloropropane	0.125	0.127	0.132	102	106	59.0-135			3.86	20
Di-isopropyl ether	0.125	0.121	0.119	96.8	95.2	60.0-136			1.67	20
Ethylbenzene	0.125	0.113	0.112	90.4	89.6	74.0-126			0.889	20
Hexachloro-1,3-butadiene	0.125	0.111	0.128	88.8	102	57.0-150			14.2	20
Isopropylbenzene	0.125	0.115	0.116	92.0	92.8	72.0-127			0.866	20
p-Isopropyltoluene	0.125	0.112	0.117	89.6	93.6	72.0-133			4.37	20
2-Butanone (MEK)	0.625	1.06	1.07	170	171	30.0-160	J4	J4	0.939	24
Methylene Chloride	0.125	0.116	0.113	92.8	90.4	68.0-123			2.62	20
4-Methyl-2-pentanone (MIBK)	0.625	0.730	0.711	117	114	56.0-143			2.64	20
Methyl tert-butyl ether	0.125	0.124	0.116	99.2	92.8	66.0-132			6.67	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075475-1 05/30/24 07:17 • (LCSD) R4075475-2 05/30/24 07:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0852	0.0932	68.2	74.6	59.0-130			8.97	20
n-Propylbenzene	0.125	0.123	0.119	98.4	95.2	74.0-126			3.31	20
Styrene	0.125	0.109	0.105	87.2	84.0	72.0-127			3.74	20
1,1,1,2-Tetrachloroethane	0.125	0.109	0.108	87.2	86.4	74.0-129			0.922	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.113	94.4	90.4	68.0-128			4.33	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.123	101	98.4	61.0-139			2.41	20
Tetrachloroethene	0.125	0.119	0.119	95.2	95.2	70.0-136			0.000	20
Toluene	0.125	0.111	0.107	88.8	85.6	75.0-121			3.67	20
1,2,3-Trichlorobenzene	0.125	0.0955	0.0983	76.4	78.6	59.0-139			2.89	20
1,2,4-Trichlorobenzene	0.125	0.0913	0.0990	73.0	79.2	62.0-137			8.09	20
1,1,1-Trichloroethane	0.125	0.127	0.127	102	102	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.116	0.111	92.8	88.8	78.0-123			4.41	20
Trichloroethene	0.125	0.121	0.117	96.8	93.6	76.0-126			3.36	20
Trichlorofluoromethane	0.125	0.150	0.152	120	122	61.0-142			1.32	20
1,2,3-Trichloropropane	0.125	0.128	0.119	102	95.2	67.0-129			7.29	20
1,2,4-Trimethylbenzene	0.125	0.107	0.106	85.6	84.8	70.0-126			0.939	20
1,2,3-Trimethylbenzene	0.125	0.102	0.103	81.6	82.4	74.0-124			0.976	20
1,3,5-Trimethylbenzene	0.125	0.111	0.112	88.8	89.6	73.0-127			0.897	20
Vinyl chloride	0.125	0.116	0.117	92.8	93.6	63.0-134			0.858	20
Xylenes, Total	0.375	0.333	0.334	88.8	89.1	72.0-127			0.300	20
(S) Toluene-d8				*100*	*99.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.5*	*98.8*	*70.0-130*				

Method Blank (MB)

(MB) R4075616-3 05/30/24 13:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075616-3 05/30/24 13:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075616-1 05/30/24 12:12 • (LCSD) R4075616-2 05/30/24 12:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.443	0.559	70.9	89.4	10.0-160			23.2	31
Acrylonitrile	0.625	0.512	0.571	81.9	91.4	45.0-153			10.9	22
Benzene	0.125	0.112	0.117	89.6	93.6	70.0-123			4.37	20
Bromobenzene	0.125	0.119	0.121	95.2	96.8	73.0-121			1.67	20
Bromodichloromethane	0.125	0.120	0.119	96.0	95.2	73.0-121			0.837	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075616-1 05/30/24 12:12 • (LCSD) R4075616-2 05/30/24 12:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.105	0.107	84.0	85.6	64.0-132			1.89	20
Bromomethane	0.125	0.104	0.125	83.2	100	56.0-147			18.3	20
n-Butylbenzene	0.125	0.115	0.126	92.0	101	68.0-135			9.13	20
sec-Butylbenzene	0.125	0.123	0.127	98.4	102	74.0-130			3.20	20
tert-Butylbenzene	0.125	0.122	0.123	97.6	98.4	75.0-127			0.816	20
Carbon tetrachloride	0.125	0.121	0.124	96.8	99.2	66.0-128			2.45	20
Chlorobenzene	0.125	0.119	0.118	95.2	94.4	76.0-128			0.844	20
Chlorodibromomethane	0.125	0.119	0.114	95.2	91.2	74.0-127			4.29	20
Chloroethane	0.125	0.120	0.134	96.0	107	61.0-134			11.0	20
Chloroform	0.125	0.112	0.121	89.6	96.8	72.0-123			7.73	20
Chloromethane	0.125	0.125	0.126	100	101	51.0-138			0.797	20
2-Chlorotoluene	0.125	0.119	0.122	95.2	97.6	75.0-124			2.49	20
4-Chlorotoluene	0.125	0.112	0.115	89.6	92.0	75.0-124			2.64	20
1,2-Dibromo-3-Chloropropane	0.125	0.0891	0.0963	71.3	77.0	59.0-130			7.77	20
1,2-Dibromoethane	0.125	0.114	0.110	91.2	88.0	74.0-128			3.57	20
Dibromomethane	0.125	0.115	0.121	92.0	96.8	75.0-122			5.08	20
1,2-Dichlorobenzene	0.125	0.113	0.121	90.4	96.8	76.0-124			6.84	20
1,3-Dichlorobenzene	0.125	0.121	0.126	96.8	101	76.0-125			4.05	20
1,4-Dichlorobenzene	0.125	0.114	0.120	91.2	96.0	77.0-121			5.13	20
Dichlorodifluoromethane	0.125	0.112	0.131	89.6	105	43.0-156			15.6	20
1,1-Dichloroethane	0.125	0.109	0.121	87.2	96.8	70.0-127			10.4	20
1,2-Dichloroethane	0.125	0.111	0.114	88.8	91.2	65.0-131			2.67	20
1,1-Dichloroethene	0.125	0.114	0.123	91.2	98.4	65.0-131			7.59	20
cis-1,2-Dichloroethene	0.125	0.113	0.125	90.4	100	73.0-125			10.1	20
trans-1,2-Dichloroethene	0.125	0.115	0.121	92.0	96.8	71.0-125			5.08	20
1,2-Dichloropropane	0.125	0.114	0.115	91.2	92.0	74.0-125			0.873	20
1,1-Dichloropropene	0.125	0.116	0.116	92.8	92.8	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.121	0.115	96.8	92.0	80.0-125			5.08	20
cis-1,3-Dichloropropene	0.125	0.117	0.113	93.6	90.4	76.0-127			3.48	20
trans-1,3-Dichloropropene	0.125	0.117	0.110	93.6	88.0	73.0-127			6.17	20
2,2-Dichloropropane	0.125	0.105	0.114	84.0	91.2	59.0-135			8.22	20
Di-isopropyl ether	0.125	0.114	0.118	91.2	94.4	60.0-136			3.45	20
Ethylbenzene	0.125	0.118	0.119	94.4	95.2	74.0-126			0.844	20
Hexachloro-1,3-butadiene	0.125	0.106	0.135	84.8	108	57.0-150		J3	24.1	20
Isopropylbenzene	0.125	0.113	0.121	90.4	96.8	72.0-127			6.84	20
p-Isopropyltoluene	0.125	0.121	0.129	96.8	103	72.0-133			6.40	20
2-Butanone (MEK)	0.625	0.589	0.633	94.2	101	30.0-160			7.20	24
Methylene Chloride	0.125	0.115	0.124	92.0	99.2	68.0-123			7.53	20
4-Methyl-2-pentanone (MIBK)	0.625	0.569	0.568	91.0	90.9	56.0-143			0.176	20
Methyl tert-butyl ether	0.125	0.108	0.118	86.4	94.4	66.0-132			8.85	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075616-1 05/30/24 12:12 • (LCSD) R4075616-2 05/30/24 12:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.104	0.120	83.2	96.0	59.0-130			14.3	20
n-Propylbenzene	0.125	0.118	0.120	94.4	96.0	74.0-126			1.68	20
Styrene	0.125	0.112	0.117	89.6	93.6	72.0-127			4.37	20
1,1,1,2-Tetrachloroethane	0.125	0.117	0.121	93.6	96.8	74.0-129			3.36	20
1,1,2,2-Tetrachloroethane	0.125	0.111	0.108	88.8	86.4	68.0-128			2.74	20
1,1,2-Trichlorotrifluoroethane	0.125	0.105	0.123	84.0	98.4	61.0-139			15.8	20
Tetrachloroethene	0.125	0.126	0.124	101	99.2	70.0-136			1.60	20
Toluene	0.125	0.113	0.114	90.4	91.2	75.0-121			0.881	20
1,2,3-Trichlorobenzene	0.125	0.103	0.125	82.4	100	59.0-139			19.3	20
1,2,4-Trichlorobenzene	0.125	0.102	0.119	81.6	95.2	62.0-137			15.4	20
1,1,1-Trichloroethane	0.125	0.120	0.129	96.0	103	69.0-126			7.23	20
1,1,2-Trichloroethane	0.125	0.116	0.114	92.8	91.2	78.0-123			1.74	20
Trichloroethene	0.125	0.105	0.112	84.0	89.6	76.0-126			6.45	20
Trichlorofluoromethane	0.125	0.119	0.131	95.2	105	61.0-142			9.60	20
1,2,3-Trichloropropane	0.125	0.122	0.115	97.6	92.0	67.0-129			5.91	20
1,2,4-Trimethylbenzene	0.125	0.117	0.127	93.6	102	70.0-126			8.20	20
1,2,3-Trimethylbenzene	0.125	0.114	0.121	91.2	96.8	74.0-124			5.96	20
1,3,5-Trimethylbenzene	0.125	0.119	0.125	95.2	100	73.0-127			4.92	20
Vinyl chloride	0.125	0.129	0.139	103	111	63.0-134			7.46	20
Xylenes, Total	0.375	0.334	0.348	89.1	92.8	72.0-127			4.11	20
(S) Toluene-d8				*100*	*96.7*	*75.0-131*				
(S) 4-Bromofluorobenzene				*95.7*	*99.0*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.4*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R4077614-3 06/04/24 15:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4077614-3 06/04/24 15:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*99.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077614-1 06/04/24 13:42 • (LCSD) R4077614-2 06/04/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.798	0.847	128	136	10.0-160			5.96	31
Acrylonitrile	0.625	0.831	0.828	133	132	45.0-153			0.362	22
Benzene	0.125	0.131	0.130	105	104	70.0-123			0.766	20
Bromobenzene	0.125	0.129	0.132	103	106	73.0-121			2.30	20
Bromodichloromethane	0.125	0.133	0.130	106	104	73.0-121			2.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077614-1 06/04/24 13:42 • (LCSD) R4077614-2 06/04/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.116	0.119	92.8	95.2	64.0-132			2.55	20
Bromomethane	0.125	0.122	0.116	97.6	92.8	56.0-147			5.04	20
n-Butylbenzene	0.125	0.143	0.141	114	113	68.0-135			1.41	20
sec-Butylbenzene	0.125	0.138	0.138	110	110	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.145	0.144	116	115	75.0-127			0.692	20
Carbon tetrachloride	0.125	0.140	0.138	112	110	66.0-128			1.44	20
Chlorobenzene	0.125	0.131	0.130	105	104	76.0-128			0.766	20
Chlorodibromomethane	0.125	0.129	0.128	103	102	74.0-127			0.778	20
Chloroethane	0.125	0.128	0.123	102	98.4	61.0-134			3.98	20
Chloroform	0.125	0.125	0.124	100	99.2	72.0-123			0.803	20
Chloromethane	0.125	0.143	0.138	114	110	51.0-138			3.56	20
2-Chlorotoluene	0.125	0.134	0.134	107	107	75.0-124			0.000	20
4-Chlorotoluene	0.125	0.132	0.130	106	104	75.0-124			1.53	20
1,2-Dibromo-3-Chloropropane	0.125	0.125	0.129	100	103	59.0-130			3.15	20
1,2-Dibromoethane	0.125	0.136	0.139	109	111	74.0-128			2.18	20
Dibromomethane	0.125	0.133	0.135	106	108	75.0-122			1.49	20
1,2-Dichlorobenzene	0.125	0.140	0.142	112	114	76.0-124			1.42	20
1,3-Dichlorobenzene	0.125	0.139	0.136	111	109	76.0-125			2.18	20
1,4-Dichlorobenzene	0.125	0.136	0.137	109	110	77.0-121			0.733	20
Dichlorodifluoromethane	0.125	0.173	0.167	138	134	43.0-156			3.53	20
1,1-Dichloroethane	0.125	0.137	0.135	110	108	70.0-127			1.47	20
1,2-Dichloroethane	0.125	0.123	0.121	98.4	96.8	65.0-131			1.64	20
1,1-Dichloroethene	0.125	0.140	0.137	112	110	65.0-131			2.17	20
cis-1,2-Dichloroethene	0.125	0.126	0.122	101	97.6	73.0-125			3.23	20
trans-1,2-Dichloroethene	0.125	0.130	0.128	104	102	71.0-125			1.55	20
1,2-Dichloropropane	0.125	0.138	0.135	110	108	74.0-125			2.20	20
1,1-Dichloropropene	0.125	0.137	0.134	110	107	73.0-125			2.21	20
1,3-Dichloropropane	0.125	0.139	0.138	111	110	80.0-125			0.722	20
cis-1,3-Dichloropropene	0.125	0.141	0.140	113	112	76.0-127			0.712	20
trans-1,3-Dichloropropene	0.125	0.140	0.140	112	112	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.135	0.131	108	105	59.0-135			3.01	20
Di-isopropyl ether	0.125	0.135	0.134	108	107	60.0-136			0.743	20
Ethylbenzene	0.125	0.132	0.131	106	105	74.0-126			0.760	20
Hexachloro-1,3-butadiene	0.125	0.145	0.142	116	114	57.0-150			2.09	20
Isopropylbenzene	0.125	0.134	0.134	107	107	72.0-127			0.000	20
p-Isopropyltoluene	0.125	0.136	0.138	109	110	72.0-133			1.46	20
2-Butanone (MEK)	0.625	0.838	0.871	134	139	30.0-160			3.86	24
Methylene Chloride	0.125	0.131	0.124	105	99.2	68.0-123			5.49	20
4-Methyl-2-pentanone (MIBK)	0.625	0.752	0.769	120	123	56.0-143			2.24	20
Methyl tert-butyl ether	0.125	0.134	0.138	107	110	66.0-132			2.94	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077614-1 06/04/24 13:42 • (LCSD) R4077614-2 06/04/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.132	0.138	106	110	59.0-130			4.44	20
n-Propylbenzene	0.125	0.136	0.137	109	110	74.0-126			0.733	20
Styrene	0.125	0.129	0.130	103	104	72.0-127			0.772	20
1,1,1,2-Tetrachloroethane	0.125	0.125	0.127	100	102	74.0-129			1.59	20
1,1,2,2-Tetrachloroethane	0.125	0.136	0.138	109	110	68.0-128			1.46	20
1,1,2-Trichlorotrifluoroethane	0.125	0.150	0.146	120	117	61.0-139			2.70	20
Tetrachloroethene	0.125	0.137	0.132	110	106	70.0-136			3.72	20
Toluene	0.125	0.125	0.124	100	99.2	75.0-121			0.803	20
1,2,3-Trichlorobenzene	0.125	0.133	0.132	106	106	59.0-139			0.755	20
1,2,4-Trichlorobenzene	0.125	0.143	0.142	114	114	62.0-137			0.702	20
1,1,1-Trichloroethane	0.125	0.143	0.140	114	112	69.0-126			2.12	20
1,1,2-Trichloroethane	0.125	0.134	0.134	107	107	78.0-123			0.000	20
Trichloroethene	0.125	0.137	0.136	110	109	76.0-126			0.733	20
Trichlorofluoromethane	0.125	0.142	0.136	114	109	61.0-142			4.32	20
1,2,3-Trichloropropane	0.125	0.138	0.133	110	106	67.0-129			3.69	20
1,2,4-Trimethylbenzene	0.125	0.131	0.130	105	104	70.0-126			0.766	20
1,2,3-Trimethylbenzene	0.125	0.126	0.129	101	103	74.0-124			2.35	20
1,3,5-Trimethylbenzene	0.125	0.129	0.133	103	106	73.0-127			3.05	20
Vinyl chloride	0.125	0.125	0.121	100	96.8	63.0-134			3.25	20
Xylenes, Total	0.375	0.408	0.402	109	107	72.0-127			1.48	20
(S) Toluene-d8				*98.4*	*99.9*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.7*	*99.5*	*70.0-130*				

Method Blank (MB)

(MB) R4075310-3 05/30/24 10:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4075310-3 05/30/24 10:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*110*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075310-1 05/30/24 09:12 • (LCSD) R4075310-2 05/30/24 09:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	13.2	13.3	52.8	53.2	19.0-160	J	J	0.755	27
Acrolein	25.0	22.2	23.2	88.8	92.8	10.0-160	J	J	4.41	26
Acrylonitrile	25.0	24.9	25.7	99.6	103	55.0-149			3.16	20
Benzene	5.00	4.97	4.94	99.4	98.8	70.0-123			0.605	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075310-1 05/30/24 09:12 • (LCSD) R4075310-2 05/30/24 09:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.71	4.58	94.2	91.6	73.0-121			2.80	20
Bromodichloromethane	5.00	5.30	5.30	106	106	75.0-120			0.000	20
Bromoform	5.00	4.98	5.11	99.6	102	68.0-132			2.58	20
Bromomethane	5.00	3.14	3.46	62.8	69.2	10.0-160	J	J	9.70	25
n-Butylbenzene	5.00	4.44	4.66	88.8	93.2	73.0-125			4.84	20
sec-Butylbenzene	5.00	4.53	4.60	90.6	92.0	75.0-125			1.53	20
tert-Butylbenzene	5.00	5.01	4.96	100	99.2	76.0-124			1.00	20
Carbon tetrachloride	5.00	5.97	6.14	119	123	68.0-126			2.81	20
Chlorobenzene	5.00	4.81	4.75	96.2	95.0	80.0-121			1.26	20
Chlorodibromomethane	5.00	5.42	5.19	108	104	77.0-125			4.34	20
Chloroethane	5.00	4.65	4.48	93.0	89.6	47.0-150	J	J	3.72	20
Chloroform	5.00	5.24	5.66	105	113	73.0-120			7.71	20
Chloromethane	5.00	4.70	4.62	94.0	92.4	41.0-142			1.72	20
2-Chlorotoluene	5.00	4.61	4.68	92.2	93.6	76.0-123			1.51	20
4-Chlorotoluene	5.00	4.57	4.63	91.4	92.6	75.0-122			1.30	20
1,2-Dibromo-3-Chloropropane	5.00	4.35	4.41	87.0	88.2	58.0-134	J	J	1.37	20
1,2-Dibromoethane	5.00	5.09	4.98	102	99.6	80.0-122			2.18	20
Dibromomethane	5.00	5.06	5.01	101	100	80.0-120			0.993	20
1,2-Dichlorobenzene	5.00	4.90	5.22	98.0	104	79.0-121			6.32	20
1,3-Dichlorobenzene	5.00	4.75	4.72	95.0	94.4	79.0-120			0.634	20
1,4-Dichlorobenzene	5.00	4.85	4.87	97.0	97.4	79.0-120			0.412	20
Dichlorodifluoromethane	5.00	6.00	5.74	120	115	51.0-149			4.43	20
1,1-Dichloroethane	5.00	5.25	5.04	105	101	70.0-126			4.08	20
1,2-Dichloroethane	5.00	5.91	5.57	118	111	70.0-128			5.92	20
1,1-Dichloroethene	5.00	4.79	4.84	95.8	96.8	71.0-124			1.04	20
cis-1,2-Dichloroethene	5.00	4.99	5.00	99.8	100	73.0-120			0.200	20
trans-1,2-Dichloroethene	5.00	4.92	4.53	98.4	90.6	73.0-120			8.25	20
1,2-Dichloropropane	5.00	4.90	4.84	98.0	96.8	77.0-125			1.23	20
1,1-Dichloropropene	5.00	5.35	5.37	107	107	74.0-126			0.373	20
1,3-Dichloropropane	5.00	4.92	5.01	98.4	100	80.0-120			1.81	20
cis-1,3-Dichloropropene	5.00	4.96	5.11	99.2	102	80.0-123			2.98	20
trans-1,3-Dichloropropene	5.00	5.09	4.91	102	98.2	78.0-124			3.60	20
2,2-Dichloropropane	5.00	4.88	4.75	97.6	95.0	58.0-130			2.70	20
Di-isopropyl ether	5.00	5.27	5.16	105	103	58.0-138			2.11	20
Ethylbenzene	5.00	4.71	4.56	94.2	91.2	79.0-123			3.24	20
Hexachloro-1,3-butadiene	5.00	5.00	5.13	100	103	54.0-138			2.57	20
Isopropylbenzene	5.00	5.11	4.95	102	99.0	76.0-127			3.18	20
p-Isopropyltoluene	5.00	4.77	4.77	95.4	95.4	76.0-125			0.000	20
2-Butanone (MEK)	25.0	15.2	15.0	60.8	60.0	44.0-160			1.32	20
Methylene Chloride	5.00	4.62	4.77	92.4	95.4	67.0-120	J	J	3.19	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075310-1 05/30/24 09:12 • (LCSD) R4075310-2 05/30/24 09:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	26.2	26.4	105	106	68.0-142			0.760	20
Methyl tert-butyl ether	5.00	5.47	5.63	109	113	68.0-125			2.88	20
Naphthalene	5.00	4.00	3.98	80.0	79.6	54.0-135	J	J	0.501	20
n-Propylbenzene	5.00	4.63	4.60	92.6	92.0	77.0-124			0.650	20
Styrene	5.00	4.72	4.77	94.4	95.4	73.0-130			1.05	20
1,1,1,2-Tetrachloroethane	5.00	5.03	4.85	101	97.0	75.0-125			3.64	20
1,1,2,2-Tetrachloroethane	5.00	4.55	4.73	91.0	94.6	65.0-130			3.88	20
1,1,2-Trichlorotrifluoroethane	5.00	4.91	5.00	98.2	100	69.0-132			1.82	20
Tetrachloroethene	5.00	5.14	5.28	103	106	72.0-132			2.69	20
Toluene	5.00	4.70	4.48	94.0	89.6	79.0-120			4.79	20
1,2,3-Trichlorobenzene	5.00	5.08	4.99	102	99.8	50.0-138			1.79	20
1,2,4-Trichlorobenzene	5.00	4.59	4.71	91.8	94.2	57.0-137			2.58	20
1,1,1-Trichloroethane	5.00	6.01	5.78	120	116	73.0-124			3.90	20
1,1,2-Trichloroethane	5.00	4.81	4.84	96.2	96.8	80.0-120			0.622	20
Trichloroethene	5.00	5.12	5.12	102	102	78.0-124			0.000	20
Trichlorofluoromethane	5.00	6.17	5.94	123	119	59.0-147			3.80	20
1,2,3-Trichloropropane	5.00	4.92	4.86	98.4	97.2	73.0-130			1.23	20
1,2,4-Trimethylbenzene	5.00	4.64	4.65	92.8	93.0	76.0-121			0.215	20
1,2,3-Trimethylbenzene	5.00	4.83	4.77	96.6	95.4	77.0-120			1.25	20
1,3,5-Trimethylbenzene	5.00	4.83	4.67	96.6	93.4	76.0-122			3.37	20
Vinyl chloride	5.00	4.80	4.65	96.0	93.0	67.0-131			3.17	20
Xylenes, Total	15.0	14.4	13.8	96.0	92.0	79.0-123			4.26	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*108*	*109*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*118*	*115*	*70.0-130*				

L1739246-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739246-05 05/30/24 20:47 • (MS) R4075310-4 05/30/24 21:29 • (MSD) R4075310-5 05/30/24 21:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	250	U	124	126	49.6	50.4	10	10.0-160			1.60	35
Acrolein	250	U	135	126	54.0	50.4	10	10.0-160	J	J	6.90	39
Acrylonitrile	250	U	209	216	83.6	86.4	10	21.0-160			3.29	32
Benzene	50.0	U	32.8	42.5	65.6	85.0	10	17.0-158			25.8	27
Bromobenzene	50.0	1.45	39.9	46.2	76.9	89.5	10	30.0-149			14.6	28
Bromodichloromethane	50.0	U	28.8	34.3	57.6	68.6	10	31.0-150			17.4	27
Bromoform	50.0	U	23.8	25.5	47.6	51.0	10	29.0-150			6.90	29
Bromomethane	50.0	U	28.9	35.4	57.8	70.8	10	10.0-160			20.2	38

L1739246-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739246-05 05/30/24 20:47 • (MS) R4075310-4 05/30/24 21:29 • (MSD) R4075310-5 05/30/24 21:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	50.0	U	32.7	40.5	65.4	81.0	10	31.0-150			21.3	30
sec-Butylbenzene	50.0	U	31.2	39.4	62.4	78.8	10	33.0-155			23.2	29
tert-Butylbenzene	50.0	U	33.7	42.0	67.4	84.0	10	34.0-153			21.9	28
Carbon tetrachloride	50.0	U	12.6	18.8	25.2	37.6	10	23.0-159		J3	39.5	28
Chlorobenzene	50.0	U	34.5	40.7	69.0	81.4	10	33.0-152			16.5	27
Chlorodibromomethane	50.0	U	23.2	26.1	46.4	52.2	10	37.0-149			11.8	27
Chloroethane	50.0	U	28.5	38.7	57.0	77.4	10	10.0-160		J3	30.4	30
Chloroform	50.0	U	39.8	48.0	79.6	96.0	10	29.0-154			18.7	28
Chloromethane	50.0	U	25.4	32.0	50.8	64.0	10	10.0-160			23.0	29
2-Chlorotoluene	50.0	U	34.0	44.6	68.0	89.2	10	32.0-153			27.0	28
4-Chlorotoluene	50.0	U	37.5	43.8	75.0	87.6	10	32.0-150			15.5	28
1,2-Dibromo-3-Chloropropane	50.0	U	37.1	38.4	74.2	76.8	10	22.0-151	J	J	3.44	34
1,2-Dibromoethane	50.0	U	37.5	39.9	75.0	79.8	10	34.0-147			6.20	27
Dibromomethane	50.0	U	40.0	43.0	80.0	86.0	10	30.0-151			7.23	27
1,2-Dichlorobenzene	50.0	U	36.9	42.6	73.8	85.2	10	34.0-149			14.3	28
1,3-Dichlorobenzene	50.0	U	33.8	41.6	67.6	83.2	10	36.0-146			20.7	27
1,4-Dichlorobenzene	50.0	U	36.7	42.7	73.4	85.4	10	35.0-142			15.1	27
Dichlorodifluoromethane	50.0	U	33.8	48.4	67.6	96.8	10	10.0-160	J	J J3	35.5	29
1,1-Dichloroethane	50.0	U	36.5	44.7	73.0	89.4	10	25.0-158			20.2	27
1,2-Dichloroethane	50.0	U	37.9	43.1	75.8	86.2	10	29.0-151			12.8	27
1,1-Dichloroethene	50.0	5.88	42.8	53.0	73.8	94.2	10	11.0-160			21.3	29
cis-1,2-Dichloroethene	50.0	39.6	72.3	80.8	65.4	82.4	10	10.0-160			11.1	27
trans-1,2-Dichloroethene	50.0	U	30.9	38.6	61.8	77.2	10	17.0-153			22.2	27
1,2-Dichloropropane	50.0	U	39.4	46.7	78.8	93.4	10	30.0-156			17.0	27
1,1-Dichloropropene	50.0	U	35.2	44.5	70.4	89.0	10	25.0-158			23.3	27
1,3-Dichloropropane	50.0	U	39.0	42.6	78.0	85.2	10	38.0-147			8.82	27
cis-1,3-Dichloropropene	50.0	U	33.5	38.3	67.0	76.6	10	34.0-149			13.4	28
trans-1,3-Dichloropropene	50.0	U	32.4	36.3	64.8	72.6	10	32.0-149			11.4	28
2,2-Dichloropropane	50.0	U	24.9	30.6	49.8	61.2	10	24.0-152			20.5	29
Di-isopropyl ether	50.0	U	40.7	46.0	81.4	92.0	10	21.0-160			12.2	28
Ethylbenzene	50.0	U	31.9	39.4	63.8	78.8	10	30.0-155			21.0	27
Hexachloro-1,3-butadiene	50.0	U	13.9	20.7	27.8	41.4	10	20.0-154		J3	39.3	34
Isopropylbenzene	50.0	U	31.0	39.5	62.0	79.0	10	28.0-157			24.1	27
p-Isopropyltoluene	50.0	U	30.3	38.2	60.6	76.4	10	30.0-154			23.1	29
2-Butanone (MEK)	250	U	139	142	55.6	56.8	10	10.0-160			2.14	32
Methylene Chloride	50.0	U	33.6	38.9	67.2	77.8	10	23.0-144			14.6	28
4-Methyl-2-pentanone (MIBK)	250	U	237	240	94.8	96.0	10	29.0-160			1.26	29
Methyl tert-butyl ether	50.0	U	42.9	43.1	85.8	86.2	10	28.0-150			0.465	29
Naphthalene	50.0	U	15.1	19.4	30.2	38.8	10	12.0-156	J	J	24.9	35
n-Propylbenzene	50.0	U	34.6	43.1	69.2	86.2	10	31.0-154			21.9	28

L1739246-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739246-05 05/30/24 20:47 • (MS) R4075310-4 05/30/24 21:29 • (MSD) R4075310-5 05/30/24 21:49

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	50.0	U	35.0	42.2	70.0	84.4	10	33.0-155			18.7	28
1,1,1,2-Tetrachloroethane	50.0	U	31.2	35.9	62.4	71.8	10	36.0-151			14.0	29
1,1,2,2-Tetrachloroethane	50.0	U	45.6	47.5	91.2	95.0	10	33.0-150			4.08	28
1,1,2-Trichlorotrifluoroethane	50.0	16.1	42.7	61.2	53.2	90.2	10	23.0-160		J3	35.6	30
Tetrachloroethene	50.0	U	31.3	40.2	62.6	80.4	10	10.0-160			24.9	27
Toluene	50.0	U	32.2	39.2	64.4	78.4	10	26.0-154			19.6	28
1,2,3-Trichlorobenzene	50.0	U	3.93	5.25	7.86	10.5	10	17.0-150	J J6	J J6	28.8	36
1,2,4-Trichlorobenzene	50.0	U	18.2	21.3	36.4	42.6	10	24.0-150			15.7	33
1,1,1-Trichloroethane	50.0	U	34.3	45.3	68.6	90.6	10	23.0-160			27.6	28
1,1,2-Trichloroethane	50.0	U	40.0	41.6	80.0	83.2	10	35.0-147			3.92	27
Trichloroethene	50.0	115	138	148	46.0	66.0	10	10.0-160			6.99	25
Trichlorofluoromethane	50.0	U	34.7	47.4	69.4	94.8	10	17.0-160	J	J	30.9	31
1,2,3-Trichloropropane	50.0	U	45.9	47.7	91.8	95.4	10	34.0-151			3.85	29
1,2,4-Trimethylbenzene	50.0	U	33.3	40.5	66.6	81.0	10	26.0-154			19.5	27
1,2,3-Trimethylbenzene	50.0	U	34.4	40.8	68.8	81.6	10	32.0-149			17.0	28
1,3,5-Trimethylbenzene	50.0	U	33.8	43.5	67.6	87.0	10	28.0-153			25.1	27
Vinyl chloride	50.0	U	28.8	38.3	57.6	76.6	10	10.0-160		J3	28.3	27
Xylenes, Total	150	U	95.1	117	63.4	78.0	10	29.0-154			20.7	28
(S) Toluene-d8					*105*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*105*	*106*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*105*	*105*		*70.0-130*				

Method Blank (MB)

(MB) R4076211-3 06/01/24 01:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*61.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076211-1 06/01/24 00:34 • (LCSD) R4076211-2 06/01/24 00:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
C12-C22 Hydrocarbons	750	809	819	108	109	50.0-150			1.23	20
C22-C32 Hydrocarbons	750	684	688	91.2	91.7	50.0-150			0.583	20
(S) o-Terphenyl				*66.0*	*65.5*	*52.0-156*				

Method Blank (MB)

(MB) R4073924-1 05/24/24 15:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*82.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4073924-2 05/24/24 15:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	21.2	84.8	50.0-150	
C22-C32 Hydrocarbons	25.0	16.9	67.6	50.0-150	
(S) o-Terphenyl			*79.6*	*18.0-148*	

L1735386-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1735386-07 05/24/24 15:29 • (MS) R4073924-3 05/24/24 15:43 • (MSD) R4073924-4 05/24/24 15:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	28.1	U	23.5	23.0	83.6	82.0	1	50.0-150			1.93	20
C22-C32 Hydrocarbons	28.1	U	20.5	22.0	72.8	78.4	1	50.0-150			7.41	20
(S) o-Terphenyl					*74.0*	*72.5*		*18.0-148*				

Method Blank (MB)

(MB) R4075425-1 05/30/24 11:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*83.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4075425-2 05/30/24 11:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.2	76.8	50.0-150	
C22-C32 Hydrocarbons	25.0	17.0	68.0	50.0-150	
(S) o-Terphenyl			*63.7*	*18.0-148*	

L1739342-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-03 05/30/24 15:34 • (MS) R4075425-3 05/30/24 15:48 • (MSD) R4075425-4 05/30/24 16:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	26.9	1.04	20.2	18.1	71.2	63.2	1	50.0-150			10.9	20
C22-C32 Hydrocarbons	26.9	4.01	22.8	24.9	70.0	77.4	1	50.0-150			8.74	20
(S) o-Terphenyl					*55.0*	*46.5*		*18.0-148*				

Method Blank (MB)

(MB) R4075628-1 05/30/24 16:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*63.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4075628-2 05/30/24 16:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	16.7	66.8	50.0-150	
C22-C32 Hydrocarbons	25.0	15.1	60.4	50.0-150	
(S) o-Terphenyl			*57.7*	*18.0-148*	

L1739664-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739664-18 05/31/24 11:11 • (MS) R4075925-1 05/31/24 11:25 • (MSD) R4075925-2 05/31/24 11:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	23.9	54.8	73.8	96.2	66.9	141	40	50.0-150	J	J J3	26.3	20
C22-C32 Hydrocarbons	23.9	334	300	375	0.000	141	40	50.0-150	V	J3	22.5	20
(S) o-Terphenyl					*89.5*	*87.3*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract.

Method Blank (MB)

(MB) R4078216-1 06/06/24 13:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*92.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4078216-2 06/06/24 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	22.2	88.8	50.0-150	
C22-C32 Hydrocarbons	25.0	17.9	71.6	50.0-150	
(S) o-Terphenyl			*67.9*	*18.0-148*	

L1739342-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-28 06/06/24 19:28 • (MS) R4078216-3 06/06/24 19:42 • (MSD) R4078216-4 06/06/24 19:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.8	U	U	U	0.000	0.000	100	50.0-150	J6	J6	0.000	20
C22-C32 Hydrocarbons	24.8	1060	983	1000	0.000	0.000	100	50.0-150	V	V	2.16	20
(S) o-Terphenyl					*90.3*	*88.6*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4075548-1 05/30/24 14:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*84.5*			*10.0-135*
(S) Tetrachloro-m-xylene	*83.6*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4075548-3 05/30/24 14:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.129	77.2	36.0-141	
PCB 1260	0.167	0.126	75.4	37.0-145	
(S) Decachlorobiphenyl			*82.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*82.3*	*10.0-139*	

L1739342-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-01 05/30/24 15:01 • (MS) R4075548-4 05/30/24 15:10 • (MSD) R4075548-5 05/30/24 15:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.187	U	0.141	0.156	75.3	83.3	1	10.0-160			10.1	37
PCB 1260	0.187	U	0.151	0.151	80.9	80.9	1	10.0-160			0.000	38
(S) Decachlorobiphenyl					*74.3*	*79.5*		*10.0-135*				
(S) Tetrachloro-m-xylene					*78.7*	*82.4*		*10.0-139*				

Method Blank (MB)

(MB) R4075553-2 05/30/24 17:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4075553-2 05/30/24 17:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*67.4*			*12.0-120*
(S) Phenol-d5	*59.6*			*10.0-120*
(S) Nitrobenzene-d5	*49.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*39.6*			*10.0-127*
(S) p-Terphenyl-d14	*64.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075553-1 05/30/24 16:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.351	52.7	38.0-120	
Acenaphthylene	0.666	0.386	58.0	40.0-120	
Anthracene	0.666	0.415	62.3	42.0-120	
Benzidine	1.33	0.470	35.3	10.0-120	J
Benzo(a)anthracene	0.666	0.427	64.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.408	61.3	43.0-120	
Benzo(k)fluoranthene	0.666	0.422	63.4	44.0-120	
Benzo(g,h,i)perylene	0.666	0.405	60.8	43.0-120	
Benzo(a)pyrene	0.666	0.426	64.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.351	52.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.417	62.6	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075553-1 05/30/24 16:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.383	57.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.388	58.3	40.0-120	
2-Chloronaphthalene	0.666	0.375	56.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.371	55.7	40.0-120	
Chrysene	0.666	0.435	65.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.392	58.9	44.0-120	
1,2-Dichlorobenzene	0.666	0.388	58.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.372	55.9	30.0-120	
1,4-Dichlorobenzene	0.666	0.378	56.8	31.0-120	
3,3-Dichlorobenzidine	1.33	0.727	54.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.443	66.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.451	67.7	42.0-120	
Fluoranthene	0.666	0.395	59.3	44.0-120	
Fluorene	0.666	0.378	56.8	41.0-120	
Hexachlorobenzene	0.666	0.341	51.2	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.294	44.1	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.331	49.7	15.0-120	J
Hexachloroethane	0.666	0.379	56.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.380	57.1	45.0-120	
Isophorone	0.666	0.348	52.3	23.0-120	
Naphthalene	0.666	0.329	49.4	18.0-120	
Nitrobenzene	0.666	0.329	49.4	17.0-120	J
n-Nitrosodimethylamine	0.666	0.322	48.3	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.395	59.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.417	62.6	26.0-120	
Phenanthrene	0.666	0.407	61.1	42.0-120	
Benzylbutyl phthalate	0.666	0.472	70.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.476	71.5	41.0-120	
Di-n-butyl phthalate	0.666	0.423	63.5	43.0-120	
Diethyl phthalate	0.666	0.407	61.1	43.0-120	
Dimethyl phthalate	0.666	0.405	60.8	43.0-120	
Di-n-octyl phthalate	0.666	0.470	70.6	40.0-120	
Pyrene	0.666	0.425	63.8	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.322	48.3	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.351	52.7	28.0-120	
2-Chlorophenol	0.666	0.422	63.4	28.0-120	
2,4-Dichlorophenol	0.666	0.323	48.5	25.0-120	J
2,4-Dimethylphenol	0.666	0.401	60.2	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.540	81.1	16.0-120	
2,4-Dinitrophenol	0.666	0.398	59.8	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075553-1 05/30/24 16:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.399	59.9	20.0-120	
4-Nitrophenol	0.666	0.551	82.7	27.0-120	
Pentachlorophenol	0.666	0.401	60.2	29.0-120	
Phenol	0.666	0.413	62.0	28.0-120	
2,4,6-Trichlorophenol	0.666	0.378	56.8	37.0-120	
(S) 2-Fluorophenol			*66.8*	*12.0-120*	
(S) Phenol-d5			*60.1*	*10.0-120*	
(S) Nitrobenzene-d5			*43.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*54.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*45.9*	*10.0-127*	
(S) p-Terphenyl-d14			*61.3*	*10.0-120*	

L1739342-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-01 05/30/24 20:52 • (MS) R4075553-3 05/30/24 21:13 • (MSD) R4075553-4 05/30/24 21:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.756	U	0.356	0.355	47.1	47.2	1	18.0-120			0.324	32
Acenaphthylene	0.756	U	0.380	0.385	50.3	51.2	1	25.0-120			1.20	32
Anthracene	0.756	U	0.430	0.433	56.9	57.7	1	22.0-120			0.801	29
Benzidine	1.51	U	0.0970	0.0967	6.43	6.45	1	10.0-120	J J6	J J6	0.357	40
Benzo(a)anthracene	0.756	U	0.420	0.431	55.5	57.4	1	25.0-120			2.71	29
Benzo(b)fluoranthene	0.756	0.00722	0.387	0.409	50.3	53.5	1	19.0-122			5.50	31
Benzo(k)fluoranthene	0.756	U	0.385	0.402	50.9	53.5	1	23.0-120			4.39	30
Benzo(g,h,i)perylene	0.756	U	0.365	0.333	48.3	44.3	1	10.0-120			9.24	33
Benzo(a)pyrene	0.756	U	0.394	0.408	52.1	54.3	1	24.0-120			3.45	30
Bis(2-chlorethoxy)methane	0.756	U	0.300	0.285	39.6	37.9	1	10.0-120	J	J	5.13	34
Bis(2-chloroethyl)ether	0.756	U	0.701	0.589	92.7	78.4	1	10.0-120			17.3	40
2,2-Oxybis(1-Chloropropane)	0.756	U	0.326	0.303	43.1	40.3	1	10.0-120	J	J	7.33	40
4-Bromophenyl-phenylether	0.756	U	0.408	0.402	54.0	53.5	1	27.0-120			1.42	30
2-Chloronaphthalene	0.756	U	0.363	0.368	48.0	48.9	1	20.0-120			1.26	32
4-Chlorophenyl-phenylether	0.756	U	0.392	0.386	51.8	51.4	1	24.0-120			1.48	29
Chrysene	0.756	U	0.428	0.437	56.6	58.1	1	21.0-120			2.13	29
Dibenz(a,h)anthracene	0.756	U	0.384	0.375	50.8	49.8	1	10.0-120			2.43	32
1,2-Dichlorobenzene	0.756	U	0.311	0.279	41.2	37.1	1	10.0-120	J	J	10.9	38
1,3-Dichlorobenzene	0.756	U	0.302	0.262	39.9	34.8	1	10.0-120	J	J	14.3	40
1,4-Dichlorobenzene	0.756	U	0.300	0.264	39.6	35.1	1	10.0-120	J	J	12.7	39
3,3-Dichlorobenzidine	1.51	U	0.552	0.538	36.6	35.9	1	10.0-120			2.54	34
2,4-Dinitrotoluene	0.756	U	0.455	0.439	60.2	58.4	1	30.0-120			3.61	31

L1739342-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-01 05/30/24 20:52 • (MS) R4075553-3 05/30/24 21:13 • (MSD) R4075553-4 05/30/24 21:33

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.756	U	0.455	0.414	60.2	55.1	1	25.0-120			9.55	31
Fluoranthene	0.756	U	0.410	0.428	54.3	56.9	1	18.0-126			4.13	32
Fluorene	0.756	U	0.400	0.391	52.9	52.0	1	25.0-120			2.33	30
Hexachlorobenzene	0.756	U	0.343	0.325	45.4	43.3	1	27.0-120	J	J	5.52	28
Hexachloro-1,3-butadiene	0.756	U	0.256	0.237	33.8	31.6	1	10.0-120	J	J	7.48	38
Hexachlorocyclopentadiene	0.756	U	0.0572	0.0784	7.56	10.4	1	10.0-120	J J6	J	31.3	40
Hexachloroethane	0.756	U	0.259	0.250	34.3	33.3	1	10.0-120	J	J	3.62	40
Indeno(1,2,3-cd)pyrene	0.756	U	0.358	0.350	47.4	46.6	1	10.0-120			2.28	32
Isophorone	0.756	U	0.297	0.281	39.3	37.4	1	13.0-120	J	J	5.58	34
Naphthalene	0.756	U	0.286	0.275	37.8	36.7	1	10.0-120			3.70	35
Nitrobenzene	0.756	U	0.286	0.270	37.8	35.9	1	10.0-120	J	J	5.81	36
n-Nitrosodimethylamine	0.756	U	0.255	0.212	33.7	28.2	1	10.0-127	J	J	18.3	40
n-Nitrosodiphenylamine	0.756	U	0.398	0.423	52.6	56.3	1	17.0-120			6.18	29
n-Nitrosodi-n-propylamine	0.756	U	0.358	0.333	47.4	44.3	1	10.0-120	J	J	7.33	37
Phenanthrene	0.756	U	0.424	0.436	56.1	58.0	1	17.0-120			2.68	31
Benzylbutyl phthalate	0.756	U	0.494	0.508	65.4	67.6	1	23.0-120			2.76	30
Bis(2-ethylhexyl)phthalate	0.756	U	0.488	0.473	64.5	62.9	1	17.0-126			3.12	30
Di-n-butyl phthalate	0.756	U	0.430	0.454	56.9	60.4	1	30.0-120			5.48	29
Diethyl phthalate	0.756	U	0.429	0.443	56.7	58.9	1	26.0-120			3.17	28
Dimethyl phthalate	0.756	U	0.394	0.350	52.1	46.6	1	25.0-120		J	11.8	29
Di-n-octyl phthalate	0.756	U	0.496	0.486	65.5	64.7	1	21.0-123			1.88	29
Pyrene	0.756	0.00816	0.430	0.441	55.8	57.7	1	16.0-121			2.65	32
1,2,4-Trichlorobenzene	0.756	U	0.280	0.273	37.0	36.3	1	12.0-120	J	J	2.50	37
4-Chloro-3-methylphenol	0.756	U	0.348	0.179	46.0	23.8	1	15.0-120	J	J J3	64.3	30
2-Chlorophenol	0.756	U	0.360	0.337	47.6	44.8	1	15.0-120	J	J	6.62	37
2,4-Dichlorophenol	0.756	U	0.280	0.273	37.0	36.3	1	20.0-120	J	J	2.50	31
2,4-Dimethylphenol	0.756	U	0.243	0.198	32.2	26.4	1	10.0-120	J	J	20.4	33
4,6-Dinitro-2-methylphenol	0.756	U	0.318	0.257	42.1	34.2	1	10.0-120	J	J	21.2	39
2,4-Dinitrophenol	0.756	U	0.297	0.192	39.3	25.6	1	10.0-121	J	J J3	42.8	40
2-Nitrophenol	0.756	U	0.349	0.345	46.2	45.9	1	12.0-120	J	J	1.33	39
4-Nitrophenol	0.756	U	0.619	0.612	81.9	81.4	1	10.0-137			1.12	32
Pentachlorophenol	0.756	U	0.420	0.452	55.5	60.1	1	10.0-160			7.41	31
Phenol	0.756	U	0.0522	U	6.91	0.000	1	12.0-120	J J6	J3 J6	200	38
2,4,6-Trichlorophenol	0.756	U	0.370	0.386	48.9	51.4	1	19.0-120	J		4.27	32
(S) 2-Fluorophenol					*48.6*	*45.9*		*12.0-120*				
(S) Phenol-d5					*5.98*	*0.802*		*10.0-120*	J2	J2		
(S) Nitrobenzene-d5					*34.5*	*33.1*		*10.0-122*				
(S) 2-Fluorobiphenyl					*45.1*	*48.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*44.7*	*44.9*		*10.0-127*				

L1739342-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-01 05/30/24 20:52 • (MS) R4075553-3 05/30/24 21:13 • (MSD) R4075553-4 05/30/24 21:33

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*56.1*	*54.3*		*10.0-120*				

Method Blank (MB)

(MB) R4075976-2 05/31/24 19:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4075976-2 05/31/24 19:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*78.5*			*12.0-120*
(S) Phenol-d5	*73.4*			*10.0-120*
(S) Nitrobenzene-d5	*59.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*71.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*67.0*			*10.0-127*
(S) p-Terphenyl-d14	*80.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.461	69.2	38.0-120	
Acenaphthylene	0.666	0.515	77.3	40.0-120	
Anthracene	0.666	0.524	78.7	42.0-120	
Benzidine	1.33	0.404	30.4	10.0-120	J
Benzo(a)anthracene	0.666	0.549	82.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.490	73.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.483	72.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.561	84.2	43.0-120	
Benzo(a)pyrene	0.666	0.521	78.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.350	52.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.366	55.0	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.421	63.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.548	82.3	40.0-120	
2-Chloronaphthalene	0.666	0.441	66.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.510	76.6	40.0-120	
Chrysene	0.666	0.506	76.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.601	90.2	44.0-120	
1,2-Dichlorobenzene	0.666	0.425	63.8	32.0-120	
1,3-Dichlorobenzene	0.666	0.426	64.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.456	68.5	31.0-120	
3,3-Dichlorobenzidine	1.33	1.01	75.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.539	80.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.538	80.8	42.0-120	
Fluoranthene	0.666	0.534	80.2	44.0-120	
Fluorene	0.666	0.480	72.1	41.0-120	
Hexachlorobenzene	0.666	0.505	75.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.362	54.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.411	61.7	15.0-120	
Hexachloroethane	0.666	0.413	62.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.636	95.5	45.0-120	
Isophorone	0.666	0.357	53.6	23.0-120	
Naphthalene	0.666	0.371	55.7	18.0-120	
Nitrobenzene	0.666	0.329	49.4	17.0-120	J
n-Nitrosodimethylamine	0.666	0.309	46.4	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.479	71.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.418	62.8	26.0-120	
Phenanthrene	0.666	0.493	74.0	42.0-120	
Benzylbutyl phthalate	0.666	0.540	81.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.553	83.0	41.0-120	
Di-n-butyl phthalate	0.666	0.496	74.5	43.0-120	
Diethyl phthalate	0.666	0.521	78.2	43.0-120	
Dimethyl phthalate	0.666	0.500	75.1	43.0-120	
Di-n-octyl phthalate	0.666	0.558	83.8	40.0-120	
Pyrene	0.666	0.516	77.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.381	57.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.410	61.6	28.0-120	
2-Chlorophenol	0.666	0.479	71.9	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.359	53.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.696	105	16.0-120	
2,4-Dinitrophenol	0.666	0.576	86.5	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.446	67.0	20.0-120	
4-Nitrophenol	0.666	0.543	81.5	27.0-120	
Pentachlorophenol	0.666	0.376	56.5	29.0-120	
Phenol	0.666	0.452	67.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.491	73.7	37.0-120	
(S) 2-Fluorophenol			*75.2*	*12.0-120*	
(S) Phenol-d5			*71.6*	*10.0-120*	
(S) Nitrobenzene-d5			*47.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*68.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*74.3*	*10.0-127*	
(S) p-Terphenyl-d14			*77.8*	*10.0-120*	

Method Blank (MB)

(MB) R4079327-2 06/06/24 22:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4079327-2 06/06/24 22:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*58.0*			*12.0-120*
(S) Phenol-d5	*54.1*			*10.0-120*
(S) Nitrobenzene-d5	*43.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*52.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.0*			*10.0-127*
(S) p-Terphenyl-d14	*55.6*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079327-1 06/06/24 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.335	50.3	38.0-120	
Acenaphthylene	0.666	0.375	56.3	40.0-120	
Anthracene	0.666	0.373	56.0	42.0-120	
Benzidine	1.33	0.226	17.0	10.0-120	J
Benzo(a)anthracene	0.666	0.387	58.1	44.0-120	
Benzo(b)fluoranthene	0.666	0.353	53.0	43.0-120	
Benzo(k)fluoranthene	0.666	0.339	50.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.391	58.7	43.0-120	
Benzo(a)pyrene	0.666	0.373	56.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.271	40.7	20.0-120	J
Bis(2-chloroethyl)ether	0.666	0.332	49.8	16.0-120	J

Laboratory Control Sample (LCS)

(LCS) R4079327-1 06/06/24 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.313	47.0	23.0-120	J
4-Bromophenyl-phenylether	0.666	0.379	56.9	40.0-120	
2-Chloronaphthalene	0.666	0.330	49.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.370	55.6	40.0-120	
Chrysene	0.666	0.359	53.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.412	61.9	44.0-120	
1,2-Dichlorobenzene	0.666	0.313	47.0	32.0-120	J
1,3-Dichlorobenzene	0.666	0.313	47.0	30.0-120	J
1,4-Dichlorobenzene	0.666	0.340	51.1	31.0-120	
3,3-Dichlorobenzidine	1.33	0.648	48.7	28.0-120	
2,4-Dinitrotoluene	0.666	0.392	58.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.398	59.8	42.0-120	
Fluoranthene	0.666	0.375	56.3	44.0-120	
Fluorene	0.666	0.351	52.7	41.0-120	
Hexachlorobenzene	0.666	0.339	50.9	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.282	42.3	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.238	35.7	15.0-120	J
Hexachloroethane	0.666	0.315	47.3	17.0-120	J
Indeno(1,2,3-cd)pyrene	0.666	0.448	67.3	45.0-120	
Isophorone	0.666	0.281	42.2	23.0-120	J
Naphthalene	0.666	0.279	41.9	18.0-120	
Nitrobenzene	0.666	0.259	38.9	17.0-120	J
n-Nitrosodimethylamine	0.666	0.260	39.0	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.335	50.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.308	46.2	26.0-120	J
Phenanthrene	0.666	0.352	52.9	42.0-120	
Benzylbutyl phthalate	0.666	0.393	59.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.399	59.9	41.0-120	
Di-n-butyl phthalate	0.666	0.362	54.4	43.0-120	
Diethyl phthalate	0.666	0.401	60.2	43.0-120	
Dimethyl phthalate	0.666	0.368	55.3	43.0-120	
Di-n-octyl phthalate	0.666	0.409	61.4	40.0-120	
Pyrene	0.666	0.368	55.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.295	44.3	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.310	46.5	28.0-120	J
2-Chlorophenol	0.666	0.349	52.4	28.0-120	
2,4-Dichlorophenol	0.666	0.306	45.9	25.0-120	J
2,4-Dimethylphenol	0.666	0.282	42.3	15.0-120	J
4,6-Dinitro-2-methylphenol	0.666	0.445	66.8	16.0-120	
2,4-Dinitrophenol	0.666	0.336	50.5	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079327-1 06/06/24 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.338	50.8	20.0-120	
4-Nitrophenol	0.666	0.392	58.9	27.0-120	
Pentachlorophenol	0.666	0.275	41.3	29.0-120	J
Phenol	0.666	0.338	50.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.356	53.5	37.0-120	
(S) 2-Fluorophenol			*56.8*	*12.0-120*	
(S) Phenol-d5			*52.9*	*10.0-120*	
(S) Nitrobenzene-d5			*36.0*	*10.0-122*	
(S) 2-Fluorobiphenyl			*50.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*49.2*	*10.0-127*	
(S) p-Terphenyl-d14			*54.1*	*10.0-120*	

L1742067-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742067-01 06/07/24 00:05 • (MS) R4079327-3 06/07/24 00:30 • (MSD) R4079327-4 06/07/24 00:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.755	U	0.324	0.299	42.9	39.5	1	18.0-120			8.06	32
Acenaphthylene	0.755	U	0.357	0.334	47.3	44.1	1	25.0-120			6.60	32
Anthracene	0.755	U	0.426	0.388	56.3	51.2	1	22.0-120			9.26	29
Benzidine	1.51	U	0.123	0.120	8.18	7.89	1	10.0-120	J J6	J J6	2.82	40
Benzo(a)anthracene	0.755	U	0.483	0.437	63.9	57.7	1	25.0-120			9.93	29
Benzo(b)fluoranthene	0.755	U	0.438	0.388	58.0	51.2	1	19.0-122			12.2	31
Benzo(k)fluoranthene	0.755	U	0.428	0.372	56.6	49.1	1	23.0-120			14.0	30
Benzo(g,h,i)perylene	0.755	U	0.493	0.434	65.3	57.2	1	10.0-120			12.8	33
Benzo(a)pyrene	0.755	U	0.463	0.411	61.3	54.2	1	24.0-120			12.0	30
Bis(2-chlorethoxy)methane	0.755	U	0.258	0.246	34.1	32.5	1	10.0-120	J	J	4.52	34
Bis(2-chloroethyl)ether	0.755	U	0.370	0.306	48.9	40.4	1	10.0-120	J	J	18.9	40
2,2-Oxybis(1-Chloropropane)	0.755	U	0.280	0.261	37.0	34.5	1	10.0-120	J	J	6.75	40
4-Bromophenyl-phenylether	0.755	U	0.402	0.364	53.2	48.0	1	27.0-120		J	9.84	30
2-Chloronaphthalene	0.755	U	0.306	0.283	40.5	37.3	1	20.0-120			7.75	32
4-Chlorophenyl-phenylether	0.755	U	0.374	0.355	49.5	46.8	1	24.0-120	J	J	5.32	29
Chrysene	0.755	U	0.448	0.401	59.4	52.9	1	21.0-120			11.3	29
Dibenz(a,h)anthracene	0.755	U	0.519	0.453	68.7	59.8	1	10.0-120			13.6	32
1,2-Dichlorobenzene	0.755	U	0.274	0.262	36.3	34.6	1	10.0-120	J	J	4.26	38
1,3-Dichlorobenzene	0.755	U	0.267	0.261	35.3	34.5	1	10.0-120	J	J	2.16	40
1,4-Dichlorobenzene	0.755	U	0.290	0.283	38.4	37.3	1	10.0-120	J	J	2.39	39
3,3-Dichlorobenzidine	1.51	U	0.887	0.807	58.9	53.2	1	10.0-120			9.43	34
2,4-Dinitrotoluene	0.755	U	0.438	0.389	58.0	51.4	1	30.0-120			11.9	31

L1742067-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742067-01 06/07/24 00:05 • (MS) R4079327-3 06/07/24 00:30 • (MSD) R4079327-4 06/07/24 00:54

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.755	U	0.398	0.370	52.7	48.8	1	25.0-120		J	7.43	31
Fluoranthene	0.755	U	0.461	0.410	61.0	54.1	1	18.0-126			11.8	32
Fluorene	0.755	U	0.355	0.333	47.0	44.0	1	25.0-120			6.30	30
Hexachlorobenzene	0.755	U	0.377	0.348	49.8	45.9	1	27.0-120	J	J	7.87	28
Hexachloro-1,3-butadiene	0.755	U	0.252	0.236	33.4	31.2	1	10.0-120	J	J	6.54	38
Hexachlorocyclopentadiene	0.755	U	0.177	0.151	23.4	19.9	1	10.0-120	J	J	16.0	40
Hexachloroethane	0.755	U	0.261	0.246	34.6	32.5	1	10.0-120	J	J	5.84	40
Indeno(1,2,3-cd)pyrene	0.755	U	0.556	0.490	73.6	64.6	1	10.0-120			12.7	32
Isophorone	0.755	U	0.275	0.253	36.4	33.4	1	13.0-120	J	J	8.21	34
Naphthalene	0.755	U	0.259	0.246	34.3	32.5	1	10.0-120			4.97	35
Nitrobenzene	0.755	U	0.240	0.231	31.7	30.4	1	10.0-120	J	J	3.88	36
n-Nitrosodimethylamine	0.755	U	0.261	0.250	34.6	33.0	1	10.0-127	J	J	4.46	40
n-Nitrosodiphenylamine	0.755	U	0.371	0.347	49.1	45.8	1	17.0-120	J	J	6.68	29
n-Nitrosodi-n-propylamine	0.755	U	0.290	0.270	38.4	35.7	1	10.0-120	J	J	6.92	37
Phenanthrene	0.755	U	0.399	0.369	52.9	48.6	1	17.0-120			8.02	31
Benzylbutyl phthalate	0.755	U	0.512	0.455	67.8	60.1	1	23.0-120			11.8	30
Bis(2-ethylhexyl)phthalate	0.755	U	0.508	0.456	67.2	60.2	1	17.0-126			10.7	30
Di-n-butyl phthalate	0.755	U	0.453	0.401	60.0	52.9	1	30.0-120			12.3	29
Diethyl phthalate	0.755	U	0.450	0.418	59.5	55.1	1	26.0-120			7.37	28
Dimethyl phthalate	0.755	U	0.382	0.366	50.6	48.3	1	25.0-120		J	4.27	29
Di-n-octyl phthalate	0.755	U	0.524	0.470	69.3	62.0	1	21.0-123			10.8	29
Pyrene	0.755	U	0.455	0.410	60.3	54.1	1	16.0-121			10.6	32
1,2,4-Trichlorobenzene	0.755	U	0.268	0.260	35.5	34.3	1	12.0-120	J	J	3.02	37
4-Chloro-3-methylphenol	0.755	U	0.313	0.292	41.4	38.6	1	15.0-120	J	J	6.79	30
2-Chlorophenol	0.755	U	0.332	0.302	44.0	39.9	1	15.0-120	J	J	9.35	37
2,4-Dichlorophenol	0.755	U	0.302	0.282	40.0	37.2	1	20.0-120	J	J	7.03	31
2,4-Dimethylphenol	0.755	U	0.264	0.249	34.9	32.8	1	10.0-120	J	J	5.79	33
4,6-Dinitro-2-methylphenol	0.755	U	0.522	0.455	69.0	60.1	1	10.0-120			13.6	39
2,4-Dinitrophenol	0.755	U	0.452	0.381	59.8	50.3	1	10.0-121			17.0	40
2-Nitrophenol	0.755	U	0.302	0.290	40.0	38.3	1	12.0-120	J	J	4.24	39
4-Nitrophenol	0.755	U	0.512	0.440	67.8	58.1	1	10.0-137			15.1	32
Pentachlorophenol	0.755	U	0.401	0.356	53.0	47.0	1	10.0-160		J	11.8	31
Phenol	0.755	U	0.178	0.202	23.6	26.7	1	12.0-120	J	J	12.6	38
2,4,6-Trichlorophenol	0.755	U	0.350	0.333	46.4	44.0	1	19.0-120	J	J	5.01	32
(S) 2-Fluorophenol					*48.0*	*44.0*		*12.0-120*				
(S) Phenol-d5					*23.0*	*26.7*		*10.0-120*				
(S) Nitrobenzene-d5					*30.2*	*27.8*		*10.0-122*				
(S) 2-Fluorobiphenyl					*41.1*	*38.9*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*52.7*	*47.0*		*10.0-127*				

L1742067-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742067-01 06/07/24 00:05 • (MS) R4079327-3 06/07/24 00:30 • (MSD) R4079327-4 06/07/24 00:54

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*59.2*	*54.2*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8	Sample(s) received past/too close to holding time expiration.

GLOSSARY OF TERMS

Qualifier	Description
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA.

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project #
1793.00305000

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo & A. Vonk

Site/Facility ID #
AB&I

P.O. #
—

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres (PCBs)	V8270 4ozClr-NoPres (SVOCs)	8260 40mlAmb/MeOH10ml/Syr (VOCs)	H0v0				
G/uc-B1-1-1.0	Grab	SS	1	05/14/24	0815	2	~~X~~	~~X~~	X	X	X		X				-01
G/uc-B1-1-2.0		SS	2		0825	3			X		X	X	X				-02
G/uc-B1-1-3.0		SS	3		0835	3	X	X	X			X	X				-03
G/uc-B1-1-4.0		SS	4		0845	2							X				-04
G/uc-B1-1-5.0		SS	5		0855	3	X	X			X		X				-05
G/uc-B1-1-8.0		SS	8		0905	3							X				-06
G/uc-B1-1-10.0		SS	10		0915	3				(X)	X		X				-07
G-B2-1-1.0		SS	1		0945	2			X	X	X		X				-08
G-B2-1-2.0		SS	2		0955	3	~~X~~	~~X~~	X	X	X	X	X				-09
G-B2-1-3.0	✓	SS	3	✓	1005	3	X	X	X		X	X.	X				-10

Chain of Custody Page 1 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1739342

Table H092

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEx Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
	-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH TBR)	
	05/14/24	1520.	PONO		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.0 °C	Bottles Received: 42
	5.21.24	1630	SWA GAP60	0.3 +0.1=0.4	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/22/24	Time: 1200
			Easton Orgn		

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland CA.

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project #
1793.00305000

Lab Project #
ROUXOCA-CA

Collected by (print):
T. Aguayo & A. Vonk

Site/Facility ID #
AB&I

P.O. #
—

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
—

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH 10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres (PCBs)	V8270 4ozClr-NoPres (SVOCs)	8260 40mlAmb/MeOH 10ml/Syr (VOCs)	HOLD			Remarks	Sample # (lab only)
G-B2-1-4.0	Grab	SS	4	05/21/24	1015	3							X				-11
G-B2-1-5.0		SS	5		1025	3	X				X		X				-12
G-B3-1-1.0		SS	1		1432	4	~~X~~	X	X	X	X		X				-13
G-B3-1-2.0		SS	2		1438	4			X	X	X	X	X				-14
G-B3-1-3.0		SS	3		1440	4	X	X	X		X	X	X				-15
G-B3-1-4.0		SS	4		1448	3							X				-16
G-B3-1-5.0		SS	5		1450	4	X	X				X	X				-17
GW-5-14.5	↓	SS	14.5	↓	1330	2	X	X				X					-18
~~[illegible]~~		~~SS~~					~~X~~	~~X~~	~~X~~			~~X~~	~~X~~				
TB-01-052124	Grab	SS	—	05/21/24	1200	1	X	X	X			X					-19

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	05/21/24	1520	POND
	5.21.24	1630	SWA CARGO

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Received for lab by: (Signature)
Easton Orgn

Date: 5/22/24 Time: 1200

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N
RAD Screen <0.5 mR/hr: ✓Y ___N

Chain of Custody Page 2 of 5

Pace
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SDG # L1393412

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00305000

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Carlson + D. Bailey

Site/Facility ID # AB&I

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	6OCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD	Remarks	Sample # (lab only)
BS-C1-1-1.0	Grab	SS	1	5/21/24	830	3-4			X	X	X		X		-20
BS-C1-1-2.0		SS	2		835	3			X		X	X	X		-21
BS-C1-1-3.0		SS	3		841	3	X	X	X		X	X	X		-22
BS-C1-1-4.0		SS	4		852	3							X		-23
BS-C1-1-5.0		SS	5		858	3	X	X				X	X		-24
G/UC-C1-1-1.0		SS	1		935	2			X	X	X		X		-25
G/UC-C1-1-2.0		SS	2		950	4			X		X	X	X		-26
G/UC-C1-1-3.0		SS	3		951	4	X	X	X		X		X		-27
G/UC-C1-1-4.0		SS	4		1007	4	X	X				X	X		-28
G/UC-C1-1-5.0	↓	SS	5	↓	1008	4	X	X				X	X		-29

Chain of Custody Page 3 of 5

Pace
PEOPLE ADVANCING SCIENCE

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12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1739742

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/21/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5.21.24	16:30	SWA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			Evelyn Organ	5/22/24	1201		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland CA.

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # ABGI

Site/Facility ID # 1793.0030

Lab Project # **ROUXOCA-CA**

P.O. # 0001 —

Collected by (print): J. Carlson & D. Bailey

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

Chain of Custody Page 4 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1736742

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD			Remarks	Sample # (lab only)
G/UC-C1-1-8.0	Grab	SS	8.0	05/21/24	1025	4	X						X				-30
G/UC-C1-1-10.0		SS	10.0		1027	4						X	X				-31
G-C2-1-1.0		SS	1.0		1118	4	~~X~~ JC	~~X~~ JC	X	X	X		X				-32
G-C2-1-2.0		SS	2.0		1130	4			X		X	X	X				-33
G-C2-1-3.0		SS	3.0		1145	4	X	X	X		X	X	X				-34
G-C2-1-4.0		SS	4.0		1155	4							X				-35
G-C2-1-5.0		SS	5.0		1205	4	X	X				X	X				-36
G-C3-1-1.0		SS	1.0		1310	3			X	X	X		X				-37
G-C3-1-2.0		SS	2.0		1317	4			X		X	X	X				-38
G-C3-1-3.0	↓	SS	3.0	↓	1321	4	X	X	X		X	X	X				-39

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature) ATV	05/21/24	1520	Received by: (Signature) PONO	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	5.21.24	16:20	Received by: (Signature) SWA CARGO	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Orgn	Date: 5/22/24 Time: 0900 1200

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00305000

Lab Project # **ROUXOCA-CA**

Collected by (print): D. Bailey & J. Carlson

Site/Facility ID # AB-A1

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260CAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD	Remarks	Sample # (lab only)
G-C3-1-4.0	Grab	SS	4	5/21/24	1323	3-4	X						X		-40
G-C3-1-5.0	Grab	SS	5	5/21/24	1333	3-4	X	X				X			-41
TB-2-052124	—	~~SS~~ water	—	5/21/24	—	2						X			-42
EB-052124	Grab	~~SS~~ water	—	5/21/24	1507	3-4	X	X	X			X			-43
		SS													
		SS													
		SS													
		SS													
		SS													
		SS													

Chain of Custody Page 5 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1799342

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	5/21/24	1520	PONP	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	5.21.24	16:30	SWA CARGO	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Easton Orgn	5/22/24 1200

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

05/23/24-NCF-L1739342-ROUXOCA R2/R3/R4/RX/EX

Time estimate: oh **Time spent:** oh **Grouping date:** 23 May 2024

Members

DP Devin Piedimonte (responsible) Jennifer Gambill

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [ ] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Devin Piedimonte *23 May 2024 4:23 PM*

For -19 "TB-01-052124" It asks for Dro, Gro, Metals and V8260 but is one vial and looks to be a trip blank. Is that correct?

Jennifer Gambill *23 May 2024 5:51 PM*

Please analyze the TB sample for V8260 only.

Devin Piedimonte *23 May 2024 5:55 PM*

Thank you for your time and help. Completed!

ROUXOCA / L1739342 / Samples off Hold

R0/R1

Per client request, please take the following samples / analyses off of hold as requested:

Lab ID Sample ID

L1739342-03 G/UC-B1-1-3.0 - SV8270
L1739342-04 G/UC-B1-1-4.0 - V8260, Extract and hold SV8270
L1739342-05 G/UC-B1-1-5.0 - V8260
L1739342-06 G/UC-B1-1-8.0 - V8260
L1739342-07 G/UC-B1-1-10.0 - V8260
L1739342-12 G-B2-1-5.0 - V8260
L1739342-16 G-B3-1-4.0 - V8260
L1739342-25 G/UC-C1-1-1.0 - GROCA, Extract and Hold DROCAER
L1739342-26 G/UC-C1-1-2.0 - GROCA, DROCAER
L1739342-28 G/UC-C1-1-4.0 - GROCA, DROCAER
L1739342-32 G-C2-1-1.0 - GROCA, Extract and Hold DROCAER
L1739342-33 G-C2-1-2.0 - GROCA, DROCAER
L1739342-35 G-C2-1-4.0 - GROCA, DROCAER
L1739342-37 G-C3-1-1.0 - GROCA, Extract and Hold DROCAER
L1739342-38 G-C3-1-2.0 - GROCA, DROCAER
L1739342-40 G-C3-1-4.0 - GROCA, DROCAER

Time estimate: oh **Time spent:** oh

Members


Jennifer Gambill

ANALYTICAL REPORT

October 01, 2024

Revised Report

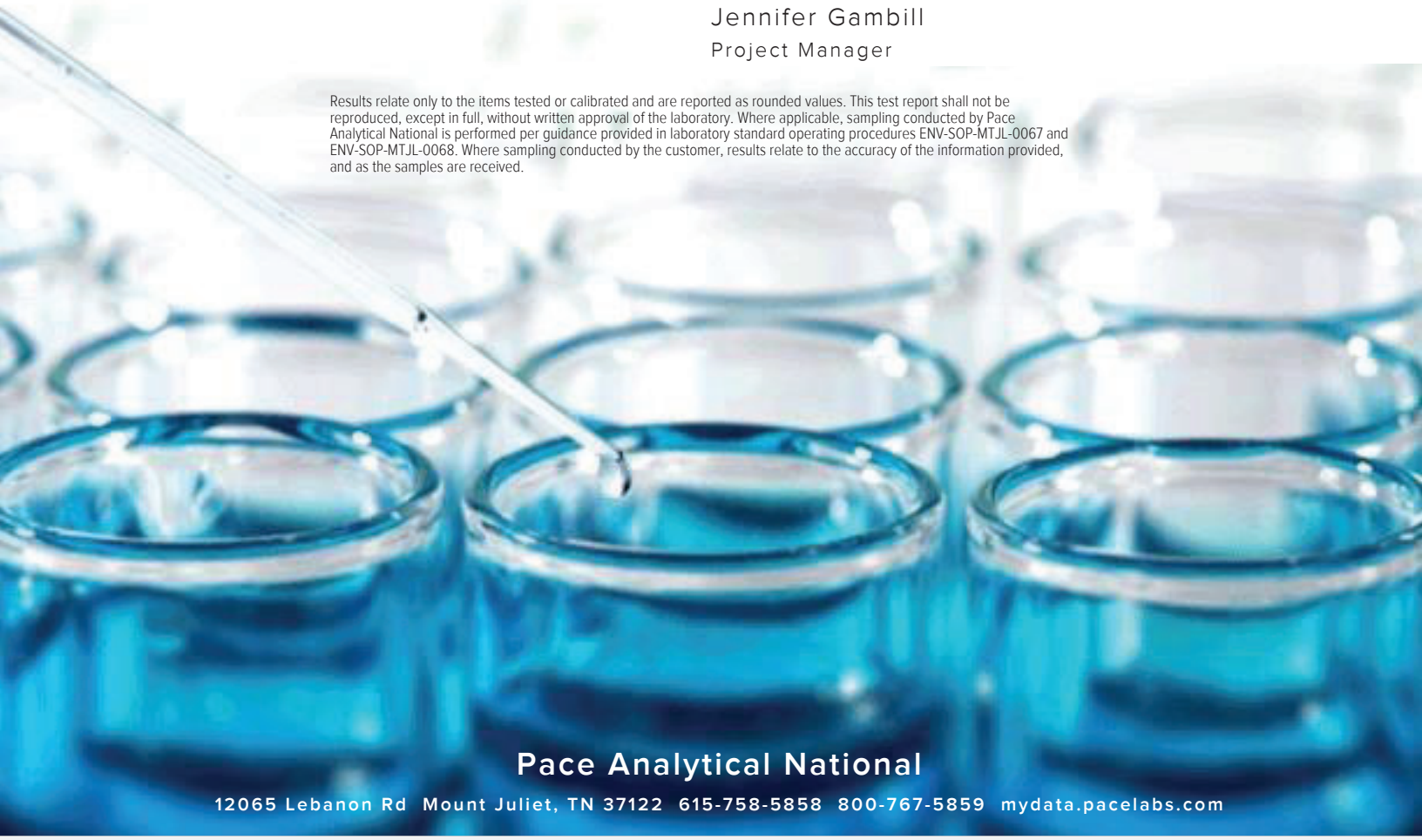
Roux - Oakland, CA

Sample Delivery Group:	L1739664
Samples Received:	05/23/2024
Project Number:	1793.0030500
Description:	
Site:	AB&1
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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BS-E1-1-1.0 L1739664-01 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:05 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:07	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:34	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294622	1	05/29/24 11:45	05/30/24 22:50	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	05/31/24 21:58	JRM	Mt. Juliet, TN

BS-E1-1-2.0 L1739664-02 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:20 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:10	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:03	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 14:20	05/31/24 10:32	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	2	05/30/24 07:05	06/01/24 00:25	JRM	Mt. Juliet, TN

BS-E1-1-3.0 L1739664-03 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:30 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:12	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:08	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 14:30	05/28/24 12:16	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 14:30	05/31/24 10:51	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 19:04	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	1	05/30/24 07:05	05/31/24 21:09	JRM	Mt. Juliet, TN

BS-E1-1-4.0 L1739664-04 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:35 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2299600	1	06/06/24 09:45	06/06/24 09:58	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2299461	1	06/05/24 21:41	06/07/24 16:56	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299929	1	06/07/24 00:54	06/11/24 19:02	DJS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 15:11	DSH	Mt. Juliet, TN

BS-E1-1-5.0 L1739664-05 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:43 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293518	1	05/27/24 07:29	05/27/24 07:35	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 14:43	05/28/24 12:36	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 14:43	05/31/24 11:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	10	05/30/24 06:53	05/31/24 10:56	JAS	Mt. Juliet, TN

GW-1-13.5 L1739664-06 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 14:55 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2292768	1	05/24/24 14:58	05/24/24 15:10	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 14:55	05/28/24 12:55	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 14:55	05/31/24 11:30	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 18:51	JAS	Mt. Juliet, TN

G-E1-1-1.0 L1739664-07 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:05 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:15	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:10	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294622	1	05/29/24 11:45	05/30/24 23:01	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	05/31/24 22:47	JRM	Mt. Juliet, TN

G-E1-1-2.0 L1739664-08 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:14 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:22	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:11	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 10:14	05/31/24 11:49	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	06/02/24 10:59	ALM	Mt. Juliet, TN

G-E1-1-3.0 L1739664-09 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:18 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:24	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:13	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 10:18	05/28/24 13:15	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 10:18	05/31/24 12:08	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	20	05/30/24 06:53	05/30/24 20:26	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	05/31/24 22:23	JRM	Mt. Juliet, TN

G-E1-1-4.0 L1739664-10 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:25 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2299600	1	06/06/24 09:45	06/06/24 09:58	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299418	25.5	05/22/24 10:25	06/05/24 23:14	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	100	06/05/24 12:40	06/06/24 10:43	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	50	06/05/24 11:12	06/06/24 18:55	DSH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-E1-1-5.0 L1739664-11 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:32 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294584	25.5	05/22/24 10:32	05/29/24 01:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296712	2.22	05/22/24 10:32	06/01/24 10:58	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	200	05/30/24 06:53	05/31/24 10:42	JAS	Mt. Juliet, TN

GW-2-14 L1739664-12 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:55 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2292768	1	05/24/24 14:58	05/24/24 15:10	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294584	34.8	05/22/24 10:55	05/29/24 03:45	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296712	1	05/22/24 10:55	06/01/24 11:18	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	200	05/30/24 06:53	05/30/24 20:40	JAS	Mt. Juliet, TN

TB-052224 L1739664-13 GW

Collected by: JA/AV | Collected date/time: 05/22/24 12:00 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295186	1	05/30/24 01:11	05/30/24 01:11	JHH	Mt. Juliet, TN

EB-052224 L1739664-14 GW

Collected by: JA/AV | Collected date/time: 05/22/24 15:15 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2292614	1	05/26/24 16:06	05/27/24 15:18	AKB	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2295552	1	05/31/24 01:54	05/31/24 16:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293775	1	05/27/24 02:34	05/27/24 02:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295186	1	05/30/24 01:53	05/30/24 01:53	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294628	1	05/30/24 08:10	05/31/24 03:09	MAA	Mt. Juliet, TN

G/UC-C4-1-1.0 L1739664-16 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:17 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:27	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:14	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/04/24 10:33	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299418	25.8	05/22/24 08:17	06/05/24 23:34	ACG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2294622	1	05/29/24 11:45	05/30/24 23:11	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	1	05/30/24 07:05	05/31/24 20:19	DSH	Mt. Juliet, TN

G/UC-C4-1-2.0 L1739664-17 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:28 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:29	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 19:16	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/04/24 10:35	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	5	05/31/24 15:27	06/02/24 11:58	DJS	Mt. Juliet, TN

G/UC-C4-1-2.0 L1739664-17 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:28 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8015	WG2299418	25	05/22/24 08:28	06/05/24 23:53	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296712	1.17	05/22/24 08:28	06/01/24 11:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	1	06/05/24 12:40	06/06/24 03:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	1	05/30/24 07:05	05/31/24 20:44	JRM	Mt. Juliet, TN

G/UC-C4-1-3.0 L1739664-18 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:37 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293348	1	05/25/24 13:37	05/26/24 22:32	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/01/24 18:32	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2293711	1	05/31/24 15:27	06/04/24 10:36	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294990	25	05/22/24 08:37	05/29/24 19:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	40	05/30/24 06:53	05/31/24 11:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2295243	10	05/30/24 07:05	05/31/24 23:12	JRM	Mt. Juliet, TN

G/UC-C4-1-4.0 L1739664-19 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:40 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2299600	1	06/06/24 09:45	06/06/24 09:58	CMB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:07	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299418	25	05/22/24 08:40	06/06/24 00:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	100	06/05/24 12:40	06/06/24 10:29	JAS	Mt. Juliet, TN

G/UC-C4-1-5.0 L1739664-20 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:45 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 08:45	05/28/24 13:34	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 08:45	05/31/24 12:45	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 16:47	JAS	Mt. Juliet, TN

G/UC-C4-1-10.0 L1739664-22 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 08:58 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 08:58	05/31/24 13:04	JHH	Mt. Juliet, TN

P-10-18.5 L1739664-23 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 09:45 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293519	1	05/27/24 08:28	05/27/24 08:34	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 09:45	05/28/24 13:53	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294587	1	05/22/24 09:45	05/31/24 14:20	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 17:01	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GW-4-13.5 L1739664-24 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 10:58 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293520	1	05/27/24 08:36	05/27/24 08:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 10:58	05/28/24 14:13	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294590	1	05/22/24 10:58	05/29/24 04:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 17:15	JAS	Mt. Juliet, TN

GW-3-13.0 L1739664-25 Solid

Collected by: JA/AV | Collected date/time: 05/22/24 00:00 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293520	1	05/27/24 08:36	05/27/24 08:50	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294179	25	05/22/24 00:00	05/28/24 14:32	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2294590	1	05/22/24 00:00	05/29/24 04:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2295239	1	05/30/24 06:53	05/30/24 17:28	JAS	Mt. Juliet, TN

GW-5-1 L1739664-28 GW

Collected by: JA/AV | Collected date/time: 05/21/24 13:40 | Received date/time: 05/23/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293040	1	05/26/24 16:13	05/27/24 12:23	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293143	1	05/25/24 13:50	05/26/24 16:51	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2295517	1	05/31/24 06:31	05/31/24 12:12	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2295552	1	05/31/24 01:54	05/31/24 16:06	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296345	1	06/04/24 04:28	06/06/24 10:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2293775	1	05/27/24 04:52	05/27/24 04:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295186	1	05/30/24 02:13	05/30/24 02:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296326	1	05/31/24 16:43	06/02/24 09:50	DMG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/08/24 16:36
Level II Report - Version 2: 08/15/24 20:05

Project Narrative

The following report has been revised to include the MDL information.

TB-052224-2 (L1739664-15) was cancelled per client request.

added GeoTracker EDD

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1739664-28	GW-5-1	3511/8015

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
R4078036-6		6020
R4078036-9		6020

DETECTION SUMMARY

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-1.0	L1739664-01	Mercury	0.0591		0.0219	0.0487	1	05/26/2024 22:07	WG2293348
BS-E1-1-2.0	L1739664-02	Mercury	0.0699		0.0203	0.0452	1	05/26/2024 22:10	WG2293348
BS-E1-1-4.0	L1739664-04	Mercury	0.127		0.0211	0.0470	1	06/07/2024 16:56	WG2299461
G-E1-1-1.0	L1739664-07	Mercury	0.0920		0.0205	0.0456	1	05/26/2024 22:15	WG2293348
G-E1-1-2.0	L1739664-08	Mercury	0.287		0.0206	0.0457	1	05/26/2024 22:22	WG2293348
G-E1-1-3.0	L1739664-09	Mercury	0.119		0.0213	0.0474	1	05/26/2024 22:24	WG2293348
G/UC-C4-1-3.0	L1739664-18	Mercury	0.0240	J	0.0213	0.0474	1	05/26/2024 22:32	WG2293348

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-5-1	L1739664-28	Barium,Dissolved	74.8		0.736	5.00	1	05/31/2024 12:12	WG2295517
GW-5-1	L1739664-28	Cobalt,Dissolved	4.42	J	0.840	10.0	1	05/31/2024 12:12	WG2295517
GW-5-1	L1739664-28	Molybdenum,Dissolved	75.6		1.16	5.00	1	05/31/2024 12:12	WG2295517
GW-5-1	L1739664-28	Vanadium,Dissolved	5.80	J	4.99	20.0	1	05/31/2024 12:12	WG2295517

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-1.0	L1739664-01	Antimony	1.29	J	0.662	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Arsenic	5.71		0.630	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Barium	113		0.104	0.608	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Beryllium	0.312		0.0383	0.243	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Cadmium	0.263	J	0.0573	0.608	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Chromium	39.0		0.162	1.22	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Cobalt	19.4		0.0986	1.22	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Copper	24.2		0.487	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Lead	32.3		0.253	0.608	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Molybdenum	0.174	J	0.133	0.608	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Nickel	117		0.161	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Silver	3.31		0.154	1.22	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Thallium	0.647	J	0.479	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Vanadium	32.7		0.615	2.43	1	06/04/2024 23:34	WG2298458
BS-E1-1-1.0	L1739664-01	Zinc	76.8		1.01	6.08	1	06/04/2024 23:34	WG2298458
BS-E1-1-2.0	L1739664-02	Arsenic	2.77		0.585	2.26	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Barium	63.7		0.0962	0.564	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Beryllium	0.193	J	0.0356	0.226	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Cadmium	2.14		0.0532	0.564	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Chromium	23.3		0.150	1.13	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Cobalt	4.16		0.0916	1.13	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Copper	25.0		0.452	2.26	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Lead	490		0.235	0.564	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Molybdenum	1.69		0.123	0.564	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Nickel	22.2		0.149	2.26	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Silver	0.718	J	0.143	1.13	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Thallium	0.946	J	0.445	2.26	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Vanadium	14.1		0.571	2.26	1	06/01/2024 19:03	WG2293711
BS-E1-1-2.0	L1739664-02	Zinc	215		0.939	5.64	1	06/01/2024 19:03	WG2293711

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-3.0	L1739664-03	Antimony	1.61	J	0.738	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Arsenic	1.99	J	0.703	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Barium	52.7		0.116	0.678	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Beryllium	0.251	J	0.0427	0.271	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Cadmium	6.27		0.0639	0.678	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Chromium	20.8		0.180	1.36	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Cobalt	1.47	B	0.110	1.36	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Copper	45.6		0.543	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Lead	1470		0.282	0.678	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Molybdenum	3.93		0.148	0.678	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Nickel	12.6		0.179	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Silver	1.15	J	0.172	1.36	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Thallium	0.653	J	0.534	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Vanadium	4.46		0.686	2.71	1	06/01/2024 19:08	WG2293711
BS-E1-1-3.0	L1739664-03	Zinc	596		1.13	6.78	1	06/01/2024 19:08	WG2293711
BS-E1-1-4.0	L1739664-04	Antimony	8.35		0.639	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Arsenic	4.53		0.608	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Barium	85.5		0.100	0.587	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Beryllium	0.319		0.0370	0.235	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Cadmium	6.22		0.0553	0.587	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Chromium	46.4		0.156	1.17	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Cobalt	4.59		0.0952	1.17	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Copper	65.3		0.470	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Lead	1430		0.244	0.587	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Molybdenum	5.33		0.128	0.587	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Nickel	33.0		0.155	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Selenium	1.36	J	0.897	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Silver	0.987	J	0.149	1.17	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Vanadium	25.8		0.594	2.35	1	06/11/2024 19:02	WG2299929
BS-E1-1-4.0	L1739664-04	Zinc	586		0.977	5.87	1	06/11/2024 19:02	WG2299929
G-E1-1-1.0	L1739664-07	Arsenic	1.95	J	0.591	2.28	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Barium	62.2		0.0972	0.571	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Beryllium	0.0882	J	0.0359	0.228	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Cadmium	0.171	J	0.0537	0.571	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Chromium	9.50		0.152	1.14	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Cobalt	4.87		0.0926	1.14	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Copper	24.4		0.456	2.28	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Lead	120		0.237	0.571	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Molybdenum	0.127	J	0.124	0.571	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Nickel	13.7		0.151	2.28	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Silver	0.376	J	0.145	1.14	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Thallium	0.706	J	0.450	2.28	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Vanadium	14.8		0.577	2.28	1	06/01/2024 19:10	WG2293711
G-E1-1-1.0	L1739664-07	Zinc	53.8		0.949	5.71	1	06/01/2024 19:10	WG2293711

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E1-1-2.0	L1739664-08	Arsenic	13.4		0.592	2.29	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Barium	177		0.0973	0.571	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Beryllium	0.330		0.0360	0.229	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Cadmium	0.262	J	0.0538	0.571	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Chromium	29.3		0.152	1.14	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Cobalt	7.73		0.0927	1.14	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Copper	47.3		0.457	2.29	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Lead	83.5		0.238	0.571	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Molybdenum	0.212	J	0.125	0.571	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Nickel	38.1		0.151	2.29	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Silver	2.45		0.145	1.14	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Thallium	1.51	J	0.450	2.29	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Vanadium	30.5		0.578	2.29	1	06/01/2024 19:11	WG2293711
G-E1-1-2.0	L1739664-08	Zinc	143		0.951	5.71	1	06/01/2024 19:11	WG2293711
G-E1-1-3.0	L1739664-09	Arsenic	3.78		0.614	2.37	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Barium	183		0.101	0.593	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Beryllium	0.316		0.0373	0.237	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Cadmium	0.245	J	0.0558	0.593	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Chromium	40.2		0.158	1.19	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Cobalt	12.6		0.0961	1.19	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Copper	59.0		0.474	2.37	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Lead	98.2		0.247	0.593	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Molybdenum	0.148	J	0.129	0.593	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Nickel	73.3		0.156	2.37	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Silver	1.11	J	0.151	1.19	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Thallium	2.05	J	0.467	2.37	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Vanadium	44.7		0.600	2.37	1	06/01/2024 19:13	WG2293711
G-E1-1-3.0	L1739664-09	Zinc	127		0.986	5.93	1	06/01/2024 19:13	WG2293711
G/UC-C4-1-1.0	L1739664-16	Arsenic	2.95		0.594	2.29	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Barium	128		0.0976	0.573	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Beryllium	0.598		0.0361	0.229	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Cadmium	0.523	J	0.0540	0.573	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Chromium	66.3		0.152	1.15	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Cobalt	2.56		0.0929	1.15	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Copper	51.2		0.458	2.29	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Lead	124		0.238	0.573	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Molybdenum	5.18		0.125	0.573	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Nickel	23.3		0.151	2.29	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Silver	1.51		0.146	1.15	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Vanadium	12.6		0.580	2.29	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-1.0	L1739664-16	Zinc	118		0.954	5.73	1	06/01/2024 19:14	WG2293711
G/UC-C4-1-2.0	L1739664-17	Arsenic	2.67		0.599	2.31	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Barium	143		0.0986	0.579	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Beryllium	0.764		0.0365	0.231	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Cadmium	0.980		0.0545	0.579	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Chromium	81.7		0.154	1.16	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Cobalt	1.46		0.0938	1.16	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Copper	36.4		0.463	2.31	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Lead	269		1.20	2.89	5	06/02/2024 11:58	WG2293711
G/UC-C4-1-2.0	L1739664-17	Molybdenum	2.58		0.126	0.579	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Nickel	11.9		0.153	2.31	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Selenium	0.997	J	0.884	2.31	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Silver	1.20		0.147	1.16	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Vanadium	12.5		0.586	2.31	1	06/01/2024 19:16	WG2293711
G/UC-C4-1-2.0	L1739664-17	Zinc	183		0.963	5.79	1	06/01/2024 19:16	WG2293711

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-C4-1-3.0	L1739664-18	Arsenic	3.17		0.614	2.37	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Barium	70.4	O1	0.101	0.592	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Beryllium	0.379		0.0373	0.237	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Cadmium	1.24		0.0558	0.592	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Chromium	38.2	O1	0.158	1.18	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Cobalt	2.78	J6	0.0961	1.18	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Copper	52.9	J6 O1	0.474	2.37	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Lead	1030	J3 O1 V	0.246	0.592	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Molybdenum	3.95	J6	0.129	0.592	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Nickel	17.1	J6 O1	0.156	2.37	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Silver	1.18	J	0.150	1.18	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Vanadium	12.0		0.599	2.37	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-3.0	L1739664-18	Zinc	326	J5 O1	0.986	5.92	1	06/01/2024 18:32	WG2293711
G/UC-C4-1-4.0	L1739664-19	Lead	5290		0.236	0.568	1	07/01/2024 20:07	WG2315127

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-5-1	L1739664-28	Arsenic	2.24		0.180	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Arsenic,Dissolved	2.13		0.180	2.00	1	06/06/2024 10:28	WG2296345
GW-5-1	L1739664-28	Barium	215		0.381	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Beryllium	0.377	J	0.190	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Cadmium	0.318	J	0.150	1.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Chromium	17.8		1.24	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Copper	30.7		1.51	5.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Copper,Dissolved	5.65		1.51	5.00	1	06/06/2024 10:28	WG2296345
GW-5-1	L1739664-28	Cobalt	12.5		0.0596	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Lead	8.18		0.849	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Molybdenum	23.0		0.348	5.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Nickel	85.9		0.816	2.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Nickel,Dissolved	43.3		0.816	2.00	1	06/06/2024 10:28	WG2296345
GW-5-1	L1739664-28	Vanadium	24.4		0.664	5.00	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Zinc	49.2		3.02	25.0	1	05/31/2024 16:06	WG2295552
GW-5-1	L1739664-28	Zinc,Dissolved	3.44	J	3.02	25.0	1	06/06/2024 10:28	WG2296345

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052224	L1739664-14	TPHG C5 - C12	55.9	B J	30.4	100	1	05/27/2024 02:34	WG2293775
GW-5-1	L1739664-28	TPHG C5 - C12	110	B	30.4	100	1	05/27/2024 04:52	WG2293775

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-3.0	L1739664-03	TPHG C5 - C12	5.90	B	1.45	4.36	25	05/28/2024 12:16	WG2294179
BS-E1-1-5.0	L1739664-05	TPHG C5 - C12	2.53	B J	1.28	3.86	25	05/28/2024 12:36	WG2294179
GW-1-13.5	L1739664-06	TPHG C5 - C12	2.62	B J	1.16	3.50	25	05/28/2024 12:55	WG2294179
G-E1-1-3.0	L1739664-09	TPHG C5 - C12	1.53	B J	1.17	3.53	25	05/28/2024 13:15	WG2294179
G-E1-1-4.0	L1739664-10	TPHG C5 - C12	2.17	B J	0.958	2.88	25.5	06/05/2024 23:14	WG2299418
G-E1-1-5.0	L1739664-11	TPHG C5 - C12	1.35	B J	0.935	2.81	25.5	05/29/2024 01:38	WG2294584
GW-2-14	L1739664-12	TPHG C5 - C12	3.51	B J	1.37	4.10	34.8	05/29/2024 03:45	WG2294584
G/UC-C4-1-1.0	L1739664-16	TPHG C5 - C12	4.48	B	1.10	3.32	25.8	06/05/2024 23:34	WG2299418

DETECTION SUMMARY

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-C4-1-2.0	L1739664-17	TPHG C5 - C12	3.53	B	1.11	3.35	25	06/05/2024 23:53	WG2299418
G/UC-C4-1-3.0	L1739664-18	TPHG C5 - C12	5.55	B	1.15	3.46	25	05/29/2024 19:58	WG2294990
G/UC-C4-1-4.0	L1739664-19	TPHG C5 - C12	6.00	B T8	1.07	3.22	25	06/06/2024 00:12	WG2299418
G/UC-C4-1-5.0	L1739664-20	TPHG C5 - C12	2.01	B J	1.38	4.15	25	05/28/2024 13:34	WG2294179
P-10-18.5	L1739664-23	TPHG C5 - C12	1.31	B J	1.20	3.61	25	05/28/2024 13:53	WG2294179
GW-4-13.5	L1739664-24	TPHG C5 - C12	1.34	B J	1.34	4.03	25	05/28/2024 14:13	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TB-052224	L1739664-13	Acetone	18.3	J	11.3	50.0	1	05/30/2024 01:11	WG2295186
TB-052224	L1739664-13	Chloroform	0.202	J	0.111	5.00	1	05/30/2024 01:11	WG2295186
EB-052224	L1739664-14	Chloroform	0.135	J	0.111	5.00	1	05/30/2024 01:53	WG2295186
GW-5-1	L1739664-28	cis-1,2-Dichloroethene	0.492	J	0.126	1.00	1	05/30/2024 02:13	WG2295186
GW-5-1	L1739664-28	Methyl tert-butyl ether	0.916	J	0.101	1.00	1	05/30/2024 02:13	WG2295186
GW-5-1	L1739664-28	Trichloroethene	0.301	J	0.190	1.00	1	05/30/2024 02:13	WG2295186

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-2.0	L1739664-02	Benzene	0.00958		0.000592	0.00127	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,2-Dichlorobenzene	0.00171	J	0.000539	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,4-Dichlorobenzene	0.00256	J	0.000887	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Ethylbenzene	0.0114		0.000934	0.00317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Isopropylbenzene	0.00392		0.000539	0.00317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	p-Isopropyltoluene	0.0231		0.00323	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Methylene Chloride	0.0127	J	0.00842	0.0317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	4-Methyl-2-pentanone (MIBK)	0.0104	J	0.00289	0.0317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Naphthalene	0.0901		0.00619	0.0158	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	n-Propylbenzene	0.00805		0.00120	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Tetrachloroethene	0.00162	J	0.00114	0.00317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Toluene	0.0271		0.00165	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,1,1-Trichloroethane	0.00409		0.00117	0.00317	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,2,4-Trimethylbenzene	0.0440		0.00200	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,2,3-Trimethylbenzene	0.0341		0.00200	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	1,3,5-Trimethylbenzene	0.0184		0.00254	0.00634	1	05/31/2024 10:32	WG2294587
BS-E1-1-2.0	L1739664-02	Xylenes, Total	0.103		0.00112	0.00824	1	05/31/2024 10:32	WG2294587
BS-E1-1-3.0	L1739664-03	Benzene	0.0155		0.000819	0.00175	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	n-Butylbenzene	0.0103	J	0.00921	0.0219	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	1,2-Dichlorobenzene	0.00122	J	0.000746	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	1,4-Dichlorobenzene	0.00246	J	0.00123	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Ethylbenzene	0.0133		0.00129	0.00439	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Isopropylbenzene	0.00482		0.000746	0.00439	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	p-Isopropyltoluene	0.0261		0.00447	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Methylene Chloride	0.0162	J	0.0116	0.0439	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	4-Methyl-2-pentanone (MIBK)	0.00956	J	0.00400	0.0439	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Naphthalene	0.0956		0.00856	0.0219	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	n-Propylbenzene	0.00939		0.00167	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Tetrachloroethene	0.00237	J	0.00157	0.00439	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	Toluene	0.0393		0.00228	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	1,2,4-Trimethylbenzene	0.0479		0.00277	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	1,2,3-Trimethylbenzene	0.0365		0.00277	0.00877	1	05/31/2024 10:51	WG2294587
BS-E1-1-3.0	L1739664-03	1,3,5-Trimethylbenzene	0.0219		0.00351	0.00877	1	05/31/2024 10:51	WG2294587

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-3.0	L1739664-03	Xylenes, Total	0.117		0.00154	0.0114	1	05/31/2024 10:51	WG2294587
BS-E1-1-5.0	L1739664-05	Methylene Chloride	0.0171	J	0.00994	0.0374	1	05/31/2024 11:10	WG2294587
BS-E1-1-5.0	L1739664-05	Toluene	0.00198	J	0.00195	0.00749	1	05/31/2024 11:10	WG2294587
BS-E1-1-5.0	L1739664-05	Xylenes, Total	0.00539	J	0.00132	0.00973	1	05/31/2024 11:10	WG2294587
GW-1-13.5	L1739664-06	Methylene Chloride	0.0116	J	0.00933	0.0351	1	05/31/2024 11:30	WG2294587
G-E1-1-2.0	L1739664-08	Methylene Chloride	0.00952	J	0.00879	0.0331	1	05/31/2024 11:49	WG2294587
G-E1-1-2.0	L1739664-08	Xylenes, Total	0.00263	J	0.00116	0.00860	1	05/31/2024 11:49	WG2294587
G-E1-1-3.0	L1739664-09	Methylene Chloride	0.0116	J	0.00923	0.0348	1	05/31/2024 12:08	WG2294587
G-E1-1-3.0	L1739664-09	Naphthalene	0.0165	J	0.00679	0.0174	1	05/31/2024 12:08	WG2294587
G-E1-1-3.0	L1739664-09	1,2,4-Trimethylbenzene	0.00478	J	0.00220	0.00695	1	05/31/2024 12:08	WG2294587
G-E1-1-3.0	L1739664-09	1,2,3-Trimethylbenzene	0.00648	J	0.00220	0.00695	1	05/31/2024 12:08	WG2294587
G-E1-1-3.0	L1739664-09	Xylenes, Total	0.00442	J	0.00122	0.00904	1	05/31/2024 12:08	WG2294587
G-E1-1-5.0	L1739664-11	Acetone	0.156		0.0891	0.122	2.22	06/01/2024 10:58	WG2296712
G-E1-1-5.0	L1739664-11	Methylene Chloride	0.0191	J	0.0162	0.0610	2.22	06/01/2024 10:58	WG2296712
G-E1-1-5.0	L1739664-11	Toluene	0.00445	J	0.00318	0.0122	2.22	06/01/2024 10:58	WG2296712
G-E1-1-5.0	L1739664-11	Xylenes, Total	0.00433	J	0.00214	0.0158	2.22	06/01/2024 10:58	WG2296712
GW-2-14	L1739664-12	Methylene Chloride	0.00911	J	0.00815	0.0307	1	06/01/2024 11:18	WG2296712
GW-2-14	L1739664-12	Toluene	0.00222	J	0.00159	0.00613	1	06/01/2024 11:18	WG2296712
GW-2-14	L1739664-12	Xylenes, Total	0.00173	J	0.00108	0.00797	1	06/01/2024 11:18	WG2296712
G/UC-C4-1-2.0	L1739664-17	Benzene	0.0276		0.000705	0.00151	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	1,1-Dichloroethane	0.00128	J	0.000741	0.00378	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Ethylbenzene	0.0232		0.00111	0.00378	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Isopropylbenzene	0.0373		0.000642	0.00378	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	p-Isopropyltoluene	0.0254		0.00385	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Naphthalene	0.0737		0.00737	0.0189	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	n-Propylbenzene	0.00763		0.00143	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Tetrachloroethene	0.00491		0.00136	0.00378	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Toluene	0.0816		0.00196	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	1,2,4-Trimethylbenzene	0.0514	J4	0.00239	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	1,2,3-Trimethylbenzene	0.0275		0.00239	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	1,3,5-Trimethylbenzene	0.0196	J4	0.00302	0.00755	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-2.0	L1739664-17	Xylenes, Total	0.141		0.00133	0.00981	1.17	06/01/2024 11:38	WG2296712
G/UC-C4-1-5.0	L1739664-20	Benzene	0.00173		0.000791	0.00169	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	1,1-Dichloroethane	0.00859		0.000832	0.00423	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	cis-1,2-Dichloroethene	0.0159		0.00124	0.00423	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	trans-1,2-Dichloroethene	0.00195	J	0.00176	0.00847	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	Isopropylbenzene	0.0357		0.000720	0.00423	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	Methylene Chloride	0.0162	J	0.0112	0.0423	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	Trichloroethene	0.00644		0.000989	0.00169	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-5.0	L1739664-20	Xylenes, Total	0.00254	J	0.00149	0.0110	1	05/31/2024 12:45	WG2294587
G/UC-C4-1-10.0	L1739664-22	Trichloroethene	0.00149	J	0.000890	0.00152	1	05/31/2024 13:04	WG2294587
P-10-18.5	L1739664-23	Tetrachloroethene	0.00612		0.00129	0.00360	1	05/31/2024 14:20	WG2294587
P-10-18.5	L1739664-23	Trichloroethene	0.00307		0.000841	0.00144	1	05/31/2024 14:20	WG2294587
GW-3-13.0	L1739664-25	1,1-Dichloroethene	0.0274		0.000966	0.00399	1	05/29/2024 04:36	WG2294590

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052224	L1739664-14	C12-C22 Hydrocarbons	85.2	B J J4	33.0	100	1	05/31/2024 03:09	WG2294628
GW-5-1	L1739664-28	C12-C22 Hydrocarbons	467		33.0	100	1	06/02/2024 09:50	WG2296326
GW-5-1	L1739664-28	C22-C32 Hydrocarbons	610		33.0	100	1	06/02/2024 09:50	WG2296326
GW-5-1	L1739664-28	C32-C40 Hydrocarbons	268		33.0	100	1	06/02/2024 09:50	WG2296326

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-3.0	L1739664-03	C12-C22 Hydrocarbons	11.4		0.994	5.43	1	05/30/2024 19:04	WG2295239
BS-E1-1-3.0	L1739664-03	C22-C32 Hydrocarbons	24.4		1.80	5.43	1	05/30/2024 19:04	WG2295239
BS-E1-1-3.0	L1739664-03	C32-C40 Hydrocarbons	12.6		1.80	5.43	1	05/30/2024 19:04	WG2295239
BS-E1-1-5.0	L1739664-05	C22-C32 Hydrocarbons	82.5		16.6	49.8	10	05/31/2024 10:56	WG2295239
BS-E1-1-5.0	L1739664-05	C32-C40 Hydrocarbons	99.0		16.6	49.8	10	05/31/2024 10:56	WG2295239
GW-1-13.5	L1739664-06	C12-C22 Hydrocarbons	6.68		0.866	4.73	1	05/30/2024 18:51	WG2295239
GW-1-13.5	L1739664-06	C22-C32 Hydrocarbons	25.6		1.57	4.73	1	05/30/2024 18:51	WG2295239
GW-1-13.5	L1739664-06	C32-C40 Hydrocarbons	13.7		1.57	4.73	1	05/30/2024 18:51	WG2295239
G-E1-1-3.0	L1739664-09	C22-C32 Hydrocarbons	124		31.5	94.8	20	05/30/2024 20:26	WG2295239
G-E1-1-3.0	L1739664-09	C32-C40 Hydrocarbons	172		31.5	94.8	20	05/30/2024 20:26	WG2295239
G-E1-1-4.0	L1739664-10	C12-C22 Hydrocarbons	79.3	J	78.2	426	100	06/06/2024 10:43	WG2299427
G-E1-1-4.0	L1739664-10	C22-C32 Hydrocarbons	890		142	426	100	06/06/2024 10:43	WG2299427
G-E1-1-4.0	L1739664-10	C32-C40 Hydrocarbons	1430		142	426	100	06/06/2024 10:43	WG2299427
G-E1-1-5.0	L1739664-11	C22-C32 Hydrocarbons	859		280	842	200	05/31/2024 10:42	WG2295239
G-E1-1-5.0	L1739664-11	C32-C40 Hydrocarbons	1430		280	842	200	05/31/2024 10:42	WG2295239
GW-2-14	L1739664-12	C22-C32 Hydrocarbons	936		294	883	200	05/30/2024 20:40	WG2295239
GW-2-14	L1739664-12	C32-C40 Hydrocarbons	1490		294	883	200	05/30/2024 20:40	WG2295239
G/UC-C4-1-2.0	L1739664-17	C12-C22 Hydrocarbons	29.4		0.848	4.63	1	06/06/2024 03:16	WG2299427
G/UC-C4-1-2.0	L1739664-17	C22-C32 Hydrocarbons	65.5		1.54	4.63	1	06/06/2024 03:16	WG2299427
G/UC-C4-1-2.0	L1739664-17	C32-C40 Hydrocarbons	27.4		1.54	4.63	1	06/06/2024 03:16	WG2299427
G/UC-C4-1-3.0	L1739664-18	C12-C22 Hydrocarbons	54.8	J J3	34.7	190	40	05/31/2024 11:11	WG2295239
G/UC-C4-1-3.0	L1739664-18	C22-C32 Hydrocarbons	334	J3 V	63.0	190	40	05/31/2024 11:11	WG2295239
G/UC-C4-1-3.0	L1739664-18	C32-C40 Hydrocarbons	380		63.0	190	40	05/31/2024 11:11	WG2295239
G/UC-C4-1-4.0	L1739664-19	C12-C22 Hydrocarbons	130	J	83.3	455	100	06/06/2024 10:29	WG2299427
G/UC-C4-1-4.0	L1739664-19	C22-C32 Hydrocarbons	1080		151	455	100	06/06/2024 10:29	WG2299427
G/UC-C4-1-4.0	L1739664-19	C32-C40 Hydrocarbons	1310		151	455	100	06/06/2024 10:29	WG2299427

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-2.0	L1739664-02	Anthracene	0.0515	J	0.0134	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Benzo(a)anthracene	0.164		0.0132	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Benzo(b)fluoranthene	0.400		0.0140	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Benzo(k)fluoranthene	0.120		0.0133	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Benzo(g,h,i)perylene	0.135		0.0138	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Benzo(a)pyrene	0.270		0.0140	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Chrysene	0.215		0.0149	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Dibenz(a,h)anthracene	0.0412	J	0.0209	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Fluoranthene	0.169		0.0135	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Indeno(1,2,3-cd)pyrene	0.163		0.0212	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Naphthalene	0.0826		0.0189	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Phenanthrene	0.0984		0.0149	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Pyrene	0.165		0.0147	0.0752	2	06/01/2024 00:25	WG2295243
BS-E1-1-2.0	L1739664-02	Phenol	0.0365	J	0.0303	0.752	2	06/01/2024 00:25	WG2295243

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-E1-1-3.0	L1739664-03	Acenaphthene	0.0461		0.00731	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Anthracene	0.0263	J	0.00804	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Benzo(a)anthracene	0.0392	J	0.00796	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Benzo(b)fluoranthene	0.0985		0.00842	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Benzo(k)fluoranthene	0.0260	J	0.00803	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Benzo(g,h,i)perylene	0.0658		0.00826	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Benzo(a)pyrene	0.0669		0.00840	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Chrysene	0.0537		0.00898	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Dibenz(a,h)anthracene	0.0145	J	0.0125	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Fluoranthene	0.0514		0.00815	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Fluorene	0.0304	J	0.00735	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Indeno(1,2,3-cd)pyrene	0.0689		0.0128	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Naphthalene	0.0708		0.0113	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Phenanthrene	0.0628		0.00897	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-3.0	L1739664-03	Pyrene	0.0442	J	0.00879	0.0452	1	05/31/2024 21:09	WG2295243
BS-E1-1-4.0	L1739664-04	Acenaphthene	0.0130	J	0.00633	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Anthracene	0.0739		0.00696	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzo(a)anthracene	0.337		0.00689	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzo(b)fluoranthene	0.752		0.00729	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzo(k)fluoranthene	0.210		0.00695	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzo(g,h,i)perylene	0.361		0.00715	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzo(a)pyrene	0.513		0.00727	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Chrysene	0.364		0.00777	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Dibenz(a,h)anthracene	0.0964		0.0108	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Fluoranthene	0.395		0.00706	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Fluorene	0.0182	J	0.00636	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Indeno(1,2,3-cd)pyrene	0.425		0.0111	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Naphthalene	0.168		0.00982	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Phenanthrene	0.200		0.00776	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Benzylbutyl phthalate	0.0224	J	0.0122	0.391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Bis(2-ethylhexyl)phthalate	0.0815	J	0.0496	0.391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Pyrene	0.368		0.00761	0.0391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	2,4-Dimethylphenol	0.0301	J	0.0102	0.391	1	06/06/2024 15:11	WG2298678
BS-E1-1-4.0	L1739664-04	Phenol	0.0531	J	0.0157	0.391	1	06/06/2024 15:11	WG2298678
G-E1-1-1.0	L1739664-07	Benzo(a)anthracene	0.237	J	0.0670	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Benzo(b)fluoranthene	0.427		0.0709	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Benzo(k)fluoranthene	0.132	J	0.0676	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Benzo(g,h,i)perylene	0.213	J	0.0695	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Benzo(a)pyrene	0.301	J	0.0706	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Chrysene	0.314	J	0.0755	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Fluoranthene	0.229	J	0.0686	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Indeno(1,2,3-cd)pyrene	0.218	J	0.107	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Phenanthrene	0.0882	J	0.0754	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-1.0	L1739664-07	Pyrene	0.272	J	0.0739	0.380	10	05/31/2024 22:47	WG2295243
G-E1-1-2.0	L1739664-08	Benzo(a)anthracene	0.608		0.0671	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Benzo(b)fluoranthene	1.13		0.0710	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Benzo(k)fluoranthene	0.359	J	0.0676	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Benzo(g,h,i)perylene	0.481		0.0696	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Benzo(a)pyrene	0.704		0.0707	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Chrysene	0.961		0.0756	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Dibenz(a,h)anthracene	0.165	J	0.105	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Fluoranthene	0.604		0.0687	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Indeno(1,2,3-cd)pyrene	0.471		0.108	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Phenanthrene	0.199	J	0.0755	0.380	10	06/02/2024 10:59	WG2295243
G-E1-1-2.0	L1739664-08	Pyrene	0.684		0.0740	0.380	10	06/02/2024 10:59	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E1-1-3.0	L1739664-09	Anthracene	0.0823	J	0.0703	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Benzo(a)anthracene	1.36		0.0696	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Benzo(b)fluoranthene	2.39		0.0736	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Benzo(k)fluoranthene	0.738		0.0702	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Benzo(g,h,i)perylene	1.10		0.0722	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Benzo(a)pyrene	1.55		0.0734	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Chrysene	2.09		0.0785	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Dibenz(a,h)anthracene	0.380	J	0.109	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Fluoranthene	1.22		0.0712	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Indeno(1,2,3-cd)pyrene	1.27		0.112	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Naphthalene	0.0996	J	0.0991	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Phenanthrene	0.389	J	0.0783	0.395	10	05/31/2024 22:23	WG2295243
G-E1-1-3.0	L1739664-09	Pyrene	1.49		0.0768	0.395	10	05/31/2024 22:23	WG2295243
G/UC-C4-1-1.0	L1739664-16	Acenaphthene	0.0309	J	0.00618	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Anthracene	0.0287	J	0.00680	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Benzo(a)anthracene	0.342		0.00673	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Benzo(b)fluoranthene	0.834		0.00712	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Benzo(k)fluoranthene	0.228		0.00678	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Benzo(g,h,i)perylene	0.408		0.00698	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Benzo(a)pyrene	0.534		0.00709	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	2,2-Oxybis(1-Chloropropane)	0.0763	J	0.0165	0.382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Chrysene	0.393		0.00759	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Dibenz(a,h)anthracene	0.112		0.0106	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Fluoranthene	0.376		0.00689	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Fluorene	0.0227	J	0.00621	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Indeno(1,2,3-cd)pyrene	0.434		0.0108	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Naphthalene	0.176		0.00958	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Phenanthrene	0.127		0.00758	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Pyrene	0.392		0.00743	0.0382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-1.0	L1739664-16	Phenol	0.0376	J	0.0154	0.382	1	05/31/2024 20:19	WG2295243
G/UC-C4-1-2.0	L1739664-17	Acenaphthene	0.0274	J	0.00624	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Anthracene	0.0348	J	0.00686	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Benzo(a)anthracene	0.157		0.00679	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Benzo(b)fluoranthene	0.358		0.00719	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Benzo(k)fluoranthene	0.107		0.00685	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Benzo(g,h,i)perylene	0.200		0.00705	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Benzo(a)pyrene	0.250		0.00716	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Chrysene	0.174		0.00766	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Dibenz(a,h)anthracene	0.0467		0.0107	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Fluoranthene	0.190		0.00695	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Fluorene	0.0258	J	0.00627	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Indeno(1,2,3-cd)pyrene	0.218		0.0109	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Naphthalene	0.184		0.00967	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Phenanthrene	0.105		0.00765	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Pyrene	0.190		0.00750	0.0385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-2.0	L1739664-17	Phenol	0.0509	J	0.0155	0.385	1	05/31/2024 20:44	WG2295243
G/UC-C4-1-3.0	L1739664-18	Benzo(a)anthracene	0.0958	J	0.0695	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Benzo(b)fluoranthene	0.186	J	0.0736	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Benzo(g,h,i)perylene	0.0846	J	0.0721	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Benzo(a)pyrene	0.120	J	0.0733	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Chrysene	0.101	J	0.0784	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Fluoranthene	0.180	J	0.0712	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Naphthalene	0.520		0.0990	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Phenanthrene	0.193	J	0.0783	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Pyrene	0.169	J	0.0768	0.394	10	05/31/2024 23:12	WG2295243
G/UC-C4-1-3.0	L1739664-18	Phenol	0.993	J	0.159	3.94	10	05/31/2024 23:12	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0591		0.0219	0.0487	1	05/26/2024 22:07	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.29	J	0.662	2.43	1	06/04/2024 23:34	WG2298458
Arsenic	5.71		0.630	2.43	1	06/04/2024 23:34	WG2298458
Barium	113		0.104	0.608	1	06/04/2024 23:34	WG2298458
Beryllium	0.312		0.0383	0.243	1	06/04/2024 23:34	WG2298458
Cadmium	0.263	J	0.0573	0.608	1	06/04/2024 23:34	WG2298458
Chromium	39.0		0.162	1.22	1	06/04/2024 23:34	WG2298458
Cobalt	19.4		0.0986	1.22	1	06/04/2024 23:34	WG2298458
Copper	24.2		0.487	2.43	1	06/04/2024 23:34	WG2298458
Lead	32.3		0.253	0.608	1	06/04/2024 23:34	WG2298458
Molybdenum	0.174	J	0.133	0.608	1	06/04/2024 23:34	WG2298458
Nickel	117		0.161	2.43	1	06/04/2024 23:34	WG2298458
Selenium	U		0.929	2.43	1	06/04/2024 23:34	WG2298458
Silver	3.31		0.154	1.22	1	06/04/2024 23:34	WG2298458
Thallium	0.647	J	0.479	2.43	1	06/04/2024 23:34	WG2298458
Vanadium	32.7		0.615	2.43	1	06/04/2024 23:34	WG2298458
Zinc	76.8		1.01	6.08	1	06/04/2024 23:34	WG2298458

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0144	0.0414	1	05/30/2024 22:50	WG2294622
PCB 1221	U		0.0144	0.0414	1	05/30/2024 22:50	WG2294622
PCB 1232	U		0.0144	0.0414	1	05/30/2024 22:50	WG2294622
PCB 1242	U		0.0144	0.0414	1	05/30/2024 22:50	WG2294622
PCB 1248	U		0.00898	0.0207	1	05/30/2024 22:50	WG2294622
PCB 1254	U		0.00898	0.0207	1	05/30/2024 22:50	WG2294622
PCB 1260	U		0.00898	0.0207	1	05/30/2024 22:50	WG2294622
(S) Decachlorobiphenyl	*79.9*			*10.0-135*		*05/30/2024 22:50*	WG2294622
(S) Tetrachloro-m-xylene	*80.9*			*10.0-139*		*05/30/2024 22:50*	WG2294622

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0656	0.405	10	05/31/2024 21:58	WG2295243
Acenaphthylene	U		0.0570	0.405	10	05/31/2024 21:58	WG2295243
Anthracene	U		0.0721	0.405	10	05/31/2024 21:58	WG2295243
Benzidine	U		0.761	20.3	10	05/31/2024 21:58	WG2295243
Benzo(a)anthracene	U		0.0714	0.405	10	05/31/2024 21:58	WG2295243
Benzo(b)fluoranthene	U		0.0755	0.405	10	05/31/2024 21:58	WG2295243
Benzo(k)fluoranthene	U		0.0720	0.405	10	05/31/2024 21:58	WG2295243
Benzo(g,h,i)perylene	U		0.0741	0.405	10	05/31/2024 21:58	WG2295243
Benzo(a)pyrene	U		0.0753	0.405	10	05/31/2024 21:58	WG2295243
Bis(2-chlorethoxy)methane	U		0.122	4.05	10	05/31/2024 21:58	WG2295243
Bis(2-chloroethyl)ether	U		0.134	4.05	10	05/31/2024 21:58	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.175	4.05	10	05/31/2024 21:58	WG2295243
4-Bromophenyl-phenylether	U		0.142	4.05	10	05/31/2024 21:58	WG2295243
2-Chloronaphthalene	U		0.0712	0.405	10	05/31/2024 21:58	WG2295243
4-Chlorophenyl-phenylether	U		0.141	4.05	10	05/31/2024 21:58	WG2295243
Chrysene	U		0.0805	0.405	10	05/31/2024 21:58	WG2295243
Dibenz(a,h)anthracene	U		0.112	0.405	10	05/31/2024 21:58	WG2295243
1,2-Dichlorobenzene	U		0.120	4.05	10	05/31/2024 21:58	WG2295243
1,3-Dichlorobenzene	U		0.123	4.05	10	05/31/2024 21:58	WG2295243
1,4-Dichlorobenzene	U		0.121	4.05	10	05/31/2024 21:58	WG2295243
3,3-Dichlorobenzidine	U		0.150	4.05	10	05/31/2024 21:58	WG2295243
2,4-Dinitrotoluene	U		0.116	4.05	10	05/31/2024 21:58	WG2295243
2,6-Dinitrotoluene	U		0.133	4.05	10	05/31/2024 21:58	WG2295243
Fluoranthene	U		0.0731	0.405	10	05/31/2024 21:58	WG2295243
Fluorene	U		0.0659	0.405	10	05/31/2024 21:58	WG2295243
Hexachlorobenzene	U		0.144	4.05	10	05/31/2024 21:58	WG2295243
Hexachloro-1,3-butadiene	U		0.136	4.05	10	05/31/2024 21:58	WG2295243
Hexachlorocyclopentadiene	U		0.213	4.05	10	05/31/2024 21:58	WG2295243
Hexachloroethane	U		0.159	4.05	10	05/31/2024 21:58	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.114	0.405	10	05/31/2024 21:58	WG2295243
Isophorone	U		0.124	4.05	10	05/31/2024 21:58	WG2295243
Naphthalene	U		0.102	0.405	10	05/31/2024 21:58	WG2295243
Nitrobenzene	U		0.141	4.05	10	05/31/2024 21:58	WG2295243
n-Nitrosodimethylamine	U		0.601	4.05	10	05/31/2024 21:58	WG2295243
n-Nitrosodiphenylamine	U		0.307	4.05	10	05/31/2024 21:58	WG2295243
n-Nitrosodi-n-propylamine	U		0.135	4.05	10	05/31/2024 21:58	WG2295243
Phenanthrene	U		0.0804	0.405	10	05/31/2024 21:58	WG2295243
Benzylbutyl phthalate	U		0.127	4.05	10	05/31/2024 21:58	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.513	4.05	10	05/31/2024 21:58	WG2295243
Di-n-butyl phthalate	U		0.139	4.05	10	05/31/2024 21:58	WG2295243
Diethyl phthalate	U		0.134	4.05	10	05/31/2024 21:58	WG2295243
Dimethyl phthalate	U		0.859	4.05	10	05/31/2024 21:58	WG2295243
Di-n-octyl phthalate	U		0.274	4.05	10	05/31/2024 21:58	WG2295243
Pyrene	U		0.0788	0.405	10	05/31/2024 21:58	WG2295243
1,2,4-Trichlorobenzene	U		0.127	4.05	10	05/31/2024 21:58	WG2295243
4-Chloro-3-methylphenol	U		0.131	4.05	10	05/31/2024 21:58	WG2295243
2-Chlorophenol	U		0.134	4.05	10	05/31/2024 21:58	WG2295243
2,4-Dichlorophenol	U		0.118	4.05	10	05/31/2024 21:58	WG2295243
2,4-Dimethylphenol	U		0.106	4.05	10	05/31/2024 21:58	WG2295243
4,6-Dinitro-2-methylphenol	U		0.918	4.05	10	05/31/2024 21:58	WG2295243
2,4-Dinitrophenol	U		0.948	4.05	10	05/31/2024 21:58	WG2295243
2-Nitrophenol	U		0.145	4.05	10	05/31/2024 21:58	WG2295243
4-Nitrophenol	U		0.127	4.05	10	05/31/2024 21:58	WG2295243
Pentachlorophenol	U		0.109	4.05	10	05/31/2024 21:58	WG2295243
Phenol	U		0.163	4.05	10	05/31/2024 21:58	WG2295243
2,4,6-Trichlorophenol	U		0.130	4.05	10	05/31/2024 21:58	WG2295243
(S) 2-Fluorophenol	*78.9*			*12.0-120*		*05/31/2024 21:58*	WG2295243
(S) Phenol-d5	*74.8*			*10.0-120*		*05/31/2024 21:58*	WG2295243
(S) Nitrobenzene-d5	*62.8*			*10.0-122*		*05/31/2024 21:58*	WG2295243
(S) 2-Fluorobiphenyl	*74.3*			*15.0-120*		*05/31/2024 21:58*	WG2295243
(S) 2,4,6-Tribromophenol	*77.0*			*10.0-127*		*05/31/2024 21:58*	WG2295243
(S) p-Terphenyl-d14	*81.0*			*10.0-120*		*05/31/2024 21:58*	WG2295243

Sample Narrative:

L1739664-01 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0699		0.0203	0.0452	1	05/26/2024 22:10	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.614	2.26	1	06/01/2024 19:03	WG2293711
Arsenic	2.77		0.585	2.26	1	06/01/2024 19:03	WG2293711
Barium	63.7		0.0962	0.564	1	06/01/2024 19:03	WG2293711
Beryllium	0.193	J	0.0356	0.226	1	06/01/2024 19:03	WG2293711
Cadmium	2.14		0.0532	0.564	1	06/01/2024 19:03	WG2293711
Chromium	23.3		0.150	1.13	1	06/01/2024 19:03	WG2293711
Cobalt	4.16		0.0916	1.13	1	06/01/2024 19:03	WG2293711
Copper	25.0		0.452	2.26	1	06/01/2024 19:03	WG2293711
Lead	490		0.235	0.564	1	06/01/2024 19:03	WG2293711
Molybdenum	1.69		0.123	0.564	1	06/01/2024 19:03	WG2293711
Nickel	22.2		0.149	2.26	1	06/01/2024 19:03	WG2293711
Selenium	U		0.863	2.26	1	06/01/2024 19:03	WG2293711
Silver	0.718	J	0.143	1.13	1	06/01/2024 19:03	WG2293711
Thallium	0.946	J	0.445	2.26	1	06/01/2024 19:03	WG2293711
Vanadium	14.1		0.571	2.26	1	06/01/2024 19:03	WG2293711
Zinc	215		0.939	5.64	1	06/01/2024 19:03	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0463	0.0634	1	05/31/2024 10:32	WG2294587
Acrylonitrile	U		0.00458	0.0158	1	05/31/2024 10:32	WG2294587
Benzene	0.00958		0.000592	0.00127	1	05/31/2024 10:32	WG2294587
Bromobenzene	U		0.00114	0.0158	1	05/31/2024 10:32	WG2294587
Bromodichloromethane	U		0.000919	0.00317	1	05/31/2024 10:32	WG2294587
Bromoform	U		0.00148	0.0317	1	05/31/2024 10:32	WG2294587
Bromomethane	U	J3	0.00250	0.0158	1	05/31/2024 10:32	WG2294587
n-Butylbenzene	U		0.00666	0.0158	1	05/31/2024 10:32	WG2294587
sec-Butylbenzene	U		0.00365	0.0158	1	05/31/2024 10:32	WG2294587
tert-Butylbenzene	U		0.00247	0.00634	1	05/31/2024 10:32	WG2294587
Carbon tetrachloride	U		0.00114	0.00634	1	05/31/2024 10:32	WG2294587
Chlorobenzene	U		0.000266	0.00317	1	05/31/2024 10:32	WG2294587
Chlorodibromomethane	U		0.000776	0.00317	1	05/31/2024 10:32	WG2294587
Chloroethane	U		0.00216	0.00634	1	05/31/2024 10:32	WG2294587
Chloroform	U		0.00131	0.00317	1	05/31/2024 10:32	WG2294587
Chloromethane	U		0.00551	0.0158	1	05/31/2024 10:32	WG2294587
2-Chlorotoluene	U		0.00110	0.00317	1	05/31/2024 10:32	WG2294587
4-Chlorotoluene	U		0.000570	0.00634	1	05/31/2024 10:32	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00494	0.0317	1	05/31/2024 10:32	WG2294587
1,2-Dibromoethane	U		0.000822	0.00317	1	05/31/2024 10:32	WG2294587
Dibromomethane	U		0.000951	0.00634	1	05/31/2024 10:32	WG2294587
1,2-Dichlorobenzene	0.00171	J	0.000539	0.00634	1	05/31/2024 10:32	WG2294587
1,3-Dichlorobenzene	U		0.000761	0.00634	1	05/31/2024 10:32	WG2294587
1,4-Dichlorobenzene	0.00256	J	0.000887	0.00634	1	05/31/2024 10:32	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U	J3	0.00204	0.00634	1	05/31/2024 10:32	WG2294587
1,1-Dichloroethane	U		0.000622	0.00317	1	05/31/2024 10:32	WG2294587
1,2-Dichloroethane	U		0.000823	0.00317	1	05/31/2024 10:32	WG2294587
1,1-Dichloroethene	U		0.000768	0.00317	1	05/31/2024 10:32	WG2294587
cis-1,2-Dichloroethene	U		0.000931	0.00317	1	05/31/2024 10:32	WG2294587
trans-1,2-Dichloroethene	U		0.00132	0.00634	1	05/31/2024 10:32	WG2294587
1,2-Dichloropropane	U		0.00180	0.00634	1	05/31/2024 10:32	WG2294587
1,1-Dichloropropene	U		0.00103	0.00317	1	05/31/2024 10:32	WG2294587
1,3-Dichloropropane	U		0.000635	0.00634	1	05/31/2024 10:32	WG2294587
cis-1,3-Dichloropropene	U		0.000960	0.00317	1	05/31/2024 10:32	WG2294587
trans-1,3-Dichloropropene	U		0.00145	0.00634	1	05/31/2024 10:32	WG2294587
2,2-Dichloropropane	U		0.00175	0.00317	1	05/31/2024 10:32	WG2294587
Di-isopropyl ether	U		0.000520	0.00127	1	05/31/2024 10:32	WG2294587
Ethylbenzene	0.0114		0.000934	0.00317	1	05/31/2024 10:32	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00761	0.0317	1	05/31/2024 10:32	WG2294587
Isopropylbenzene	0.00392		0.000539	0.00317	1	05/31/2024 10:32	WG2294587
p-Isopropyltoluene	0.0231		0.00323	0.00634	1	05/31/2024 10:32	WG2294587
2-Butanone (MEK)	U		0.0805	0.127	1	05/31/2024 10:32	WG2294587
Methylene Chloride	0.0127	J	0.00842	0.0317	1	05/31/2024 10:32	WG2294587
4-Methyl-2-pentanone (MIBK)	0.0104	J	0.00289	0.0317	1	05/31/2024 10:32	WG2294587
Methyl tert-butyl ether	U		0.000444	0.00127	1	05/31/2024 10:32	WG2294587
Naphthalene	0.0901		0.00619	0.0158	1	05/31/2024 10:32	WG2294587
n-Propylbenzene	0.00805		0.00120	0.00634	1	05/31/2024 10:32	WG2294587
Styrene	U		0.000290	0.0158	1	05/31/2024 10:32	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00120	0.00317	1	05/31/2024 10:32	WG2294587
1,1,2,2-Tetrachloroethane	U		0.000881	0.00317	1	05/31/2024 10:32	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.000956	0.00317	1	05/31/2024 10:32	WG2294587
Tetrachloroethene	0.00162	J	0.00114	0.00317	1	05/31/2024 10:32	WG2294587
Toluene	0.0271		0.00165	0.00634	1	05/31/2024 10:32	WG2294587
1,2,3-Trichlorobenzene	U		0.00929	0.0158	1	05/31/2024 10:32	WG2294587
1,2,4-Trichlorobenzene	U		0.00558	0.0158	1	05/31/2024 10:32	WG2294587
1,1,1-Trichloroethane	0.00409		0.00117	0.00317	1	05/31/2024 10:32	WG2294587
1,1,2-Trichloroethane	U		0.000757	0.00317	1	05/31/2024 10:32	WG2294587
Trichloroethene	U		0.000740	0.00127	1	05/31/2024 10:32	WG2294587
Trichlorofluoromethane	U		0.00105	0.00317	1	05/31/2024 10:32	WG2294587
1,2,3-Trichloropropane	U		0.00205	0.0158	1	05/31/2024 10:32	WG2294587
1,2,4-Trimethylbenzene	0.0440		0.00200	0.00634	1	05/31/2024 10:32	WG2294587
1,2,3-Trimethylbenzene	0.0341		0.00200	0.00634	1	05/31/2024 10:32	WG2294587
1,3,5-Trimethylbenzene	0.0184		0.00254	0.00634	1	05/31/2024 10:32	WG2294587
Vinyl chloride	U	J3	0.00147	0.00317	1	05/31/2024 10:32	WG2294587
Xylenes, Total	0.103		0.00112	0.00824	1	05/31/2024 10:32	WG2294587
(S) Toluene-d8	*102*			*75.0-131*		*05/31/2024 10:32*	WG2294587
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/31/2024 10:32*	WG2294587
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*05/31/2024 10:32*	WG2294587

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0122	0.0752	2	06/01/2024 00:25	WG2295243
Acenaphthylene	U		0.0106	0.0752	2	06/01/2024 00:25	WG2295243
Anthracene	0.0515	J	0.0134	0.0752	2	06/01/2024 00:25	WG2295243
Benzidine	U		0.141	3.77	2	06/01/2024 00:25	WG2295243
Benzo(a)anthracene	0.164		0.0132	0.0752	2	06/01/2024 00:25	WG2295243
Benzo(b)fluoranthene	0.400		0.0140	0.0752	2	06/01/2024 00:25	WG2295243
Benzo(k)fluoranthene	0.120		0.0133	0.0752	2	06/01/2024 00:25	WG2295243
Benzo(g,h,i)perylene	0.135		0.0138	0.0752	2	06/01/2024 00:25	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.270		0.0140	0.0752	2	06/01/2024 00:25	WG2295243
Bis(2-chlorethoxy)methane	U		0.0226	0.752	2	06/01/2024 00:25	WG2295243
Bis(2-chloroethyl)ether	U		0.0248	0.752	2	06/01/2024 00:25	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.0325	0.752	2	06/01/2024 00:25	WG2295243
4-Bromophenyl-phenylether	U		0.0264	0.752	2	06/01/2024 00:25	WG2295243
2-Chloronaphthalene	U		0.0132	0.0752	2	06/01/2024 00:25	WG2295243
4-Chlorophenyl-phenylether	U		0.0262	0.752	2	06/01/2024 00:25	WG2295243
Chrysene	0.215		0.0149	0.0752	2	06/01/2024 00:25	WG2295243
Dibenz(a,h)anthracene	0.0412	J	0.0209	0.0752	2	06/01/2024 00:25	WG2295243
1,2-Dichlorobenzene	U		0.0222	0.752	2	06/01/2024 00:25	WG2295243
1,3-Dichlorobenzene	U		0.0228	0.752	2	06/01/2024 00:25	WG2295243
1,4-Dichlorobenzene	U		0.0224	0.752	2	06/01/2024 00:25	WG2295243
3,3-Dichlorobenzidine	U		0.0278	0.752	2	06/01/2024 00:25	WG2295243
2,4-Dinitrotoluene	U		0.0216	0.752	2	06/01/2024 00:25	WG2295243
2,6-Dinitrotoluene	U		0.0246	0.752	2	06/01/2024 00:25	WG2295243
Fluoranthene	0.169		0.0135	0.0752	2	06/01/2024 00:25	WG2295243
Fluorene	U		0.0122	0.0752	2	06/01/2024 00:25	WG2295243
Hexachlorobenzene	U		0.0266	0.752	2	06/01/2024 00:25	WG2295243
Hexachloro-1,3-butadiene	U		0.0253	0.752	2	06/01/2024 00:25	WG2295243
Hexachlorocyclopentadiene	U		0.0395	0.752	2	06/01/2024 00:25	WG2295243
Hexachloroethane	U		0.0296	0.752	2	06/01/2024 00:25	WG2295243
Indeno(1,2,3-cd)pyrene	0.163		0.0212	0.0752	2	06/01/2024 00:25	WG2295243
Isophorone	U		0.0230	0.752	2	06/01/2024 00:25	WG2295243
Naphthalene	0.0826		0.0189	0.0752	2	06/01/2024 00:25	WG2295243
Nitrobenzene	U		0.0262	0.752	2	06/01/2024 00:25	WG2295243
n-Nitrosodimethylamine	U		0.112	0.752	2	06/01/2024 00:25	WG2295243
n-Nitrosodiphenylamine	U		0.0569	0.752	2	06/01/2024 00:25	WG2295243
n-Nitrosodi-n-propylamine	U		0.0251	0.752	2	06/01/2024 00:25	WG2295243
Phenanthrene	0.0984		0.0149	0.0752	2	06/01/2024 00:25	WG2295243
Benzylbutyl phthalate	U		0.0235	0.752	2	06/01/2024 00:25	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.0953	0.752	2	06/01/2024 00:25	WG2295243
Di-n-butyl phthalate	U		0.0257	0.752	2	06/01/2024 00:25	WG2295243
Diethyl phthalate	U		0.0248	0.752	2	06/01/2024 00:25	WG2295243
Dimethyl phthalate	U		0.159	0.752	2	06/01/2024 00:25	WG2295243
Di-n-octyl phthalate	U		0.0508	0.752	2	06/01/2024 00:25	WG2295243
Pyrene	0.165		0.0147	0.0752	2	06/01/2024 00:25	WG2295243
1,2,4-Trichlorobenzene	U		0.0235	0.752	2	06/01/2024 00:25	WG2295243
4-Chloro-3-methylphenol	U		0.0244	0.752	2	06/01/2024 00:25	WG2295243
2-Chlorophenol	U		0.0248	0.752	2	06/01/2024 00:25	WG2295243
2,4-Dichlorophenol	U		0.0219	0.752	2	06/01/2024 00:25	WG2295243
2,4-Dimethylphenol	U		0.0196	0.752	2	06/01/2024 00:25	WG2295243
4,6-Dinitro-2-methylphenol	U		0.170	0.752	2	06/01/2024 00:25	WG2295243
2,4-Dinitrophenol	U		0.176	0.752	2	06/01/2024 00:25	WG2295243
2-Nitrophenol	U		0.0269	0.752	2	06/01/2024 00:25	WG2295243
4-Nitrophenol	U		0.0235	0.752	2	06/01/2024 00:25	WG2295243
Pentachlorophenol	U		0.0202	0.752	2	06/01/2024 00:25	WG2295243
Phenol	0.0365	J	0.0303	0.752	2	06/01/2024 00:25	WG2295243
2,4,6-Trichlorophenol	U		0.0242	0.752	2	06/01/2024 00:25	WG2295243
(S) 2-Fluorophenol	*72.1*			*12.0-120*		*06/01/2024 00:25*	WG2295243
(S) Phenol-d5	*70.5*			*10.0-120*		*06/01/2024 00:25*	WG2295243
(S) Nitrobenzene-d5	*59.3*			*10.0-122*		*06/01/2024 00:25*	WG2295243
(S) 2-Fluorobiphenyl	*71.4*			*15.0-120*		*06/01/2024 00:25*	WG2295243
(S) 2,4,6-Tribromophenol	*71.8*			*10.0-127*		*06/01/2024 00:25*	WG2295243
(S) p-Terphenyl-d14	*78.3*			*10.0-120*		*06/01/2024 00:25*	WG2295243

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1739664-02 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.7		1	05/27/2024 07:35	WG2293518

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0244	0.0543	1	05/26/2024 22:12	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.61	J	0.738	2.71	1	06/01/2024 19:08	WG2293711
Arsenic	1.99	J	0.703	2.71	1	06/01/2024 19:08	WG2293711
Barium	52.7		0.116	0.678	1	06/01/2024 19:08	WG2293711
Beryllium	0.251	J	0.0427	0.271	1	06/01/2024 19:08	WG2293711
Cadmium	6.27		0.0639	0.678	1	06/01/2024 19:08	WG2293711
Chromium	20.8		0.180	1.36	1	06/01/2024 19:08	WG2293711
Cobalt	1.47	B	0.110	1.36	1	06/01/2024 19:08	WG2293711
Copper	45.6		0.543	2.71	1	06/01/2024 19:08	WG2293711
Lead	1470		0.282	0.678	1	06/01/2024 19:08	WG2293711
Molybdenum	3.93		0.148	0.678	1	06/01/2024 19:08	WG2293711
Nickel	12.6		0.179	2.71	1	06/01/2024 19:08	WG2293711
Selenium	U		1.04	2.71	1	06/01/2024 19:08	WG2293711
Silver	1.15	J	0.172	1.36	1	06/01/2024 19:08	WG2293711
Thallium	0.653	J	0.534	2.71	1	06/01/2024 19:08	WG2293711
Vanadium	4.46		0.686	2.71	1	06/01/2024 19:08	WG2293711
Zinc	596		1.13	6.78	1	06/01/2024 19:08	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.90	B	1.45	4.36	25	05/28/2024 12:16	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*05/28/2024 12:16*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0640	0.0877	1	05/31/2024 10:51	WG2294587
Acrylonitrile	U		0.00633	0.0219	1	05/31/2024 10:51	WG2294587
Benzene	0.0155		0.000819	0.00175	1	05/31/2024 10:51	WG2294587
Bromobenzene	U		0.00158	0.0219	1	05/31/2024 10:51	WG2294587
Bromodichloromethane	U		0.00127	0.00439	1	05/31/2024 10:51	WG2294587
Bromoform	U		0.00205	0.0439	1	05/31/2024 10:51	WG2294587
Bromomethane	U	J3	0.00346	0.0219	1	05/31/2024 10:51	WG2294587
n-Butylbenzene	0.0103	J	0.00921	0.0219	1	05/31/2024 10:51	WG2294587
sec-Butylbenzene	U		0.00505	0.0219	1	05/31/2024 10:51	WG2294587
tert-Butylbenzene	U		0.00342	0.00877	1	05/31/2024 10:51	WG2294587
Carbon tetrachloride	U		0.00158	0.00877	1	05/31/2024 10:51	WG2294587
Chlorobenzene	U		0.000368	0.00439	1	05/31/2024 10:51	WG2294587
Chlorodibromomethane	U		0.00107	0.00439	1	05/31/2024 10:51	WG2294587
Chloroethane	U		0.00298	0.00877	1	05/31/2024 10:51	WG2294587
Chloroform	U		0.00181	0.00439	1	05/31/2024 10:51	WG2294587
Chloromethane	U		0.00763	0.0219	1	05/31/2024 10:51	WG2294587
2-Chlorotoluene	U		0.00152	0.00439	1	05/31/2024 10:51	WG2294587
4-Chlorotoluene	U		0.000789	0.00877	1	05/31/2024 10:51	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00684	0.0439	1	05/31/2024 10:51	WG2294587
1,2-Dibromoethane	U		0.00114	0.00439	1	05/31/2024 10:51	WG2294587
Dibromomethane	U		0.00132	0.00877	1	05/31/2024 10:51	WG2294587
1,2-Dichlorobenzene	0.00122	J	0.000746	0.00877	1	05/31/2024 10:51	WG2294587
1,3-Dichlorobenzene	U		0.00105	0.00877	1	05/31/2024 10:51	WG2294587
1,4-Dichlorobenzene	0.00246	J	0.00123	0.00877	1	05/31/2024 10:51	WG2294587
Dichlorodifluoromethane	U	J3	0.00282	0.00877	1	05/31/2024 10:51	WG2294587
1,1-Dichloroethane	U		0.000861	0.00439	1	05/31/2024 10:51	WG2294587
1,2-Dichloroethane	U		0.00114	0.00439	1	05/31/2024 10:51	WG2294587
1,1-Dichloroethene	U		0.00106	0.00439	1	05/31/2024 10:51	WG2294587
cis-1,2-Dichloroethene	U		0.00129	0.00439	1	05/31/2024 10:51	WG2294587
trans-1,2-Dichloroethene	U		0.00182	0.00877	1	05/31/2024 10:51	WG2294587
1,2-Dichloropropane	U		0.00249	0.00877	1	05/31/2024 10:51	WG2294587
1,1-Dichloropropene	U		0.00142	0.00439	1	05/31/2024 10:51	WG2294587
1,3-Dichloropropane	U		0.000879	0.00877	1	05/31/2024 10:51	WG2294587
cis-1,3-Dichloropropene	U		0.00133	0.00439	1	05/31/2024 10:51	WG2294587
trans-1,3-Dichloropropene	U		0.00200	0.00877	1	05/31/2024 10:51	WG2294587
2,2-Dichloropropane	U		0.00242	0.00439	1	05/31/2024 10:51	WG2294587
Di-isopropyl ether	U		0.000719	0.00175	1	05/31/2024 10:51	WG2294587
Ethylbenzene	0.0133		0.00129	0.00439	1	05/31/2024 10:51	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.0105	0.0439	1	05/31/2024 10:51	WG2294587
Isopropylbenzene	0.00482		0.000746	0.00439	1	05/31/2024 10:51	WG2294587
p-Isopropyltoluene	0.0261		0.00447	0.00877	1	05/31/2024 10:51	WG2294587
2-Butanone (MEK)	U		0.111	0.175	1	05/31/2024 10:51	WG2294587
Methylene Chloride	0.0162	J	0.0116	0.0439	1	05/31/2024 10:51	WG2294587
4-Methyl-2-pentanone (MIBK)	0.00956	J	0.00400	0.0439	1	05/31/2024 10:51	WG2294587
Methyl tert-butyl ether	U		0.000614	0.00175	1	05/31/2024 10:51	WG2294587
Naphthalene	0.0956		0.00856	0.0219	1	05/31/2024 10:51	WG2294587
n-Propylbenzene	0.00939		0.00167	0.00877	1	05/31/2024 10:51	WG2294587
Styrene	U		0.000402	0.0219	1	05/31/2024 10:51	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00166	0.00439	1	05/31/2024 10:51	WG2294587
1,1,2,2-Tetrachloroethane	U		0.00122	0.00439	1	05/31/2024 10:51	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00132	0.00439	1	05/31/2024 10:51	WG2294587
Tetrachloroethene	0.00237	J	0.00157	0.00439	1	05/31/2024 10:51	WG2294587
Toluene	0.0393		0.00228	0.00877	1	05/31/2024 10:51	WG2294587
1,2,3-Trichlorobenzene	U		0.0129	0.0219	1	05/31/2024 10:51	WG2294587
1,2,4-Trichlorobenzene	U		0.00772	0.0219	1	05/31/2024 10:51	WG2294587
1,1,1-Trichloroethane	U		0.00162	0.00439	1	05/31/2024 10:51	WG2294587
1,1,2-Trichloroethane	U		0.00105	0.00439	1	05/31/2024 10:51	WG2294587
Trichloroethene	U		0.00102	0.00175	1	05/31/2024 10:51	WG2294587
Trichlorofluoromethane	U		0.00145	0.00439	1	05/31/2024 10:51	WG2294587
1,2,3-Trichloropropane	U		0.00284	0.0219	1	05/31/2024 10:51	WG2294587
1,2,4-Trimethylbenzene	0.0479		0.00277	0.00877	1	05/31/2024 10:51	WG2294587
1,2,3-Trimethylbenzene	0.0365		0.00277	0.00877	1	05/31/2024 10:51	WG2294587
1,3,5-Trimethylbenzene	0.0219		0.00351	0.00877	1	05/31/2024 10:51	WG2294587
Vinyl chloride	U	J3	0.00203	0.00439	1	05/31/2024 10:51	WG2294587
Xylenes, Total	0.117		0.00154	0.0114	1	05/31/2024 10:51	WG2294587
(S) Toluene-d8	*101*			*75.0-131*		*05/31/2024 10:51*	WG2294587
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/31/2024 10:51*	WG2294587
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*05/31/2024 10:51*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	11.4		0.994	5.43	1	05/30/2024 19:04	WG2295239
C22-C32 Hydrocarbons	24.4		1.80	5.43	1	05/30/2024 19:04	WG2295239
C32-C40 Hydrocarbons	12.6		1.80	5.43	1	05/30/2024 19:04	WG2295239
(S) o-Terphenyl	*36.3*			*18.0-148*		*05/30/2024 19:04*	WG2295239

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0461		0.00731	0.0452	1	05/31/2024 21:09	WG2295243
Acenaphthylene	U		0.00636	0.0452	1	05/31/2024 21:09	WG2295243
Anthracene	0.0263	J	0.00804	0.0452	1	05/31/2024 21:09	WG2295243
Benzidine	U		0.0849	2.27	1	05/31/2024 21:09	WG2295243
Benzo(a)anthracene	0.0392	J	0.00796	0.0452	1	05/31/2024 21:09	WG2295243
Benzo(b)fluoranthene	0.0985		0.00842	0.0452	1	05/31/2024 21:09	WG2295243
Benzo(k)fluoranthene	0.0260	J	0.00803	0.0452	1	05/31/2024 21:09	WG2295243
Benzo(g,h,i)perylene	0.0658		0.00826	0.0452	1	05/31/2024 21:09	WG2295243
Benzo(a)pyrene	0.0669		0.00840	0.0452	1	05/31/2024 21:09	WG2295243
Bis(2-chlorethoxy)methane	U		0.0136	0.452	1	05/31/2024 21:09	WG2295243
Bis(2-chloroethyl)ether	U		0.0149	0.452	1	05/31/2024 21:09	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.0195	0.452	1	05/31/2024 21:09	WG2295243
4-Bromophenyl-phenylether	U		0.0159	0.452	1	05/31/2024 21:09	WG2295243
2-Chloronaphthalene	U		0.00794	0.0452	1	05/31/2024 21:09	WG2295243
4-Chlorophenyl-phenylether	U		0.0157	0.452	1	05/31/2024 21:09	WG2295243
Chrysene	0.0537		0.00898	0.0452	1	05/31/2024 21:09	WG2295243
Dibenz(a,h)anthracene	0.0145	J	0.0125	0.0452	1	05/31/2024 21:09	WG2295243
1,2-Dichlorobenzene	U		0.0134	0.452	1	05/31/2024 21:09	WG2295243
1,3-Dichlorobenzene	U		0.0137	0.452	1	05/31/2024 21:09	WG2295243
1,4-Dichlorobenzene	U		0.0134	0.452	1	05/31/2024 21:09	WG2295243
3,3-Dichlorobenzidine	U		0.0167	0.452	1	05/31/2024 21:09	WG2295243
2,4-Dinitrotoluene	U		0.0130	0.452	1	05/31/2024 21:09	WG2295243
2,6-Dinitrotoluene	U		0.0148	0.452	1	05/31/2024 21:09	WG2295243
Fluoranthene	0.0514		0.00815	0.0452	1	05/31/2024 21:09	WG2295243
Fluorene	0.0304	J	0.00735	0.0452	1	05/31/2024 21:09	WG2295243
Hexachlorobenzene	U		0.0160	0.452	1	05/31/2024 21:09	WG2295243
Hexachloro-1,3-butadiene	U		0.0152	0.452	1	05/31/2024 21:09	WG2295243
Hexachlorocyclopentadiene	U		0.0237	0.452	1	05/31/2024 21:09	WG2295243
Hexachloroethane	U		0.0178	0.452	1	05/31/2024 21:09	WG2295243
Indeno(1,2,3-cd)pyrene	0.0689		0.0128	0.0452	1	05/31/2024 21:09	WG2295243
Isophorone	U		0.0138	0.452	1	05/31/2024 21:09	WG2295243
Naphthalene	0.0708		0.0113	0.0452	1	05/31/2024 21:09	WG2295243
Nitrobenzene	U		0.0157	0.452	1	05/31/2024 21:09	WG2295243
n-Nitrosodimethylamine	U		0.0670	0.452	1	05/31/2024 21:09	WG2295243
n-Nitrosodiphenylamine	U		0.0342	0.452	1	05/31/2024 21:09	WG2295243
n-Nitrosodi-n-propylamine	U		0.0151	0.452	1	05/31/2024 21:09	WG2295243
Phenanthrene	0.0628		0.00897	0.0452	1	05/31/2024 21:09	WG2295243
Benzylbutyl phthalate	U		0.0141	0.452	1	05/31/2024 21:09	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.0572	0.452	1	05/31/2024 21:09	WG2295243
Di-n-butyl phthalate	U		0.0155	0.452	1	05/31/2024 21:09	WG2295243
Diethyl phthalate	U		0.0149	0.452	1	05/31/2024 21:09	WG2295243
Dimethyl phthalate	U		0.0958	0.452	1	05/31/2024 21:09	WG2295243
Di-n-octyl phthalate	U		0.0305	0.452	1	05/31/2024 21:09	WG2295243
Pyrene	0.0442	J	0.00879	0.0452	1	05/31/2024 21:09	WG2295243
1,2,4-Trichlorobenzene	U		0.0141	0.452	1	05/31/2024 21:09	WG2295243
4-Chloro-3-methylphenol	U		0.0146	0.452	1	05/31/2024 21:09	WG2295243
2-Chlorophenol	U		0.0149	0.452	1	05/31/2024 21:09	WG2295243
2,4-Dichlorophenol	U		0.0132	0.452	1	05/31/2024 21:09	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0118	0.452	1	05/31/2024 21:09	WG2295243
4,6-Dinitro-2-methylphenol	U		0.102	0.452	1	05/31/2024 21:09	WG2295243
2,4-Dinitrophenol	U		0.106	0.452	1	05/31/2024 21:09	WG2295243
2-Nitrophenol	U		0.0161	0.452	1	05/31/2024 21:09	WG2295243
4-Nitrophenol	U		0.0141	0.452	1	05/31/2024 21:09	WG2295243
Pentachlorophenol	U		0.0122	0.452	1	05/31/2024 21:09	WG2295243
Phenol	U		0.0182	0.452	1	05/31/2024 21:09	WG2295243
2,4,6-Trichlorophenol	U		0.0145	0.452	1	05/31/2024 21:09	WG2295243
(S) 2-Fluorophenol	*57.8*			*12.0-120*		*05/31/2024 21:09*	WG2295243
(S) Phenol-d5	*55.6*			*10.0-120*		*05/31/2024 21:09*	WG2295243
(S) Nitrobenzene-d5	*46.3*			*10.0-122*		*05/31/2024 21:09*	WG2295243
(S) 2-Fluorobiphenyl	*59.0*			*15.0-120*		*05/31/2024 21:09*	WG2295243
(S) 2,4,6-Tribromophenol	*59.9*			*10.0-127*		*05/31/2024 21:09*	WG2295243
(S) p-Terphenyl-d14	*63.7*			*10.0-120*		*05/31/2024 21:09*	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	06/06/2024 09:58	WG2299600

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.127		0.0211	0.0470	1	06/07/2024 16:56	WG2299461

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.35		0.639	2.35	1	06/11/2024 19:02	WG2299929
Arsenic	4.53		0.608	2.35	1	06/11/2024 19:02	WG2299929
Barium	85.5		0.100	0.587	1	06/11/2024 19:02	WG2299929
Beryllium	0.319		0.0370	0.235	1	06/11/2024 19:02	WG2299929
Cadmium	6.22		0.0553	0.587	1	06/11/2024 19:02	WG2299929
Chromium	46.4		0.156	1.17	1	06/11/2024 19:02	WG2299929
Cobalt	4.59		0.0952	1.17	1	06/11/2024 19:02	WG2299929
Copper	65.3		0.470	2.35	1	06/11/2024 19:02	WG2299929
Lead	1430		0.244	0.587	1	06/11/2024 19:02	WG2299929
Molybdenum	5.33		0.128	0.587	1	06/11/2024 19:02	WG2299929
Nickel	33.0		0.155	2.35	1	06/11/2024 19:02	WG2299929
Selenium	1.36	J	0.897	2.35	1	06/11/2024 19:02	WG2299929
Silver	0.987	J	0.149	1.17	1	06/11/2024 19:02	WG2299929
Thallium	U		0.463	2.35	1	06/11/2024 19:02	WG2299929
Vanadium	25.8		0.594	2.35	1	06/11/2024 19:02	WG2299929
Zinc	586		0.977	5.87	1	06/11/2024 19:02	WG2299929

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0130	J	0.00633	0.0391	1	06/06/2024 15:11	WG2298678
Acenaphthylene	U		0.00551	0.0391	1	06/06/2024 15:11	WG2298678
Anthracene	0.0739		0.00696	0.0391	1	06/06/2024 15:11	WG2298678
Benzidine	U		0.0735	1.96	1	06/06/2024 15:11	WG2298678
Benzo(a)anthracene	0.337		0.00689	0.0391	1	06/06/2024 15:11	WG2298678
Benzo(b)fluoranthene	0.752		0.00729	0.0391	1	06/06/2024 15:11	WG2298678
Benzo(k)fluoranthene	0.210		0.00695	0.0391	1	06/06/2024 15:11	WG2298678
Benzo(g,h,i)perylene	0.361		0.00715	0.0391	1	06/06/2024 15:11	WG2298678
Benzo(a)pyrene	0.513		0.00727	0.0391	1	06/06/2024 15:11	WG2298678
Bis(2-chlorethoxy)methane	U		0.0117	0.391	1	06/06/2024 15:11	WG2298678
Bis(2-chloroethyl)ether	U		0.0129	0.391	1	06/06/2024 15:11	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0169	0.391	1	06/06/2024 15:11	WG2298678
4-Bromophenyl-phenylether	U		0.0137	0.391	1	06/06/2024 15:11	WG2298678
2-Chloronaphthalene	U		0.00687	0.0391	1	06/06/2024 15:11	WG2298678
4-Chlorophenyl-phenylether	U		0.0136	0.391	1	06/06/2024 15:11	WG2298678
Chrysene	0.364		0.00777	0.0391	1	06/06/2024 15:11	WG2298678
Dibenz(a,h)anthracene	0.0964		0.0108	0.0391	1	06/06/2024 15:11	WG2298678
1,2-Dichlorobenzene	U		0.0116	0.391	1	06/06/2024 15:11	WG2298678
1,3-Dichlorobenzene	U		0.0119	0.391	1	06/06/2024 15:11	WG2298678
1,4-Dichlorobenzene	U		0.0116	0.391	1	06/06/2024 15:11	WG2298678
3,3-Dichlorobenzidine	U		0.0144	0.391	1	06/06/2024 15:11	WG2298678
2,4-Dinitrotoluene	U		0.0112	0.391	1	06/06/2024 15:11	WG2298678
2,6-Dinitrotoluene	U		0.0128	0.391	1	06/06/2024 15:11	WG2298678
Fluoranthene	0.395		0.00706	0.0391	1	06/06/2024 15:11	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluorene	0.0182	J	0.00636	0.0391	1	06/06/2024 15:11	WG2298678
Hexachlorobenzene	U		0.0139	0.391	1	06/06/2024 15:11	WG2298678
Hexachloro-1,3-butadiene	U		0.0132	0.391	1	06/06/2024 15:11	WG2298678
Hexachlorocyclopentadiene	U		0.0206	0.391	1	06/06/2024 15:11	WG2298678
Hexachloroethane	U		0.0154	0.391	1	06/06/2024 15:11	WG2298678
Indeno(1,2,3-cd)pyrene	0.425		0.0111	0.0391	1	06/06/2024 15:11	WG2298678
Isophorone	U		0.0120	0.391	1	06/06/2024 15:11	WG2298678
Naphthalene	0.168		0.00982	0.0391	1	06/06/2024 15:11	WG2298678
Nitrobenzene	U		0.0136	0.391	1	06/06/2024 15:11	WG2298678
n-Nitrosodimethylamine	U		0.0580	0.391	1	06/06/2024 15:11	WG2298678
n-Nitrosodiphenylamine	U		0.0296	0.391	1	06/06/2024 15:11	WG2298678
n-Nitrosodi-n-propylamine	U		0.0130	0.391	1	06/06/2024 15:11	WG2298678
Phenanthrene	0.200		0.00776	0.0391	1	06/06/2024 15:11	WG2298678
Benzylbutyl phthalate	0.0224	J	0.0122	0.391	1	06/06/2024 15:11	WG2298678
Bis(2-ethylhexyl)phthalate	0.0815	J	0.0496	0.391	1	06/06/2024 15:11	WG2298678
Di-n-butyl phthalate	U		0.0134	0.391	1	06/06/2024 15:11	WG2298678
Diethyl phthalate	U		0.0129	0.391	1	06/06/2024 15:11	WG2298678
Dimethyl phthalate	U		0.0829	0.391	1	06/06/2024 15:11	WG2298678
Di-n-octyl phthalate	U		0.0264	0.391	1	06/06/2024 15:11	WG2298678
Pyrene	0.368		0.00761	0.0391	1	06/06/2024 15:11	WG2298678
1,2,4-Trichlorobenzene	U		0.0122	0.391	1	06/06/2024 15:11	WG2298678
4-Chloro-3-methylphenol	U		0.0127	0.391	1	06/06/2024 15:11	WG2298678
2-Chlorophenol	U		0.0129	0.391	1	06/06/2024 15:11	WG2298678
2,4-Dichlorophenol	U		0.0114	0.391	1	06/06/2024 15:11	WG2298678
2,4-Dimethylphenol	0.0301	J	0.0102	0.391	1	06/06/2024 15:11	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0887	0.391	1	06/06/2024 15:11	WG2298678
2,4-Dinitrophenol	U		0.0915	0.391	1	06/06/2024 15:11	WG2298678
2-Nitrophenol	U		0.0140	0.391	1	06/06/2024 15:11	WG2298678
4-Nitrophenol	U		0.0122	0.391	1	06/06/2024 15:11	WG2298678
Pentachlorophenol	U		0.0105	0.391	1	06/06/2024 15:11	WG2298678
Phenol	0.0531	J	0.0157	0.391	1	06/06/2024 15:11	WG2298678
2,4,6-Trichlorophenol	U		0.0126	0.391	1	06/06/2024 15:11	WG2298678
(S) 2-Fluorophenol	*47.9*			*12.0-120*		*06/06/2024 15:11*	WG2298678
(S) Phenol-d5	*47.4*			*10.0-120*		*06/06/2024 15:11*	WG2298678
(S) Nitrobenzene-d5	*41.7*			*10.0-122*		*06/06/2024 15:11*	WG2298678
(S) 2-Fluorobiphenyl	*49.5*			*15.0-120*		*06/06/2024 15:11*	WG2298678
(S) 2,4,6-Tribromophenol	*48.3*			*10.0-127*		*06/06/2024 15:11*	WG2298678
(S) p-Terphenyl-d14	*53.2*			*10.0-120*		*06/06/2024 15:11*	WG2298678

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	05/27/2024 07:35	WG2293518

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.53	B J	1.28	3.86	25	05/28/2024 12:36	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*		*05/28/2024 12:36*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0547	0.0749	1	05/31/2024 11:10	WG2294587
Acrylonitrile	U		0.00541	0.0187	1	05/31/2024 11:10	WG2294587
Benzene	U		0.000699	0.00150	1	05/31/2024 11:10	WG2294587
Bromobenzene	U		0.00135	0.0187	1	05/31/2024 11:10	WG2294587
Bromodichloromethane	U		0.00109	0.00374	1	05/31/2024 11:10	WG2294587
Bromoform	U		0.00175	0.0374	1	05/31/2024 11:10	WG2294587
Bromomethane	U	J3	0.00295	0.0187	1	05/31/2024 11:10	WG2294587
n-Butylbenzene	U		0.00786	0.0187	1	05/31/2024 11:10	WG2294587
sec-Butylbenzene	U		0.00431	0.0187	1	05/31/2024 11:10	WG2294587
tert-Butylbenzene	U		0.00292	0.00749	1	05/31/2024 11:10	WG2294587
Carbon tetrachloride	U		0.00134	0.00749	1	05/31/2024 11:10	WG2294587
Chlorobenzene	U		0.000314	0.00374	1	05/31/2024 11:10	WG2294587
Chlorodibromomethane	U		0.000916	0.00374	1	05/31/2024 11:10	WG2294587
Chloroethane	U		0.00255	0.00749	1	05/31/2024 11:10	WG2294587
Chloroform	U		0.00154	0.00374	1	05/31/2024 11:10	WG2294587
Chloromethane	U		0.00651	0.0187	1	05/31/2024 11:10	WG2294587
2-Chlorotoluene	U		0.00130	0.00374	1	05/31/2024 11:10	WG2294587
4-Chlorotoluene	U		0.000674	0.00749	1	05/31/2024 11:10	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00584	0.0374	1	05/31/2024 11:10	WG2294587
1,2-Dibromoethane	U		0.000970	0.00374	1	05/31/2024 11:10	WG2294587
Dibromomethane	U		0.00112	0.00749	1	05/31/2024 11:10	WG2294587
1,2-Dichlorobenzene	U		0.000636	0.00749	1	05/31/2024 11:10	WG2294587
1,3-Dichlorobenzene	U		0.000898	0.00749	1	05/31/2024 11:10	WG2294587
1,4-Dichlorobenzene	U		0.00105	0.00749	1	05/31/2024 11:10	WG2294587
Dichlorodifluoromethane	U	J3	0.00241	0.00749	1	05/31/2024 11:10	WG2294587
1,1-Dichloroethane	U		0.000735	0.00374	1	05/31/2024 11:10	WG2294587
1,2-Dichloroethane	U		0.000972	0.00374	1	05/31/2024 11:10	WG2294587
1,1-Dichloroethene	U		0.000907	0.00374	1	05/31/2024 11:10	WG2294587
cis-1,2-Dichloroethene	U		0.00110	0.00374	1	05/31/2024 11:10	WG2294587
trans-1,2-Dichloroethene	U		0.00156	0.00749	1	05/31/2024 11:10	WG2294587
1,2-Dichloropropane	U		0.00213	0.00749	1	05/31/2024 11:10	WG2294587
1,1-Dichloropropene	U		0.00121	0.00374	1	05/31/2024 11:10	WG2294587
1,3-Dichloropropane	U		0.000750	0.00749	1	05/31/2024 11:10	WG2294587
cis-1,3-Dichloropropene	U		0.00113	0.00374	1	05/31/2024 11:10	WG2294587
trans-1,3-Dichloropropene	U		0.00171	0.00749	1	05/31/2024 11:10	WG2294587
2,2-Dichloropropane	U		0.00207	0.00374	1	05/31/2024 11:10	WG2294587
Di-isopropyl ether	U		0.000614	0.00150	1	05/31/2024 11:10	WG2294587
Ethylbenzene	U		0.00110	0.00374	1	05/31/2024 11:10	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00898	0.0374	1	05/31/2024 11:10	WG2294587
Isopropylbenzene	U		0.000636	0.00374	1	05/31/2024 11:10	WG2294587
p-Isopropyltoluene	U		0.00382	0.00749	1	05/31/2024 11:10	WG2294587
2-Butanone (MEK)	U		0.0951	0.150	1	05/31/2024 11:10	WG2294587
Methylene Chloride	0.0171	J	0.00994	0.0374	1	05/31/2024 11:10	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00341	0.0374	1	05/31/2024 11:10	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000524	0.00150	1	05/31/2024 11:10	WG2294587
Naphthalene	U		0.00731	0.0187	1	05/31/2024 11:10	WG2294587
n-Propylbenzene	U		0.00142	0.00749	1	05/31/2024 11:10	WG2294587
Styrene	U		0.000343	0.0187	1	05/31/2024 11:10	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00142	0.00374	1	05/31/2024 11:10	WG2294587
1,1,2,2-Tetrachloroethane	U		0.00104	0.00374	1	05/31/2024 11:10	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00113	0.00374	1	05/31/2024 11:10	WG2294587
Tetrachloroethene	U		0.00134	0.00374	1	05/31/2024 11:10	WG2294587
Toluene	0.00198	J	0.00195	0.00749	1	05/31/2024 11:10	WG2294587
1,2,3-Trichlorobenzene	U		0.0110	0.0187	1	05/31/2024 11:10	WG2294587
1,2,4-Trichlorobenzene	U		0.00659	0.0187	1	05/31/2024 11:10	WG2294587
1,1,1-Trichloroethane	U		0.00138	0.00374	1	05/31/2024 11:10	WG2294587
1,1,2-Trichloroethane	U		0.000894	0.00374	1	05/31/2024 11:10	WG2294587
Trichloroethene	U		0.000874	0.00150	1	05/31/2024 11:10	WG2294587
Trichlorofluoromethane	U		0.00124	0.00374	1	05/31/2024 11:10	WG2294587
1,2,3-Trichloropropane	U		0.00243	0.0187	1	05/31/2024 11:10	WG2294587
1,2,4-Trimethylbenzene	U		0.00237	0.00749	1	05/31/2024 11:10	WG2294587
1,2,3-Trimethylbenzene	U		0.00237	0.00749	1	05/31/2024 11:10	WG2294587
1,3,5-Trimethylbenzene	U		0.00299	0.00749	1	05/31/2024 11:10	WG2294587
Vinyl chloride	U	J3	0.00174	0.00374	1	05/31/2024 11:10	WG2294587
Xylenes, Total	0.00539	J	0.00132	0.00973	1	05/31/2024 11:10	WG2294587
(S) Toluene-d8	*102*			*75.0-131*		*05/31/2024 11:10*	WG2294587
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 11:10*	WG2294587
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*05/31/2024 11:10*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		9.13	49.8	10	05/31/2024 10:56	WG2295239
C22-C32 Hydrocarbons	82.5		16.6	49.8	10	05/31/2024 10:56	WG2295239
C32-C40 Hydrocarbons	99.0		16.6	49.8	10	05/31/2024 10:56	WG2295239
(S) o-Terphenyl	*70.9*			*18.0-148*		*05/31/2024 10:56*	WG2295239

Sample Narrative:

L1739664-05 WG2295239: Cannot run at lower dilution due to viscosity of extract.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	05/24/2024 15:10	WG2292768

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.62	B J	1.16	3.50	25	05/28/2024 12:55	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*05/28/2024 12:55*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0513	0.0702	1	05/31/2024 11:30	WG2294587
Acrylonitrile	U		0.00507	0.0176	1	05/31/2024 11:30	WG2294587
Benzene	U		0.000656	0.00140	1	05/31/2024 11:30	WG2294587
Bromobenzene	U		0.00126	0.0176	1	05/31/2024 11:30	WG2294587
Bromodichloromethane	U		0.00102	0.00351	1	05/31/2024 11:30	WG2294587
Bromoform	U		0.00164	0.0351	1	05/31/2024 11:30	WG2294587
Bromomethane	U	J3	0.00277	0.0176	1	05/31/2024 11:30	WG2294587
n-Butylbenzene	U		0.00737	0.0176	1	05/31/2024 11:30	WG2294587
sec-Butylbenzene	U		0.00404	0.0176	1	05/31/2024 11:30	WG2294587
tert-Butylbenzene	U		0.00274	0.00702	1	05/31/2024 11:30	WG2294587
Carbon tetrachloride	U		0.00126	0.00702	1	05/31/2024 11:30	WG2294587
Chlorobenzene	U		0.000295	0.00351	1	05/31/2024 11:30	WG2294587
Chlorodibromomethane	U		0.000860	0.00351	1	05/31/2024 11:30	WG2294587
Chloroethane	U		0.00239	0.00702	1	05/31/2024 11:30	WG2294587
Chloroform	U		0.00145	0.00351	1	05/31/2024 11:30	WG2294587
Chloromethane	U		0.00611	0.0176	1	05/31/2024 11:30	WG2294587
2-Chlorotoluene	U		0.00121	0.00351	1	05/31/2024 11:30	WG2294587
4-Chlorotoluene	U		0.000632	0.00702	1	05/31/2024 11:30	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00548	0.0351	1	05/31/2024 11:30	WG2294587
1,2-Dibromoethane	U		0.000910	0.00351	1	05/31/2024 11:30	WG2294587
Dibromomethane	U		0.00105	0.00702	1	05/31/2024 11:30	WG2294587
1,2-Dichlorobenzene	U		0.000597	0.00702	1	05/31/2024 11:30	WG2294587
1,3-Dichlorobenzene	U		0.000843	0.00702	1	05/31/2024 11:30	WG2294587
1,4-Dichlorobenzene	U		0.000983	0.00702	1	05/31/2024 11:30	WG2294587
Dichlorodifluoromethane	U	J3	0.00226	0.00702	1	05/31/2024 11:30	WG2294587
1,1-Dichloroethane	U		0.000690	0.00351	1	05/31/2024 11:30	WG2294587
1,2-Dichloroethane	U		0.000911	0.00351	1	05/31/2024 11:30	WG2294587
1,1-Dichloroethene	U		0.000851	0.00351	1	05/31/2024 11:30	WG2294587
cis-1,2-Dichloroethene	U		0.00103	0.00351	1	05/31/2024 11:30	WG2294587
trans-1,2-Dichloroethene	U		0.00146	0.00702	1	05/31/2024 11:30	WG2294587
1,2-Dichloropropane	U		0.00199	0.00702	1	05/31/2024 11:30	WG2294587
1,1-Dichloropropene	U		0.00114	0.00351	1	05/31/2024 11:30	WG2294587
1,3-Dichloropropane	U		0.000704	0.00702	1	05/31/2024 11:30	WG2294587
cis-1,3-Dichloropropene	U		0.00106	0.00351	1	05/31/2024 11:30	WG2294587
trans-1,3-Dichloropropene	U		0.00160	0.00702	1	05/31/2024 11:30	WG2294587
2,2-Dichloropropane	U		0.00194	0.00351	1	05/31/2024 11:30	WG2294587
Di-isopropyl ether	U		0.000576	0.00140	1	05/31/2024 11:30	WG2294587
Ethylbenzene	U		0.00104	0.00351	1	05/31/2024 11:30	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00843	0.0351	1	05/31/2024 11:30	WG2294587
Isopropylbenzene	U		0.000597	0.00351	1	05/31/2024 11:30	WG2294587
p-Isopropyltoluene	U		0.00358	0.00702	1	05/31/2024 11:30	WG2294587
2-Butanone (MEK)	U		0.0892	0.140	1	05/31/2024 11:30	WG2294587
Methylene Chloride	0.0116	J	0.00933	0.0351	1	05/31/2024 11:30	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1	05/31/2024 11:30	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000492	0.00140	1	05/31/2024 11:30	WG2294587
Naphthalene	U		0.00685	0.0176	1	05/31/2024 11:30	WG2294587
n-Propylbenzene	U		0.00133	0.00702	1	05/31/2024 11:30	WG2294587
Styrene	U		0.000322	0.0176	1	05/31/2024 11:30	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00133	0.00351	1	05/31/2024 11:30	WG2294587
1,1,2,2-Tetrachloroethane	U		0.000976	0.00351	1	05/31/2024 11:30	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1	05/31/2024 11:30	WG2294587
Tetrachloroethene	U		0.00126	0.00351	1	05/31/2024 11:30	WG2294587
Toluene	U		0.00183	0.00702	1	05/31/2024 11:30	WG2294587
1,2,3-Trichlorobenzene	U		0.0103	0.0176	1	05/31/2024 11:30	WG2294587
1,2,4-Trichlorobenzene	U		0.00618	0.0176	1	05/31/2024 11:30	WG2294587
1,1,1-Trichloroethane	U		0.00130	0.00351	1	05/31/2024 11:30	WG2294587
1,1,2-Trichloroethane	U		0.000838	0.00351	1	05/31/2024 11:30	WG2294587
Trichloroethene	U		0.000820	0.00140	1	05/31/2024 11:30	WG2294587
Trichlorofluoromethane	U		0.00116	0.00351	1	05/31/2024 11:30	WG2294587
1,2,3-Trichloropropane	U		0.00228	0.0176	1	05/31/2024 11:30	WG2294587
1,2,4-Trimethylbenzene	U		0.00222	0.00702	1	05/31/2024 11:30	WG2294587
1,2,3-Trimethylbenzene	U		0.00222	0.00702	1	05/31/2024 11:30	WG2294587
1,3,5-Trimethylbenzene	U		0.00281	0.00702	1	05/31/2024 11:30	WG2294587
Vinyl chloride	U	J3	0.00163	0.00351	1	05/31/2024 11:30	WG2294587
Xylenes, Total	U		0.00124	0.00913	1	05/31/2024 11:30	WG2294587
(S) Toluene-d8	*99.9*			*75.0-131*		*05/31/2024 11:30*	WG2294587
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 11:30*	WG2294587
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*05/31/2024 11:30*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	6.68		0.866	4.73	1	05/30/2024 18:51	WG2295239
C22-C32 Hydrocarbons	25.6		1.57	4.73	1	05/30/2024 18:51	WG2295239
C32-C40 Hydrocarbons	13.7		1.57	4.73	1	05/30/2024 18:51	WG2295239
(S) o-Terphenyl	*38.9*			*18.0-148*		*05/30/2024 18:51*	WG2295239

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0920		0.0205	0.0456	1	05/26/2024 22:15	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.621	2.28	1	06/01/2024 19:10	WG2293711
Arsenic	1.95	J	0.591	2.28	1	06/01/2024 19:10	WG2293711
Barium	62.2		0.0972	0.571	1	06/01/2024 19:10	WG2293711
Beryllium	0.0882	J	0.0359	0.228	1	06/01/2024 19:10	WG2293711
Cadmium	0.171	J	0.0537	0.571	1	06/01/2024 19:10	WG2293711
Chromium	9.50		0.152	1.14	1	06/01/2024 19:10	WG2293711
Cobalt	4.87		0.0926	1.14	1	06/01/2024 19:10	WG2293711
Copper	24.4		0.456	2.28	1	06/01/2024 19:10	WG2293711
Lead	120		0.237	0.571	1	06/01/2024 19:10	WG2293711
Molybdenum	0.127	J	0.124	0.571	1	06/01/2024 19:10	WG2293711
Nickel	13.7		0.151	2.28	1	06/01/2024 19:10	WG2293711
Selenium	U		0.872	2.28	1	06/01/2024 19:10	WG2293711
Silver	0.376	J	0.145	1.14	1	06/01/2024 19:10	WG2293711
Thallium	0.706	J	0.450	2.28	1	06/01/2024 19:10	WG2293711
Vanadium	14.8		0.577	2.28	1	06/01/2024 19:10	WG2293711
Zinc	53.8		0.949	5.71	1	06/01/2024 19:10	WG2293711

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0135	0.0388	1	05/30/2024 23:01	WG2294622
PCB 1221	U		0.0135	0.0388	1	05/30/2024 23:01	WG2294622
PCB 1232	U		0.0135	0.0388	1	05/30/2024 23:01	WG2294622
PCB 1242	U		0.0135	0.0388	1	05/30/2024 23:01	WG2294622
PCB 1248	U		0.00842	0.0194	1	05/30/2024 23:01	WG2294622
PCB 1254	U		0.00842	0.0194	1	05/30/2024 23:01	WG2294622
PCB 1260	U		0.00842	0.0194	1	05/30/2024 23:01	WG2294622
(S) Decachlorobiphenyl	*74.7*			*10.0-135*		*05/30/2024 23:01*	WG2294622
(S) Tetrachloro-m-xylene	*73.8*			*10.0-139*		*05/30/2024 23:01*	WG2294622

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0615	0.380	10	05/31/2024 22:47	WG2295243
Acenaphthylene	U		0.0535	0.380	10	05/31/2024 22:47	WG2295243
Anthracene	U		0.0677	0.380	10	05/31/2024 22:47	WG2295243
Benzidine	U		0.714	19.1	10	05/31/2024 22:47	WG2295243
Benzo(a)anthracene	0.237	J	0.0670	0.380	10	05/31/2024 22:47	WG2295243
Benzo(b)fluoranthene	0.427		0.0709	0.380	10	05/31/2024 22:47	WG2295243
Benzo(k)fluoranthene	0.132	J	0.0676	0.380	10	05/31/2024 22:47	WG2295243
Benzo(g,h,i)perylene	0.213	J	0.0695	0.380	10	05/31/2024 22:47	WG2295243
Benzo(a)pyrene	0.301	J	0.0706	0.380	10	05/31/2024 22:47	WG2295243
Bis(2-chlorethoxy)methane	U		0.114	3.80	10	05/31/2024 22:47	WG2295243
Bis(2-chloroethyl)ether	U		0.126	3.80	10	05/31/2024 22:47	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.164	3.80	10	05/31/2024 22:47	WG2295243
4-Bromophenyl-phenylether	U		0.134	3.80	10	05/31/2024 22:47	WG2295243
2-Chloronaphthalene	U		0.0668	0.380	10	05/31/2024 22:47	WG2295243
4-Chlorophenyl-phenylether	U		0.132	3.80	10	05/31/2024 22:47	WG2295243
Chrysene	0.314	J	0.0755	0.380	10	05/31/2024 22:47	WG2295243
Dibenz(a,h)anthracene	U		0.105	0.380	10	05/31/2024 22:47	WG2295243
1,2-Dichlorobenzene	U		0.113	3.80	10	05/31/2024 22:47	WG2295243
1,3-Dichlorobenzene	U		0.115	3.80	10	05/31/2024 22:47	WG2295243
1,4-Dichlorobenzene	U		0.113	3.80	10	05/31/2024 22:47	WG2295243
3,3-Dichlorobenzidine	U		0.140	3.80	10	05/31/2024 22:47	WG2295243
2,4-Dinitrotoluene	U		0.109	3.80	10	05/31/2024 22:47	WG2295243
2,6-Dinitrotoluene	U		0.124	3.80	10	05/31/2024 22:47	WG2295243
Fluoranthene	0.229	J	0.0686	0.380	10	05/31/2024 22:47	WG2295243
Fluorene	U		0.0619	0.380	10	05/31/2024 22:47	WG2295243
Hexachlorobenzene	U		0.135	3.80	10	05/31/2024 22:47	WG2295243
Hexachloro-1,3-butadiene	U		0.128	3.80	10	05/31/2024 22:47	WG2295243
Hexachlorocyclopentadiene	U		0.200	3.80	10	05/31/2024 22:47	WG2295243
Hexachloroethane	U		0.149	3.80	10	05/31/2024 22:47	WG2295243
Indeno(1,2,3-cd)pyrene	0.218	J	0.107	0.380	10	05/31/2024 22:47	WG2295243
Isophorone	U		0.116	3.80	10	05/31/2024 22:47	WG2295243
Naphthalene	U		0.0954	0.380	10	05/31/2024 22:47	WG2295243
Nitrobenzene	U		0.132	3.80	10	05/31/2024 22:47	WG2295243
n-Nitrosodimethylamine	U		0.564	3.80	10	05/31/2024 22:47	WG2295243
n-Nitrosodiphenylamine	U		0.288	3.80	10	05/31/2024 22:47	WG2295243
n-Nitrosodi-n-propylamine	U		0.127	3.80	10	05/31/2024 22:47	WG2295243
Phenanthrene	0.0882	J	0.0754	0.380	10	05/31/2024 22:47	WG2295243
Benzylbutyl phthalate	U		0.119	3.80	10	05/31/2024 22:47	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.482	3.80	10	05/31/2024 22:47	WG2295243
Di-n-butyl phthalate	U		0.130	3.80	10	05/31/2024 22:47	WG2295243
Diethyl phthalate	U		0.126	3.80	10	05/31/2024 22:47	WG2295243
Dimethyl phthalate	U		0.806	3.80	10	05/31/2024 22:47	WG2295243
Di-n-octyl phthalate	U		0.257	3.80	10	05/31/2024 22:47	WG2295243
Pyrene	0.272	J	0.0739	0.380	10	05/31/2024 22:47	WG2295243
1,2,4-Trichlorobenzene	U		0.119	3.80	10	05/31/2024 22:47	WG2295243
4-Chloro-3-methylphenol	U		0.123	3.80	10	05/31/2024 22:47	WG2295243
2-Chlorophenol	U		0.126	3.80	10	05/31/2024 22:47	WG2295243
2,4-Dichlorophenol	U		0.111	3.80	10	05/31/2024 22:47	WG2295243
2,4-Dimethylphenol	U		0.0993	3.80	10	05/31/2024 22:47	WG2295243
4,6-Dinitro-2-methylphenol	U		0.862	3.80	10	05/31/2024 22:47	WG2295243
2,4-Dinitrophenol	U		0.889	3.80	10	05/31/2024 22:47	WG2295243
2-Nitrophenol	U		0.136	3.80	10	05/31/2024 22:47	WG2295243
4-Nitrophenol	U		0.119	3.80	10	05/31/2024 22:47	WG2295243
Pentachlorophenol	U		0.102	3.80	10	05/31/2024 22:47	WG2295243
Phenol	U		0.153	3.80	10	05/31/2024 22:47	WG2295243
2,4,6-Trichlorophenol	U		0.122	3.80	10	05/31/2024 22:47	WG2295243
(S) 2-Fluorophenol	*80.0*			*12.0-120*		*05/31/2024 22:47*	WG2295243
(S) Phenol-d5	*76.7*			*10.0-120*		*05/31/2024 22:47*	WG2295243
(S) Nitrobenzene-d5	*64.1*			*10.0-122*		*05/31/2024 22:47*	WG2295243
(S) 2-Fluorobiphenyl	*74.9*			*15.0-120*		*05/31/2024 22:47*	WG2295243
(S) 2,4,6-Tribromophenol	*73.5*			*10.0-127*		*05/31/2024 22:47*	WG2295243
(S) p-Terphenyl-d14	*81.9*			*10.0-120*		*05/31/2024 22:47*	WG2295243

Sample Narrative:

L1739664-07 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.287		0.0206	0.0457	1	05/26/2024 22:22	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.622	2.29	1	06/01/2024 19:11	WG2293711
Arsenic	13.4		0.592	2.29	1	06/01/2024 19:11	WG2293711
Barium	177		0.0973	0.571	1	06/01/2024 19:11	WG2293711
Beryllium	0.330		0.0360	0.229	1	06/01/2024 19:11	WG2293711
Cadmium	0.262	J	0.0538	0.571	1	06/01/2024 19:11	WG2293711
Chromium	29.3		0.152	1.14	1	06/01/2024 19:11	WG2293711
Cobalt	7.73		0.0927	1.14	1	06/01/2024 19:11	WG2293711
Copper	47.3		0.457	2.29	1	06/01/2024 19:11	WG2293711
Lead	83.5		0.238	0.571	1	06/01/2024 19:11	WG2293711
Molybdenum	0.212	J	0.125	0.571	1	06/01/2024 19:11	WG2293711
Nickel	38.1		0.151	2.29	1	06/01/2024 19:11	WG2293711
Selenium	U		0.873	2.29	1	06/01/2024 19:11	WG2293711
Silver	2.45		0.145	1.14	1	06/01/2024 19:11	WG2293711
Thallium	1.51	J	0.450	2.29	1	06/01/2024 19:11	WG2293711
Vanadium	30.5		0.578	2.29	1	06/01/2024 19:11	WG2293711
Zinc	143		0.951	5.71	1	06/01/2024 19:11	WG2293711

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0483	0.0662	1	05/31/2024 11:49	WG2294587
Acrylonitrile	U		0.00478	0.0165	1	05/31/2024 11:49	WG2294587
Benzene	U		0.000618	0.00132	1	05/31/2024 11:49	WG2294587
Bromobenzene	U		0.00119	0.0165	1	05/31/2024 11:49	WG2294587
Bromodichloromethane	U		0.000960	0.00331	1	05/31/2024 11:49	WG2294587
Bromoform	U		0.00155	0.0331	1	05/31/2024 11:49	WG2294587
Bromomethane	U	J3	0.00261	0.0165	1	05/31/2024 11:49	WG2294587
n-Butylbenzene	U		0.00695	0.0165	1	05/31/2024 11:49	WG2294587
sec-Butylbenzene	U		0.00381	0.0165	1	05/31/2024 11:49	WG2294587
tert-Butylbenzene	U		0.00258	0.00662	1	05/31/2024 11:49	WG2294587
Carbon tetrachloride	U		0.00119	0.00662	1	05/31/2024 11:49	WG2294587
Chlorobenzene	U		0.000278	0.00331	1	05/31/2024 11:49	WG2294587
Chlorodibromomethane	U		0.000810	0.00331	1	05/31/2024 11:49	WG2294587
Chloroethane	U		0.00225	0.00662	1	05/31/2024 11:49	WG2294587
Chloroform	U		0.00136	0.00331	1	05/31/2024 11:49	WG2294587
Chloromethane	U		0.00576	0.0165	1	05/31/2024 11:49	WG2294587
2-Chlorotoluene	U		0.00115	0.00331	1	05/31/2024 11:49	WG2294587
4-Chlorotoluene	U		0.000596	0.00662	1	05/31/2024 11:49	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00516	0.0331	1	05/31/2024 11:49	WG2294587
1,2-Dibromoethane	U		0.000858	0.00331	1	05/31/2024 11:49	WG2294587
Dibromomethane	U		0.000993	0.00662	1	05/31/2024 11:49	WG2294587
1,2-Dichlorobenzene	U		0.000563	0.00662	1	05/31/2024 11:49	WG2294587
1,3-Dichlorobenzene	U		0.000794	0.00662	1	05/31/2024 11:49	WG2294587
1,4-Dichlorobenzene	U		0.000927	0.00662	1	05/31/2024 11:49	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U	J3	0.00213	0.00662	1	05/31/2024 11:49	WG2294587
1,1-Dichloroethane	U		0.000650	0.00331	1	05/31/2024 11:49	WG2294587
1,2-Dichloroethane	U		0.000859	0.00331	1	05/31/2024 11:49	WG2294587
1,1-Dichloroethene	U		0.000802	0.00331	1	05/31/2024 11:49	WG2294587
cis-1,2-Dichloroethene	U		0.000972	0.00331	1	05/31/2024 11:49	WG2294587
trans-1,2-Dichloroethene	U		0.00138	0.00662	1	05/31/2024 11:49	WG2294587
1,2-Dichloropropane	U		0.00188	0.00662	1	05/31/2024 11:49	WG2294587
1,1-Dichloropropene	U		0.00107	0.00331	1	05/31/2024 11:49	WG2294587
1,3-Dichloropropane	U		0.000663	0.00662	1	05/31/2024 11:49	WG2294587
cis-1,3-Dichloropropene	U		0.00100	0.00331	1	05/31/2024 11:49	WG2294587
trans-1,3-Dichloropropene	U		0.00151	0.00662	1	05/31/2024 11:49	WG2294587
2,2-Dichloropropane	U		0.00183	0.00331	1	05/31/2024 11:49	WG2294587
Di-isopropyl ether	U		0.000543	0.00132	1	05/31/2024 11:49	WG2294587
Ethylbenzene	U		0.000976	0.00331	1	05/31/2024 11:49	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00794	0.0331	1	05/31/2024 11:49	WG2294587
Isopropylbenzene	U		0.000563	0.00331	1	05/31/2024 11:49	WG2294587
p-Isopropyltoluene	U		0.00338	0.00662	1	05/31/2024 11:49	WG2294587
2-Butanone (MEK)	U		0.0841	0.132	1	05/31/2024 11:49	WG2294587
Methylene Chloride	0.00952	J	0.00879	0.0331	1	05/31/2024 11:49	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00302	0.0331	1	05/31/2024 11:49	WG2294587
Methyl tert-butyl ether	U		0.000463	0.00132	1	05/31/2024 11:49	WG2294587
Naphthalene	U		0.00646	0.0165	1	05/31/2024 11:49	WG2294587
n-Propylbenzene	U		0.00126	0.00662	1	05/31/2024 11:49	WG2294587
Styrene	U		0.000303	0.0165	1	05/31/2024 11:49	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00125	0.00331	1	05/31/2024 11:49	WG2294587
1,1,2,2-Tetrachloroethane	U		0.000920	0.00331	1	05/31/2024 11:49	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.000998	0.00331	1	05/31/2024 11:49	WG2294587
Tetrachloroethene	U		0.00119	0.00331	1	05/31/2024 11:49	WG2294587
Toluene	U		0.00172	0.00662	1	05/31/2024 11:49	WG2294587
1,2,3-Trichlorobenzene	U		0.00970	0.0165	1	05/31/2024 11:49	WG2294587
1,2,4-Trichlorobenzene	U		0.00582	0.0165	1	05/31/2024 11:49	WG2294587
1,1,1-Trichloroethane	U		0.00122	0.00331	1	05/31/2024 11:49	WG2294587
1,1,2-Trichloroethane	U		0.000790	0.00331	1	05/31/2024 11:49	WG2294587
Trichloroethene	U		0.000773	0.00132	1	05/31/2024 11:49	WG2294587
Trichlorofluoromethane	U		0.00109	0.00331	1	05/31/2024 11:49	WG2294587
1,2,3-Trichloropropane	U		0.00214	0.0165	1	05/31/2024 11:49	WG2294587
1,2,4-Trimethylbenzene	U		0.00209	0.00662	1	05/31/2024 11:49	WG2294587
1,2,3-Trimethylbenzene	U		0.00209	0.00662	1	05/31/2024 11:49	WG2294587
1,3,5-Trimethylbenzene	U		0.00265	0.00662	1	05/31/2024 11:49	WG2294587
Vinyl chloride	U	J3	0.00154	0.00331	1	05/31/2024 11:49	WG2294587
Xylenes, Total	0.00263	J	0.00116	0.00860	1	05/31/2024 11:49	WG2294587
(S) Toluene-d8	*102*			*75.0-131*		*05/31/2024 11:49*	WG2294587
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/31/2024 11:49*	WG2294587
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*05/31/2024 11:49*	WG2294587

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0616	0.380	10	06/02/2024 10:59	WG2295243
Acenaphthylene	U		0.0536	0.380	10	06/02/2024 10:59	WG2295243
Anthracene	U		0.0678	0.380	10	06/02/2024 10:59	WG2295243
Benzidine	U		0.715	19.1	10	06/02/2024 10:59	WG2295243
Benzo(a)anthracene	0.608		0.0671	0.380	10	06/02/2024 10:59	WG2295243
Benzo(b)fluoranthene	1.13		0.0710	0.380	10	06/02/2024 10:59	WG2295243
Benzo(k)fluoranthene	0.359	J	0.0676	0.380	10	06/02/2024 10:59	WG2295243
Benzo(g,h,i)perylene	0.481		0.0696	0.380	10	06/02/2024 10:59	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.704		0.0707	0.380	10	06/02/2024 10:59	WG2295243
Bis(2-chlorethoxy)methane	U		0.114	3.80	10	06/02/2024 10:59	WG2295243
Bis(2-chloroethyl)ether	U		0.126	3.80	10	06/02/2024 10:59	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.165	3.80	10	06/02/2024 10:59	WG2295243
4-Bromophenyl-phenylether	U		0.134	3.80	10	06/02/2024 10:59	WG2295243
2-Chloronaphthalene	U		0.0668	0.380	10	06/02/2024 10:59	WG2295243
4-Chlorophenyl-phenylether	U		0.133	3.80	10	06/02/2024 10:59	WG2295243
Chrysene	0.961		0.0756	0.380	10	06/02/2024 10:59	WG2295243
Dibenz(a,h)anthracene	0.165	J	0.105	0.380	10	06/02/2024 10:59	WG2295243
1,2-Dichlorobenzene	U		0.113	3.80	10	06/02/2024 10:59	WG2295243
1,3-Dichlorobenzene	U		0.115	3.80	10	06/02/2024 10:59	WG2295243
1,4-Dichlorobenzene	U		0.113	3.80	10	06/02/2024 10:59	WG2295243
3,3-Dichlorobenzidine	U		0.141	3.80	10	06/02/2024 10:59	WG2295243
2,4-Dinitrotoluene	U		0.109	3.80	10	06/02/2024 10:59	WG2295243
2,6-Dinitrotoluene	U		0.125	3.80	10	06/02/2024 10:59	WG2295243
Fluoranthene	0.604		0.0687	0.380	10	06/02/2024 10:59	WG2295243
Fluorene	U		0.0619	0.380	10	06/02/2024 10:59	WG2295243
Hexachlorobenzene	U		0.135	3.80	10	06/02/2024 10:59	WG2295243
Hexachloro-1,3-butadiene	U		0.128	3.80	10	06/02/2024 10:59	WG2295243
Hexachlorocyclopentadiene	U		0.200	3.80	10	06/02/2024 10:59	WG2295243
Hexachloroethane	U		0.150	3.80	10	06/02/2024 10:59	WG2295243
Indeno(1,2,3-cd)pyrene	0.471		0.108	0.380	10	06/02/2024 10:59	WG2295243
Isophorone	U		0.117	3.80	10	06/02/2024 10:59	WG2295243
Naphthalene	U		0.0955	0.380	10	06/02/2024 10:59	WG2295243
Nitrobenzene	U		0.133	3.80	10	06/02/2024 10:59	WG2295243
n-Nitrosodimethylamine	U		0.564	3.80	10	06/02/2024 10:59	WG2295243
n-Nitrosodiphenylamine	U		0.288	3.80	10	06/02/2024 10:59	WG2295243
n-Nitrosodi-n-propylamine	U		0.127	3.80	10	06/02/2024 10:59	WG2295243
Phenanthrene	0.199	J	0.0755	0.380	10	06/02/2024 10:59	WG2295243
Benzylbutyl phthalate	U		0.119	3.80	10	06/02/2024 10:59	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.482	3.80	10	06/02/2024 10:59	WG2295243
Di-n-butyl phthalate	U		0.130	3.80	10	06/02/2024 10:59	WG2295243
Diethyl phthalate	U		0.126	3.80	10	06/02/2024 10:59	WG2295243
Dimethyl phthalate	U		0.807	3.80	10	06/02/2024 10:59	WG2295243
Di-n-octyl phthalate	U		0.257	3.80	10	06/02/2024 10:59	WG2295243
Pyrene	0.684		0.0740	0.380	10	06/02/2024 10:59	WG2295243
1,2,4-Trichlorobenzene	U		0.119	3.80	10	06/02/2024 10:59	WG2295243
4-Chloro-3-methylphenol	U		0.123	3.80	10	06/02/2024 10:59	WG2295243
2-Chlorophenol	U		0.126	3.80	10	06/02/2024 10:59	WG2295243
2,4-Dichlorophenol	U		0.111	3.80	10	06/02/2024 10:59	WG2295243
2,4-Dimethylphenol	U		0.0994	3.80	10	06/02/2024 10:59	WG2295243
4,6-Dinitro-2-methylphenol	U		0.863	3.80	10	06/02/2024 10:59	WG2295243
2,4-Dinitrophenol	U		0.890	3.80	10	06/02/2024 10:59	WG2295243
2-Nitrophenol	U		0.136	3.80	10	06/02/2024 10:59	WG2295243
4-Nitrophenol	U		0.119	3.80	10	06/02/2024 10:59	WG2295243
Pentachlorophenol	U		0.102	3.80	10	06/02/2024 10:59	WG2295243
Phenol	U		0.153	3.80	10	06/02/2024 10:59	WG2295243
2,4,6-Trichlorophenol	U		0.122	3.80	10	06/02/2024 10:59	WG2295243
(S) 2-Fluorophenol	*68.6*			*12.0-120*		*06/02/2024 10:59*	WG2295243
(S) Phenol-d5	*62.2*			*10.0-120*		*06/02/2024 10:59*	WG2295243
(S) Nitrobenzene-d5	*61.9*			*10.0-122*		*06/02/2024 10:59*	WG2295243
(S) 2-Fluorobiphenyl	*73.0*			*15.0-120*		*06/02/2024 10:59*	WG2295243
(S) 2,4,6-Tribromophenol	*77.6*			*10.0-127*		*06/02/2024 10:59*	WG2295243
(S) p-Terphenyl-d14	*72.1*			*10.0-120*		*06/02/2024 10:59*	WG2295243

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1739664-08 WG2295243: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.119		0.0213	0.0474	1	05/26/2024 22:24	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.645	2.37	1	06/01/2024 19:13	WG2293711
Arsenic	3.78		0.614	2.37	1	06/01/2024 19:13	WG2293711
Barium	183		0.101	0.593	1	06/01/2024 19:13	WG2293711
Beryllium	0.316		0.0373	0.237	1	06/01/2024 19:13	WG2293711
Cadmium	0.245	J	0.0558	0.593	1	06/01/2024 19:13	WG2293711
Chromium	40.2		0.158	1.19	1	06/01/2024 19:13	WG2293711
Cobalt	12.6		0.0961	1.19	1	06/01/2024 19:13	WG2293711
Copper	59.0		0.474	2.37	1	06/01/2024 19:13	WG2293711
Lead	98.2		0.247	0.593	1	06/01/2024 19:13	WG2293711
Molybdenum	0.148	J	0.129	0.593	1	06/01/2024 19:13	WG2293711
Nickel	73.3		0.156	2.37	1	06/01/2024 19:13	WG2293711
Selenium	U		0.905	2.37	1	06/01/2024 19:13	WG2293711
Silver	1.11	J	0.151	1.19	1	06/01/2024 19:13	WG2293711
Thallium	2.05	J	0.467	2.37	1	06/01/2024 19:13	WG2293711
Vanadium	44.7		0.600	2.37	1	06/01/2024 19:13	WG2293711
Zinc	127		0.986	5.93	1	06/01/2024 19:13	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.53	B J	1.17	3.53	25	05/28/2024 13:15	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*		*05/28/2024 13:15*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0507	0.0695	1	05/31/2024 12:08	WG2294587
Acrylonitrile	U		0.00502	0.0174	1	05/31/2024 12:08	WG2294587
Benzene	U		0.000649	0.00139	1	05/31/2024 12:08	WG2294587
Bromobenzene	U		0.00125	0.0174	1	05/31/2024 12:08	WG2294587
Bromodichloromethane	U		0.00101	0.00348	1	05/31/2024 12:08	WG2294587
Bromoform	U		0.00163	0.0348	1	05/31/2024 12:08	WG2294587
Bromomethane	U	J3	0.00274	0.0174	1	05/31/2024 12:08	WG2294587
n-Butylbenzene	U		0.00730	0.0174	1	05/31/2024 12:08	WG2294587
sec-Butylbenzene	U		0.00400	0.0174	1	05/31/2024 12:08	WG2294587
tert-Butylbenzene	U		0.00271	0.00695	1	05/31/2024 12:08	WG2294587
Carbon tetrachloride	U		0.00125	0.00695	1	05/31/2024 12:08	WG2294587
Chlorobenzene	U		0.000292	0.00348	1	05/31/2024 12:08	WG2294587
Chlorodibromomethane	U		0.000851	0.00348	1	05/31/2024 12:08	WG2294587
Chloroethane	U		0.00236	0.00695	1	05/31/2024 12:08	WG2294587
Chloroform	U		0.00143	0.00348	1	05/31/2024 12:08	WG2294587
Chloromethane	U		0.00605	0.0174	1	05/31/2024 12:08	WG2294587
2-Chlorotoluene	U		0.00120	0.00348	1	05/31/2024 12:08	WG2294587
4-Chlorotoluene	U		0.000626	0.00695	1	05/31/2024 12:08	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00542	0.0348	1	05/31/2024 12:08	WG2294587
1,2-Dibromoethane	U		0.000901	0.00348	1	05/31/2024 12:08	WG2294587
Dibromomethane	U		0.00104	0.00695	1	05/31/2024 12:08	WG2294587
1,2-Dichlorobenzene	U		0.000591	0.00695	1	05/31/2024 12:08	WG2294587
1,3-Dichlorobenzene	U		0.000834	0.00695	1	05/31/2024 12:08	WG2294587
1,4-Dichlorobenzene	U		0.000973	0.00695	1	05/31/2024 12:08	WG2294587
Dichlorodifluoromethane	U	J3	0.00224	0.00695	1	05/31/2024 12:08	WG2294587
1,1-Dichloroethane	U		0.000683	0.00348	1	05/31/2024 12:08	WG2294587
1,2-Dichloroethane	U		0.000902	0.00348	1	05/31/2024 12:08	WG2294587
1,1-Dichloroethene	U		0.000843	0.00348	1	05/31/2024 12:08	WG2294587
cis-1,2-Dichloroethene	U		0.00102	0.00348	1	05/31/2024 12:08	WG2294587
trans-1,2-Dichloroethene	U		0.00145	0.00695	1	05/31/2024 12:08	WG2294587
1,2-Dichloropropane	U		0.00197	0.00695	1	05/31/2024 12:08	WG2294587
1,1-Dichloropropene	U		0.00112	0.00348	1	05/31/2024 12:08	WG2294587
1,3-Dichloropropane	U		0.000697	0.00695	1	05/31/2024 12:08	WG2294587
cis-1,3-Dichloropropene	U		0.00105	0.00348	1	05/31/2024 12:08	WG2294587
trans-1,3-Dichloropropene	U		0.00159	0.00695	1	05/31/2024 12:08	WG2294587
2,2-Dichloropropane	U		0.00192	0.00348	1	05/31/2024 12:08	WG2294587
Di-isopropyl ether	U		0.000570	0.00139	1	05/31/2024 12:08	WG2294587
Ethylbenzene	U		0.00102	0.00348	1	05/31/2024 12:08	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00834	0.0348	1	05/31/2024 12:08	WG2294587
Isopropylbenzene	U		0.000591	0.00348	1	05/31/2024 12:08	WG2294587
p-Isopropyltoluene	U		0.00355	0.00695	1	05/31/2024 12:08	WG2294587
2-Butanone (MEK)	U		0.0883	0.139	1	05/31/2024 12:08	WG2294587
Methylene Chloride	0.0116	J	0.00923	0.0348	1	05/31/2024 12:08	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00317	0.0348	1	05/31/2024 12:08	WG2294587
Methyl tert-butyl ether	U		0.000487	0.00139	1	05/31/2024 12:08	WG2294587
Naphthalene	0.0165	J	0.00679	0.0174	1	05/31/2024 12:08	WG2294587
n-Propylbenzene	U		0.00132	0.00695	1	05/31/2024 12:08	WG2294587
Styrene	U		0.000318	0.0174	1	05/31/2024 12:08	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00132	0.00348	1	05/31/2024 12:08	WG2294587
1,1,2,2-Tetrachloroethane	U		0.000966	0.00348	1	05/31/2024 12:08	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00105	0.00348	1	05/31/2024 12:08	WG2294587
Tetrachloroethene	U		0.00125	0.00348	1	05/31/2024 12:08	WG2294587
Toluene	U		0.00181	0.00695	1	05/31/2024 12:08	WG2294587
1,2,3-Trichlorobenzene	U		0.0102	0.0174	1	05/31/2024 12:08	WG2294587
1,2,4-Trichlorobenzene	U		0.00612	0.0174	1	05/31/2024 12:08	WG2294587
1,1,1-Trichloroethane	U		0.00128	0.00348	1	05/31/2024 12:08	WG2294587
1,1,2-Trichloroethane	U		0.000830	0.00348	1	05/31/2024 12:08	WG2294587
Trichloroethene	U		0.000812	0.00139	1	05/31/2024 12:08	WG2294587
Trichlorofluoromethane	U		0.00115	0.00348	1	05/31/2024 12:08	WG2294587
1,2,3-Trichloropropane	U		0.00225	0.0174	1	05/31/2024 12:08	WG2294587
1,2,4-Trimethylbenzene	0.00478	J	0.00220	0.00695	1	05/31/2024 12:08	WG2294587
1,2,3-Trimethylbenzene	0.00648	J	0.00220	0.00695	1	05/31/2024 12:08	WG2294587
1,3,5-Trimethylbenzene	U		0.00278	0.00695	1	05/31/2024 12:08	WG2294587
Vinyl chloride	U	J3	0.00161	0.00348	1	05/31/2024 12:08	WG2294587
Xylenes, Total	0.00442	J	0.00122	0.00904	1	05/31/2024 12:08	WG2294587
(S) Toluene-d8	*100*			*75.0-131*		*05/31/2024 12:08*	WG2294587
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/31/2024 12:08*	WG2294587
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*05/31/2024 12:08*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		17.4	94.8	20	05/30/2024 20:26	WG2295239
C22-C32 Hydrocarbons	124		31.5	94.8	20	05/30/2024 20:26	WG2295239
C32-C40 Hydrocarbons	172		31.5	94.8	20	05/30/2024 20:26	WG2295239
(S) o-Terphenyl	*62.8*	J7		*18.0-148*		*05/30/2024 20:26*	WG2295239

Sample Narrative:

L1739664-09 WG2295239: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0639	0.395	10	05/31/2024 22:23	WG2295243
Acenaphthylene	U		0.0556	0.395	10	05/31/2024 22:23	WG2295243
Anthracene	0.0823	J	0.0703	0.395	10	05/31/2024 22:23	WG2295243
Benzidine	U		0.742	19.8	10	05/31/2024 22:23	WG2295243
Benzo(a)anthracene	1.36		0.0696	0.395	10	05/31/2024 22:23	WG2295243
Benzo(b)fluoranthene	2.39		0.0736	0.395	10	05/31/2024 22:23	WG2295243
Benzo(k)fluoranthene	0.738		0.0702	0.395	10	05/31/2024 22:23	WG2295243
Benzo(g,h,i)perylene	1.10		0.0722	0.395	10	05/31/2024 22:23	WG2295243
Benzo(a)pyrene	1.55		0.0734	0.395	10	05/31/2024 22:23	WG2295243
Bis(2-chlorethoxy)methane	U		0.119	3.95	10	05/31/2024 22:23	WG2295243
Bis(2-chloroethyl)ether	U		0.130	3.95	10	05/31/2024 22:23	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.171	3.95	10	05/31/2024 22:23	WG2295243
4-Bromophenyl-phenylether	U		0.139	3.95	10	05/31/2024 22:23	WG2295243
2-Chloronaphthalene	U		0.0693	0.395	10	05/31/2024 22:23	WG2295243
4-Chlorophenyl-phenylether	U		0.137	3.95	10	05/31/2024 22:23	WG2295243
Chrysene	2.09		0.0785	0.395	10	05/31/2024 22:23	WG2295243
Dibenz(a,h)anthracene	0.380	J	0.109	0.395	10	05/31/2024 22:23	WG2295243
1,2-Dichlorobenzene	U		0.117	3.95	10	05/31/2024 22:23	WG2295243
1,3-Dichlorobenzene	U		0.120	3.95	10	05/31/2024 22:23	WG2295243
1,4-Dichlorobenzene	U		0.117	3.95	10	05/31/2024 22:23	WG2295243
3,3-Dichlorobenzidine	U		0.146	3.95	10	05/31/2024 22:23	WG2295243
2,4-Dinitrotoluene	U		0.113	3.95	10	05/31/2024 22:23	WG2295243
2,6-Dinitrotoluene	U		0.129	3.95	10	05/31/2024 22:23	WG2295243
Fluoranthene	1.22		0.0712	0.395	10	05/31/2024 22:23	WG2295243
Fluorene	U		0.0642	0.395	10	05/31/2024 22:23	WG2295243
Hexachlorobenzene	U		0.140	3.95	10	05/31/2024 22:23	WG2295243
Hexachloro-1,3-butadiene	U		0.133	3.95	10	05/31/2024 22:23	WG2295243
Hexachlorocyclopentadiene	U		0.207	3.95	10	05/31/2024 22:23	WG2295243
Hexachloroethane	U		0.155	3.95	10	05/31/2024 22:23	WG2295243
Indeno(1,2,3-cd)pyrene	1.27		0.112	0.395	10	05/31/2024 22:23	WG2295243
Isophorone	U		0.121	3.95	10	05/31/2024 22:23	WG2295243
Naphthalene	0.0996	J	0.0991	0.395	10	05/31/2024 22:23	WG2295243
Nitrobenzene	U		0.137	3.95	10	05/31/2024 22:23	WG2295243
n-Nitrosodimethylamine	U		0.585	3.95	10	05/31/2024 22:23	WG2295243
n-Nitrosodiphenylamine	U		0.299	3.95	10	05/31/2024 22:23	WG2295243
n-Nitrosodi-n-propylamine	U		0.132	3.95	10	05/31/2024 22:23	WG2295243
Phenanthrene	0.389	J	0.0783	0.395	10	05/31/2024 22:23	WG2295243
Benzylbutyl phthalate	U		0.123	3.95	10	05/31/2024 22:23	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.500	3.95	10	05/31/2024 22:23	WG2295243
Di-n-butyl phthalate	U		0.135	3.95	10	05/31/2024 22:23	WG2295243
Diethyl phthalate	U		0.130	3.95	10	05/31/2024 22:23	WG2295243
Dimethyl phthalate	U		0.837	3.95	10	05/31/2024 22:23	WG2295243
Di-n-octyl phthalate	U		0.267	3.95	10	05/31/2024 22:23	WG2295243
Pyrene	1.49		0.0768	0.395	10	05/31/2024 22:23	WG2295243
1,2,4-Trichlorobenzene	U		0.123	3.95	10	05/31/2024 22:23	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.128	3.95	10	05/31/2024 22:23	WG2295243
2-Chlorophenol	U		0.130	3.95	10	05/31/2024 22:23	WG2295243
2,4-Dichlorophenol	U		0.115	3.95	10	05/31/2024 22:23	WG2295243
2,4-Dimethylphenol	U		0.103	3.95	10	05/31/2024 22:23	WG2295243
4,6-Dinitro-2-methylphenol	U		0.895	3.95	10	05/31/2024 22:23	WG2295243
2,4-Dinitrophenol	U		0.923	3.95	10	05/31/2024 22:23	WG2295243
2-Nitrophenol	U		0.141	3.95	10	05/31/2024 22:23	WG2295243
4-Nitrophenol	U		0.123	3.95	10	05/31/2024 22:23	WG2295243
Pentachlorophenol	U		0.106	3.95	10	05/31/2024 22:23	WG2295243
Phenol	U		0.159	3.95	10	05/31/2024 22:23	WG2295243
2,4,6-Trichlorophenol	U		0.127	3.95	10	05/31/2024 22:23	WG2295243
(S) 2-Fluorophenol	*77.9*			*12.0-120*		*05/31/2024 22:23*	WG2295243
(S) Phenol-d5	*75.5*			*10.0-120*		*05/31/2024 22:23*	WG2295243
(S) Nitrobenzene-d5	*65.4*			*10.0-122*		*05/31/2024 22:23*	WG2295243
(S) 2-Fluorobiphenyl	*77.1*			*15.0-120*		*05/31/2024 22:23*	WG2295243
(S) 2,4,6-Tribromophenol	*70.0*			*10.0-127*		*05/31/2024 22:23*	WG2295243
(S) p-Terphenyl-d14	*84.3*			*10.0-120*		*05/31/2024 22:23*	WG2295243

Sample Narrative:

L1739664-09 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	06/06/2024 09:58	WG2299600

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.17	B J	0.958	2.88	25.5	06/05/2024 23:14	WG2299418
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/05/2024 23:14*	WG2299418

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	79.3	J	78.2	426	100	06/06/2024 10:43	WG2299427
C22-C32 Hydrocarbons	890		142	426	100	06/06/2024 10:43	WG2299427
C32-C40 Hydrocarbons	1430		142	426	100	06/06/2024 10:43	WG2299427
(S) o-Terphenyl	*71.5*	J7		*18.0-148*		*06/06/2024 10:43*	WG2299427

Sample Narrative:

L1739664-10 WG2299427: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.288	1.78	50	06/06/2024 18:55	WG2298678
Acenaphthylene	U		0.249	1.78	50	06/06/2024 18:55	WG2298678
Anthracene	U		0.317	1.78	50	06/06/2024 18:55	WG2298678
Benzidine	U		3.34	89.0	50	06/06/2024 18:55	WG2298678
Benzo(a)anthracene	U		0.312	1.78	50	06/06/2024 18:55	WG2298678
Benzo(b)fluoranthene	U		0.332	1.78	50	06/06/2024 18:55	WG2298678
Benzo(k)fluoranthene	U		0.316	1.78	50	06/06/2024 18:55	WG2298678
Benzo(g,h,i)perylene	U		0.325	1.78	50	06/06/2024 18:55	WG2298678
Benzo(a)pyrene	U		0.329	1.78	50	06/06/2024 18:55	WG2298678
Bis(2-chlorethoxy)methane	U		0.533	17.8	50	06/06/2024 18:55	WG2298678
Bis(2-chloroethyl)ether	U		0.586	17.8	50	06/06/2024 18:55	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.768	17.8	50	06/06/2024 18:55	WG2298678
4-Bromophenyl-phenylether	U		0.624	17.8	50	06/06/2024 18:55	WG2298678
2-Chloronaphthalene	U		0.312	1.78	50	06/06/2024 18:55	WG2298678
4-Chlorophenyl-phenylether	U		0.618	17.8	50	06/06/2024 18:55	WG2298678
Chrysene	U		0.353	1.78	50	06/06/2024 18:55	WG2298678
Dibenz(a,h)anthracene	U		0.493	1.78	50	06/06/2024 18:55	WG2298678
1,2-Dichlorobenzene	U		0.527	17.8	50	06/06/2024 18:55	WG2298678
1,3-Dichlorobenzene	U		0.538	17.8	50	06/06/2024 18:55	WG2298678
1,4-Dichlorobenzene	U		0.529	17.8	50	06/06/2024 18:55	WG2298678
3,3-Dichlorobenzidine	U		0.656	17.8	50	06/06/2024 18:55	WG2298678
2,4-Dinitrotoluene	U		0.509	17.8	50	06/06/2024 18:55	WG2298678
2,6-Dinitrotoluene	U		0.581	17.8	50	06/06/2024 18:55	WG2298678
Fluoranthene	U		0.321	1.78	50	06/06/2024 18:55	WG2298678
Fluorene	U		0.289	1.78	50	06/06/2024 18:55	WG2298678
Hexachlorobenzene	U		0.629	17.8	50	06/06/2024 18:55	WG2298678
Hexachloro-1,3-butadiene	U		0.597	17.8	50	06/06/2024 18:55	WG2298678
Hexachlorocyclopentadiene	U		0.933	17.8	50	06/06/2024 18:55	WG2298678
Hexachloroethane	U		0.698	17.8	50	06/06/2024 18:55	WG2298678
Indeno(1,2,3-cd)pyrene	U		0.502	1.78	50	06/06/2024 18:55	WG2298678
Isophorone	U		0.544	17.8	50	06/06/2024 18:55	WG2298678
Naphthalene	U		0.446	1.78	50	06/06/2024 18:55	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrobenzene	U		0.618	17.8	50	06/06/2024 18:55	WG2298678
n-Nitrosodimethylamine	U		2.63	17.8	50	06/06/2024 18:55	WG2298678
n-Nitrosodiphenylamine	U		1.34	17.8	50	06/06/2024 18:55	WG2298678
n-Nitrosodi-n-propylamine	U		0.592	17.8	50	06/06/2024 18:55	WG2298678
Phenanthrene	U		0.353	1.78	50	06/06/2024 18:55	WG2298678
Benzylbutyl phthalate	U		0.554	17.8	50	06/06/2024 18:55	WG2298678
Bis(2-ethylhexyl)phthalate	U		2.25	17.8	50	06/06/2024 18:55	WG2298678
Di-n-butyl phthalate	U		0.608	17.8	50	06/06/2024 18:55	WG2298678
Diethyl phthalate	U		0.586	17.8	50	06/06/2024 18:55	WG2298678
Dimethyl phthalate	U		3.76	17.8	50	06/06/2024 18:55	WG2298678
Di-n-octyl phthalate	U		1.20	17.8	50	06/06/2024 18:55	WG2298678
Pyrene	U		0.345	1.78	50	06/06/2024 18:55	WG2298678
1,2,4-Trichlorobenzene	U		0.554	17.8	50	06/06/2024 18:55	WG2298678
4-Chloro-3-methylphenol	U		0.576	17.8	50	06/06/2024 18:55	WG2298678
2-Chlorophenol	U		0.586	17.8	50	06/06/2024 18:55	WG2298678
2,4-Dichlorophenol	U		0.517	17.8	50	06/06/2024 18:55	WG2298678
2,4-Dimethylphenol	U		0.464	17.8	50	06/06/2024 18:55	WG2298678
4,6-Dinitro-2-methylphenol	U		4.03	17.8	50	06/06/2024 18:55	WG2298678
2,4-Dinitrophenol	U		4.16	17.8	50	06/06/2024 18:55	WG2298678
2-Nitrophenol	U		0.634	17.8	50	06/06/2024 18:55	WG2298678
4-Nitrophenol	U		0.554	17.8	50	06/06/2024 18:55	WG2298678
Pentachlorophenol	U		0.478	17.8	50	06/06/2024 18:55	WG2298678
Phenol	U		0.714	17.8	50	06/06/2024 18:55	WG2298678
2,4,6-Trichlorophenol	U		0.570	17.8	50	06/06/2024 18:55	WG2298678
(S) 2-Fluorophenol	*82.1*	J7		*12.0-120*		*06/06/2024 18:55*	WG2298678
(S) Phenol-d5	*64.9*	J7		*10.0-120*		*06/06/2024 18:55*	WG2298678
(S) Nitrobenzene-d5	*50.0*	J7		*10.0-122*		*06/06/2024 18:55*	WG2298678
(S) 2-Fluorobiphenyl	*69.8*	J7		*15.0-120*		*06/06/2024 18:55*	WG2298678
(S) 2,4,6-Tribromophenol	*51.9*	J7		*10.0-127*		*06/06/2024 18:55*	WG2298678
(S) p-Terphenyl-d14	*77.4*	J7		*10.0-120*		*06/06/2024 18:55*	WG2298678

Sample Narrative:

L1739664-10 WG2298678: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	05/27/2024 08:34	WG2293519

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.35	B J	0.935	2.81	25.5	05/29/2024 01:38	WG2294584
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*05/29/2024 01:38*	WG2294584

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.156		0.0891	0.122	2.22	06/01/2024 10:58	WG2296712
Acrylonitrile	U		0.00881	0.0306	2.22	06/01/2024 10:58	WG2296712
Benzene	U		0.00114	0.00244	2.22	06/01/2024 10:58	WG2296712
Bromobenzene	U		0.00220	0.0306	2.22	06/01/2024 10:58	WG2296712
Bromodichloromethane	U		0.00177	0.00610	2.22	06/01/2024 10:58	WG2296712
Bromoform	U		0.00286	0.0610	2.22	06/01/2024 10:58	WG2296712
Bromomethane	U		0.00480	0.0306	2.22	06/01/2024 10:58	WG2296712
n-Butylbenzene	U		0.0129	0.0306	2.22	06/01/2024 10:58	WG2296712
sec-Butylbenzene	U		0.00703	0.0306	2.22	06/01/2024 10:58	WG2296712
tert-Butylbenzene	U		0.00476	0.0122	2.22	06/01/2024 10:58	WG2296712
Carbon tetrachloride	U		0.00219	0.0122	2.22	06/01/2024 10:58	WG2296712
Chlorobenzene	U		0.000512	0.00610	2.22	06/01/2024 10:58	WG2296712
Chlorodibromomethane	U		0.00150	0.00610	2.22	06/01/2024 10:58	WG2296712
Chloroethane	U		0.00414	0.0122	2.22	06/01/2024 10:58	WG2296712
Chloroform	U		0.00252	0.00610	2.22	06/01/2024 10:58	WG2296712
Chloromethane	U		0.0106	0.0306	2.22	06/01/2024 10:58	WG2296712
2-Chlorotoluene	U		0.00211	0.00610	2.22	06/01/2024 10:58	WG2296712
4-Chlorotoluene	U		0.00110	0.0122	2.22	06/01/2024 10:58	WG2296712
1,2-Dibromo-3-Chloropropane	U		0.00952	0.0610	2.22	06/01/2024 10:58	WG2296712
1,2-Dibromoethane	U		0.00158	0.00610	2.22	06/01/2024 10:58	WG2296712
Dibromomethane	U		0.00184	0.0122	2.22	06/01/2024 10:58	WG2296712
1,2-Dichlorobenzene	U		0.00104	0.0122	2.22	06/01/2024 10:58	WG2296712
1,3-Dichlorobenzene	U		0.00146	0.0122	2.22	06/01/2024 10:58	WG2296712
1,4-Dichlorobenzene	U		0.00170	0.0122	2.22	06/01/2024 10:58	WG2296712
Dichlorodifluoromethane	U		0.00392	0.0122	2.22	06/01/2024 10:58	WG2296712
1,1-Dichloroethane	U		0.00120	0.00610	2.22	06/01/2024 10:58	WG2296712
1,2-Dichloroethane	U		0.00158	0.00610	2.22	06/01/2024 10:58	WG2296712
1,1-Dichloroethene	U		0.00148	0.00610	2.22	06/01/2024 10:58	WG2296712
cis-1,2-Dichloroethene	U		0.00179	0.00610	2.22	06/01/2024 10:58	WG2296712
trans-1,2-Dichloroethene	U		0.00254	0.0122	2.22	06/01/2024 10:58	WG2296712
1,2-Dichloropropane	U		0.00346	0.0122	2.22	06/01/2024 10:58	WG2296712
1,1-Dichloropropene	U		0.00198	0.00610	2.22	06/01/2024 10:58	WG2296712
1,3-Dichloropropane	U		0.00122	0.0122	2.22	06/01/2024 10:58	WG2296712
cis-1,3-Dichloropropene	U		0.00185	0.00610	2.22	06/01/2024 10:58	WG2296712
trans-1,3-Dichloropropene	U		0.00278	0.0122	2.22	06/01/2024 10:58	WG2296712
2,2-Dichloropropane	U		0.00336	0.00610	2.22	06/01/2024 10:58	WG2296712
Di-isopropyl ether	U		0.00100	0.00244	2.22	06/01/2024 10:58	WG2296712
Ethylbenzene	U		0.00180	0.00610	2.22	06/01/2024 10:58	WG2296712
Hexachloro-1,3-butadiene	U		0.0146	0.0610	2.22	06/01/2024 10:58	WG2296712
Isopropylbenzene	U		0.00104	0.00610	2.22	06/01/2024 10:58	WG2296712
p-Isopropyltoluene	U		0.00622	0.0122	2.22	06/01/2024 10:58	WG2296712
2-Butanone (MEK)	U		0.155	0.244	2.22	06/01/2024 10:58	WG2296712
Methylene Chloride	0.0191	J	0.0162	0.0610	2.22	06/01/2024 10:58	WG2296712
4-Methyl-2-pentanone (MIBK)	U		0.00556	0.0610	2.22	06/01/2024 10:58	WG2296712

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000854	0.00244	2.22	06/01/2024 10:58	WG2296712
Naphthalene	U		0.0119	0.0306	2.22	06/01/2024 10:58	WG2296712
n-Propylbenzene	U		0.00232	0.0122	2.22	06/01/2024 10:58	WG2296712
Styrene	U		0.000558	0.0306	2.22	06/01/2024 10:58	WG2296712
1,1,1,2-Tetrachloroethane	U		0.00231	0.00610	2.22	06/01/2024 10:58	WG2296712
1,1,2,2-Tetrachloroethane	U		0.00169	0.00610	2.22	06/01/2024 10:58	WG2296712
1,1,2-Trichlorotrifluoroethane	U		0.00184	0.00610	2.22	06/01/2024 10:58	WG2296712
Tetrachloroethene	U		0.00219	0.00610	2.22	06/01/2024 10:58	WG2296712
Toluene	0.00445	J	0.00318	0.0122	2.22	06/01/2024 10:58	WG2296712
1,2,3-Trichlorobenzene	U		0.0179	0.0306	2.22	06/01/2024 10:58	WG2296712
1,2,4-Trichlorobenzene	U		0.0107	0.0306	2.22	06/01/2024 10:58	WG2296712
1,1,1-Trichloroethane	U		0.00225	0.00610	2.22	06/01/2024 10:58	WG2296712
1,1,2-Trichloroethane	U		0.00146	0.00610	2.22	06/01/2024 10:58	WG2296712
Trichloroethene	U		0.00143	0.00244	2.22	06/01/2024 10:58	WG2296712
Trichlorofluoromethane	U		0.00202	0.00610	2.22	06/01/2024 10:58	WG2296712
1,2,3-Trichloropropane	U		0.00396	0.0306	2.22	06/01/2024 10:58	WG2296712
1,2,4-Trimethylbenzene	U	J4	0.00386	0.0122	2.22	06/01/2024 10:58	WG2296712
1,2,3-Trimethylbenzene	U		0.00386	0.0122	2.22	06/01/2024 10:58	WG2296712
1,3,5-Trimethylbenzene	U	J4	0.00488	0.0122	2.22	06/01/2024 10:58	WG2296712
Vinyl chloride	U		0.00284	0.00610	2.22	06/01/2024 10:58	WG2296712
Xylenes, Total	0.00433	J	0.00214	0.0158	2.22	06/01/2024 10:58	WG2296712
(S) Toluene-d8	*112*			*75.0-131*		*06/01/2024 10:58*	WG2296712
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/01/2024 10:58*	WG2296712
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*06/01/2024 10:58*	WG2296712

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		155	842	200	05/31/2024 10:42	WG2295239
C22-C32 Hydrocarbons	859		280	842	200	05/31/2024 10:42	WG2295239
C32-C40 Hydrocarbons	1430		280	842	200	05/31/2024 10:42	WG2295239
(S) o-Terphenyl	*92.3*	J7		*18.0-148*		*05/31/2024 10:42*	WG2295239

Sample Narrative:

L1739664-11 WG2295239: Cannot run at lower dilution due to viscosity of extract.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	05/24/2024 15:10	WG2292768

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.51	B J	1.37	4.10	34.8	05/29/2024 03:45	WG2294584
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*05/29/2024 03:45*	WG2294584

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0448	0.0613	1	06/01/2024 11:18	WG2296712
Acrylonitrile	U		0.00443	0.0153	1	06/01/2024 11:18	WG2296712
Benzene	U		0.000573	0.00123	1	06/01/2024 11:18	WG2296712
Bromobenzene	U		0.00110	0.0153	1	06/01/2024 11:18	WG2296712
Bromodichloromethane	U		0.000889	0.00307	1	06/01/2024 11:18	WG2296712
Bromoform	U		0.00144	0.0307	1	06/01/2024 11:18	WG2296712
Bromomethane	U		0.00242	0.0153	1	06/01/2024 11:18	WG2296712
n-Butylbenzene	U		0.00644	0.0153	1	06/01/2024 11:18	WG2296712
sec-Butylbenzene	U		0.00353	0.0153	1	06/01/2024 11:18	WG2296712
tert-Butylbenzene	U		0.00239	0.00613	1	06/01/2024 11:18	WG2296712
Carbon tetrachloride	U		0.00110	0.00613	1	06/01/2024 11:18	WG2296712
Chlorobenzene	U		0.000258	0.00307	1	06/01/2024 11:18	WG2296712
Chlorodibromomethane	U		0.000751	0.00307	1	06/01/2024 11:18	WG2296712
Chloroethane	U		0.00209	0.00613	1	06/01/2024 11:18	WG2296712
Chloroform	U		0.00126	0.00307	1	06/01/2024 11:18	WG2296712
Chloromethane	U		0.00534	0.0153	1	06/01/2024 11:18	WG2296712
2-Chlorotoluene	U		0.00106	0.00307	1	06/01/2024 11:18	WG2296712
4-Chlorotoluene	U		0.000552	0.00613	1	06/01/2024 11:18	WG2296712
1,2-Dibromo-3-Chloropropane	U		0.00478	0.0307	1	06/01/2024 11:18	WG2296712
1,2-Dibromoethane	U		0.000795	0.00307	1	06/01/2024 11:18	WG2296712
Dibromomethane	U		0.000920	0.00613	1	06/01/2024 11:18	WG2296712
1,2-Dichlorobenzene	U		0.000521	0.00613	1	06/01/2024 11:18	WG2296712
1,3-Dichlorobenzene	U		0.000736	0.00613	1	06/01/2024 11:18	WG2296712
1,4-Dichlorobenzene	U		0.000859	0.00613	1	06/01/2024 11:18	WG2296712
Dichlorodifluoromethane	U		0.00197	0.00613	1	06/01/2024 11:18	WG2296712
1,1-Dichloroethane	U		0.000602	0.00307	1	06/01/2024 11:18	WG2296712
1,2-Dichloroethane	U		0.000796	0.00307	1	06/01/2024 11:18	WG2296712
1,1-Dichloroethene	U		0.000743	0.00307	1	06/01/2024 11:18	WG2296712
cis-1,2-Dichloroethene	U		0.000900	0.00307	1	06/01/2024 11:18	WG2296712
trans-1,2-Dichloroethene	U		0.00128	0.00613	1	06/01/2024 11:18	WG2296712
1,2-Dichloropropane	U		0.00174	0.00613	1	06/01/2024 11:18	WG2296712
1,1-Dichloropropene	U		0.000992	0.00307	1	06/01/2024 11:18	WG2296712
1,3-Dichloropropane	U		0.000615	0.00613	1	06/01/2024 11:18	WG2296712
cis-1,3-Dichloropropene	U		0.000929	0.00307	1	06/01/2024 11:18	WG2296712
trans-1,3-Dichloropropene	U		0.00140	0.00613	1	06/01/2024 11:18	WG2296712
2,2-Dichloropropane	U		0.00169	0.00307	1	06/01/2024 11:18	WG2296712
Di-isopropyl ether	U		0.000503	0.00123	1	06/01/2024 11:18	WG2296712
Ethylbenzene	U		0.000904	0.00307	1	06/01/2024 11:18	WG2296712
Hexachloro-1,3-butadiene	U		0.00736	0.0307	1	06/01/2024 11:18	WG2296712
Isopropylbenzene	U		0.000521	0.00307	1	06/01/2024 11:18	WG2296712
p-Isopropyltoluene	U		0.00313	0.00613	1	06/01/2024 11:18	WG2296712
2-Butanone (MEK)	U		0.0779	0.123	1	06/01/2024 11:18	WG2296712
Methylene Chloride	0.00911	J	0.00815	0.0307	1	06/01/2024 11:18	WG2296712
4-Methyl-2-pentanone (MIBK)	U		0.00280	0.0307	1	06/01/2024 11:18	WG2296712

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000429	0.00123	1	06/01/2024 11:18	WG2296712
Naphthalene	U		0.00599	0.0153	1	06/01/2024 11:18	WG2296712
n-Propylbenzene	U		0.00117	0.00613	1	06/01/2024 11:18	WG2296712
Styrene	U		0.000281	0.0153	1	06/01/2024 11:18	WG2296712
1,1,1,2-Tetrachloroethane	U		0.00116	0.00307	1	06/01/2024 11:18	WG2296712
1,1,2,2-Tetrachloroethane	U		0.000853	0.00307	1	06/01/2024 11:18	WG2296712
1,1,2-Trichlorotrifluoroethane	U		0.000925	0.00307	1	06/01/2024 11:18	WG2296712
Tetrachloroethene	U		0.00110	0.00307	1	06/01/2024 11:18	WG2296712
Toluene	0.00222	J	0.00159	0.00613	1	06/01/2024 11:18	WG2296712
1,2,3-Trichlorobenzene	U		0.00899	0.0153	1	06/01/2024 11:18	WG2296712
1,2,4-Trichlorobenzene	U		0.00540	0.0153	1	06/01/2024 11:18	WG2296712
1,1,1-Trichloroethane	U		0.00113	0.00307	1	06/01/2024 11:18	WG2296712
1,1,2-Trichloroethane	U		0.000732	0.00307	1	06/01/2024 11:18	WG2296712
Trichloroethene	U		0.000716	0.00123	1	06/01/2024 11:18	WG2296712
Trichlorofluoromethane	U		0.00101	0.00307	1	06/01/2024 11:18	WG2296712
1,2,3-Trichloropropane	U		0.00199	0.0153	1	06/01/2024 11:18	WG2296712
1,2,4-Trimethylbenzene	U	J4	0.00194	0.00613	1	06/01/2024 11:18	WG2296712
1,2,3-Trimethylbenzene	U		0.00194	0.00613	1	06/01/2024 11:18	WG2296712
1,3,5-Trimethylbenzene	U	J4	0.00245	0.00613	1	06/01/2024 11:18	WG2296712
Vinyl chloride	U		0.00142	0.00307	1	06/01/2024 11:18	WG2296712
Xylenes, Total	0.00173	J	0.00108	0.00797	1	06/01/2024 11:18	WG2296712
(S) Toluene-d8	*109*			*75.0-131*		*06/01/2024 11:18*	WG2296712
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/01/2024 11:18*	WG2296712
(S) 1,2-Dichloroethane-d4	*84.1*			*70.0-130*		*06/01/2024 11:18*	WG2296712

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		162	883	200	05/30/2024 20:40	WG2295239
C22-C32 Hydrocarbons	936		294	883	200	05/30/2024 20:40	WG2295239
C32-C40 Hydrocarbons	1490		294	883	200	05/30/2024 20:40	WG2295239
(S) o-Terphenyl	*72.9*	J7		*18.0-148*		*05/30/2024 20:40*	WG2295239

Sample Narrative:

L1739664-12 WG2295239: Cannot run at lower dilution due to viscosity of extract

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	18.3	J	11.3	50.0	1	05/30/2024 01:11	WG2295186
Acrolein	U		2.54	50.0	1	05/30/2024 01:11	WG2295186
Acrylonitrile	U		0.671	10.0	1	05/30/2024 01:11	WG2295186
Benzene	U		0.0941	1.00	1	05/30/2024 01:11	WG2295186
Bromobenzene	U		0.118	1.00	1	05/30/2024 01:11	WG2295186
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 01:11	WG2295186
Bromoform	U		0.129	1.00	1	05/30/2024 01:11	WG2295186
Bromomethane	U		0.605	5.00	1	05/30/2024 01:11	WG2295186
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 01:11	WG2295186
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 01:11	WG2295186
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 01:11	WG2295186
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 01:11	WG2295186
Chlorobenzene	U		0.116	1.00	1	05/30/2024 01:11	WG2295186
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 01:11	WG2295186
Chloroethane	U		0.192	5.00	1	05/30/2024 01:11	WG2295186
Chloroform	0.202	J	0.111	5.00	1	05/30/2024 01:11	WG2295186
Chloromethane	U		0.960	2.50	1	05/30/2024 01:11	WG2295186
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 01:11	WG2295186
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 01:11	WG2295186
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 01:11	WG2295186
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 01:11	WG2295186
Dibromomethane	U		0.122	1.00	1	05/30/2024 01:11	WG2295186
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 01:11	WG2295186
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 01:11	WG2295186
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 01:11	WG2295186
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 01:11	WG2295186
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 01:11	WG2295186
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 01:11	WG2295186
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 01:11	WG2295186
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/30/2024 01:11	WG2295186
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 01:11	WG2295186
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 01:11	WG2295186
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 01:11	WG2295186
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 01:11	WG2295186
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 01:11	WG2295186
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 01:11	WG2295186
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 01:11	WG2295186
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 01:11	WG2295186
Ethylbenzene	U		0.137	1.00	1	05/30/2024 01:11	WG2295186
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 01:11	WG2295186
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 01:11	WG2295186
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 01:11	WG2295186
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 01:11	WG2295186
Methylene Chloride	U		0.430	5.00	1	05/30/2024 01:11	WG2295186
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 01:11	WG2295186
Methyl tert-butyl ether	U		0.101	1.00	1	05/30/2024 01:11	WG2295186
Naphthalene	U		1.00	5.00	1	05/30/2024 01:11	WG2295186
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 01:11	WG2295186
Styrene	U		0.118	1.00	1	05/30/2024 01:11	WG2295186
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 01:11	WG2295186
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 01:11	WG2295186
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 01:11	WG2295186
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 01:11	WG2295186
Toluene	U		0.278	1.00	1	05/30/2024 01:11	WG2295186
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 01:11	WG2295186
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 01:11	WG2295186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 01:11	WG2295186
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 01:11	WG2295186
Trichloroethene	U		0.190	1.00	1	05/30/2024 01:11	WG2295186
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 01:11	WG2295186
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 01:11	WG2295186
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 01:11	WG2295186
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 01:11	WG2295186
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 01:11	WG2295186
Vinyl chloride	U		0.234	1.00	1	05/30/2024 01:11	WG2295186
Xylenes, Total	U		0.174	3.00	1	05/30/2024 01:11	WG2295186
(S) Toluene-d8	*106*			*80.0-120*		*05/30/2024 01:11*	WG2295186
(S) 4-Bromofluorobenzene	*112*			*77.0-126*		*05/30/2024 01:11*	WG2295186
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/30/2024 01:11*	WG2295186

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/27/2024 15:18	WG2292614

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	05/31/2024 16:02	WG2295552
Arsenic	U		0.180	2.00	1	05/31/2024 16:02	WG2295552
Barium	U		0.381	2.00	1	05/31/2024 16:02	WG2295552
Beryllium	U		0.190	2.00	1	05/31/2024 16:02	WG2295552
Cadmium	U		0.150	1.00	1	05/31/2024 16:02	WG2295552
Chromium	U		1.24	2.00	1	05/31/2024 16:02	WG2295552
Copper	U		1.51	5.00	1	05/31/2024 16:02	WG2295552
Cobalt	U		0.0596	2.00	1	05/31/2024 16:02	WG2295552
Lead	U		0.849	2.00	1	05/31/2024 16:02	WG2295552
Molybdenum	U		0.348	5.00	1	05/31/2024 16:02	WG2295552
Nickel	U		0.816	2.00	1	05/31/2024 16:02	WG2295552
Selenium	U		0.300	2.00	1	05/31/2024 16:02	WG2295552
Silver	U		0.0700	2.00	1	05/31/2024 16:02	WG2295552
Thallium	U		0.121	2.00	1	05/31/2024 16:02	WG2295552
Vanadium	U		0.664	5.00	1	05/31/2024 16:02	WG2295552
Zinc	U		3.02	25.0	1	05/31/2024 16:02	WG2295552

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	55.9	B J	30.4	100	1	05/27/2024 02:34	WG2293775
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*		*05/27/2024 02:34*	WG2293775

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/30/2024 01:53	WG2295186
Acrolein	U		2.54	50.0	1	05/30/2024 01:53	WG2295186
Acrylonitrile	U		0.671	10.0	1	05/30/2024 01:53	WG2295186
Benzene	U		0.0941	1.00	1	05/30/2024 01:53	WG2295186
Bromobenzene	U		0.118	1.00	1	05/30/2024 01:53	WG2295186
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 01:53	WG2295186
Bromoform	U		0.129	1.00	1	05/30/2024 01:53	WG2295186
Bromomethane	U		0.605	5.00	1	05/30/2024 01:53	WG2295186
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 01:53	WG2295186
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 01:53	WG2295186
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 01:53	WG2295186
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 01:53	WG2295186
Chlorobenzene	U		0.116	1.00	1	05/30/2024 01:53	WG2295186
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 01:53	WG2295186
Chloroethane	U		0.192	5.00	1	05/30/2024 01:53	WG2295186
Chloroform	0.135	J	0.111	5.00	1	05/30/2024 01:53	WG2295186
Chloromethane	U		0.960	2.50	1	05/30/2024 01:53	WG2295186
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 01:53	WG2295186
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 01:53	WG2295186
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 01:53	WG2295186
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 01:53	WG2295186
Dibromomethane	U		0.122	1.00	1	05/30/2024 01:53	WG2295186
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 01:53	WG2295186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 01:53	WG2295186
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 01:53	WG2295186
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 01:53	WG2295186
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 01:53	WG2295186
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 01:53	WG2295186
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 01:53	WG2295186
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/30/2024 01:53	WG2295186
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 01:53	WG2295186
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 01:53	WG2295186
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 01:53	WG2295186
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 01:53	WG2295186
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 01:53	WG2295186
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 01:53	WG2295186
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 01:53	WG2295186
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 01:53	WG2295186
Ethylbenzene	U		0.137	1.00	1	05/30/2024 01:53	WG2295186
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 01:53	WG2295186
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 01:53	WG2295186
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 01:53	WG2295186
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 01:53	WG2295186
Methylene Chloride	U		0.430	5.00	1	05/30/2024 01:53	WG2295186
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 01:53	WG2295186
Methyl tert-butyl ether	U		0.101	1.00	1	05/30/2024 01:53	WG2295186
Naphthalene	U		1.00	5.00	1	05/30/2024 01:53	WG2295186
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 01:53	WG2295186
Styrene	U		0.118	1.00	1	05/30/2024 01:53	WG2295186
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 01:53	WG2295186
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 01:53	WG2295186
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 01:53	WG2295186
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 01:53	WG2295186
Toluene	U		0.278	1.00	1	05/30/2024 01:53	WG2295186
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 01:53	WG2295186
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 01:53	WG2295186
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 01:53	WG2295186
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 01:53	WG2295186
Trichloroethene	U		0.190	1.00	1	05/30/2024 01:53	WG2295186
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 01:53	WG2295186
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 01:53	WG2295186
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 01:53	WG2295186
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 01:53	WG2295186
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 01:53	WG2295186
Vinyl chloride	U		0.234	1.00	1	05/30/2024 01:53	WG2295186
Xylenes, Total	U		0.174	3.00	1	05/30/2024 01:53	WG2295186
(S) Toluene-d8	*105*			*80.0-120*		*05/30/2024 01:53*	WG2295186
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*05/30/2024 01:53*	WG2295186
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/30/2024 01:53*	WG2295186

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	85.2	B J J4	33.0	100	1	05/31/2024 03:09	WG2294628
C22-C32 Hydrocarbons	U		33.0	100	1	05/31/2024 03:09	WG2294628
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 03:09	WG2294628
(S) o-Terphenyl	*57.4*			*52.0-156*		*05/31/2024 03:09*	WG2294628

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0206	0.0458	1	05/26/2024 22:27	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.623	2.29	1	06/01/2024 19:14	WG2293711
Arsenic	2.95		0.594	2.29	1	06/01/2024 19:14	WG2293711
Barium	128		0.0976	0.573	1	06/01/2024 19:14	WG2293711
Beryllium	0.598		0.0361	0.229	1	06/01/2024 19:14	WG2293711
Cadmium	0.523	J	0.0540	0.573	1	06/01/2024 19:14	WG2293711
Chromium	66.3		0.152	1.15	1	06/01/2024 19:14	WG2293711
Cobalt	2.56		0.0929	1.15	1	06/01/2024 19:14	WG2293711
Copper	51.2		0.458	2.29	1	06/01/2024 19:14	WG2293711
Lead	124		0.238	0.573	1	06/01/2024 19:14	WG2293711
Molybdenum	5.18		0.125	0.573	1	06/01/2024 19:14	WG2293711
Nickel	23.3		0.151	2.29	1	06/01/2024 19:14	WG2293711
Selenium	U		0.876	2.29	1	06/01/2024 19:14	WG2293711
Silver	1.51		0.146	1.15	1	06/01/2024 19:14	WG2293711
Thallium	U		0.452	2.29	1	06/04/2024 10:33	WG2293711
Vanadium	12.6		0.580	2.29	1	06/01/2024 19:14	WG2293711
Zinc	118		0.954	5.73	1	06/01/2024 19:14	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.48	B	1.10	3.32	25.8	06/05/2024 23:34	WG2299418
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*		*06/05/2024 23:34*	WG2299418

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0135	0.0390	1	05/30/2024 23:11	WG2294622
PCB 1221	U		0.0135	0.0390	1	05/30/2024 23:11	WG2294622
PCB 1232	U		0.0135	0.0390	1	05/30/2024 23:11	WG2294622
PCB 1242	U		0.0135	0.0390	1	05/30/2024 23:11	WG2294622
PCB 1248	U		0.00846	0.0195	1	05/30/2024 23:11	WG2294622
PCB 1254	U		0.00846	0.0195	1	05/30/2024 23:11	WG2294622
PCB 1260	U		0.00846	0.0195	1	05/30/2024 23:11	WG2294622
(S) Decachlorobiphenyl	*92.6*			*10.0-135*		*05/30/2024 23:11*	WG2294622
(S) Tetrachloro-m-xylene	*82.7*			*10.0-139*		*05/30/2024 23:11*	WG2294622

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0309	J	0.00618	0.0382	1	05/31/2024 20:19	WG2295243
Acenaphthylene	U		0.00537	0.0382	1	05/31/2024 20:19	WG2295243
Anthracene	0.0287	J	0.00680	0.0382	1	05/31/2024 20:19	WG2295243
Benzidine	U		0.0717	1.91	1	05/31/2024 20:19	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.342		0.00673	0.0382	1	05/31/2024 20:19	WG2295243
Benzo(b)fluoranthene	0.834		0.00712	0.0382	1	05/31/2024 20:19	WG2295243
Benzo(k)fluoranthene	0.228		0.00678	0.0382	1	05/31/2024 20:19	WG2295243
Benzo(g,h,i)perylene	0.408		0.00698	0.0382	1	05/31/2024 20:19	WG2295243
Benzo(a)pyrene	0.534		0.00709	0.0382	1	05/31/2024 20:19	WG2295243
Bis(2-chlorethoxy)methane	U		0.0115	0.382	1	05/31/2024 20:19	WG2295243
Bis(2-chloroethyl)ether	U		0.0126	0.382	1	05/31/2024 20:19	WG2295243
2,2-Oxybis(1-Chloropropane)	0.0763	J	0.0165	0.382	1	05/31/2024 20:19	WG2295243
4-Bromophenyl-phenylether	U		0.0134	0.382	1	05/31/2024 20:19	WG2295243
2-Chloronaphthalene	U		0.00670	0.0382	1	05/31/2024 20:19	WG2295243
4-Chlorophenyl-phenylether	U		0.0133	0.382	1	05/31/2024 20:19	WG2295243
Chrysene	0.393		0.00759	0.0382	1	05/31/2024 20:19	WG2295243
Dibenz(a,h)anthracene	0.112		0.0106	0.0382	1	05/31/2024 20:19	WG2295243
1,2-Dichlorobenzene	U		0.0113	0.382	1	05/31/2024 20:19	WG2295243
1,3-Dichlorobenzene	U		0.0116	0.382	1	05/31/2024 20:19	WG2295243
1,4-Dichlorobenzene	U		0.0114	0.382	1	05/31/2024 20:19	WG2295243
3,3-Dichlorobenzidine	U		0.0141	0.382	1	05/31/2024 20:19	WG2295243
2,4-Dinitrotoluene	U		0.0109	0.382	1	05/31/2024 20:19	WG2295243
2,6-Dinitrotoluene	U		0.0125	0.382	1	05/31/2024 20:19	WG2295243
Fluoranthene	0.376		0.00689	0.0382	1	05/31/2024 20:19	WG2295243
Fluorene	0.0227	J	0.00621	0.0382	1	05/31/2024 20:19	WG2295243
Hexachlorobenzene	U		0.0135	0.382	1	05/31/2024 20:19	WG2295243
Hexachloro-1,3-butadiene	U		0.0128	0.382	1	05/31/2024 20:19	WG2295243
Hexachlorocyclopentadiene	U		0.0201	0.382	1	05/31/2024 20:19	WG2295243
Hexachloroethane	U		0.0150	0.382	1	05/31/2024 20:19	WG2295243
Indeno(1,2,3-cd)pyrene	0.434		0.0108	0.0382	1	05/31/2024 20:19	WG2295243
Isophorone	U		0.0117	0.382	1	05/31/2024 20:19	WG2295243
Naphthalene	0.176		0.00958	0.0382	1	05/31/2024 20:19	WG2295243
Nitrobenzene	U		0.0133	0.382	1	05/31/2024 20:19	WG2295243
n-Nitrosodimethylamine	U		0.0566	0.382	1	05/31/2024 20:19	WG2295243
n-Nitrosodiphenylamine	U		0.0289	0.382	1	05/31/2024 20:19	WG2295243
n-Nitrosodi-n-propylamine	U		0.0127	0.382	1	05/31/2024 20:19	WG2295243
Phenanthrene	0.127		0.00758	0.0382	1	05/31/2024 20:19	WG2295243
Benzylbutyl phthalate	U		0.0119	0.382	1	05/31/2024 20:19	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.0484	0.382	1	05/31/2024 20:19	WG2295243
Di-n-butyl phthalate	U		0.0131	0.382	1	05/31/2024 20:19	WG2295243
Diethyl phthalate	U		0.0126	0.382	1	05/31/2024 20:19	WG2295243
Dimethyl phthalate	U		0.0809	0.382	1	05/31/2024 20:19	WG2295243
Di-n-octyl phthalate	U		0.0258	0.382	1	05/31/2024 20:19	WG2295243
Pyrene	0.392		0.00743	0.0382	1	05/31/2024 20:19	WG2295243
1,2,4-Trichlorobenzene	U		0.0119	0.382	1	05/31/2024 20:19	WG2295243
4-Chloro-3-methylphenol	U		0.0124	0.382	1	05/31/2024 20:19	WG2295243
2-Chlorophenol	U		0.0126	0.382	1	05/31/2024 20:19	WG2295243
2,4-Dichlorophenol	U		0.0111	0.382	1	05/31/2024 20:19	WG2295243
2,4-Dimethylphenol	U		0.00997	0.382	1	05/31/2024 20:19	WG2295243
4,6-Dinitro-2-methylphenol	U		0.0865	0.382	1	05/31/2024 20:19	WG2295243
2,4-Dinitrophenol	U		0.0893	0.382	1	05/31/2024 20:19	WG2295243
2-Nitrophenol	U		0.0136	0.382	1	05/31/2024 20:19	WG2295243
4-Nitrophenol	U		0.0119	0.382	1	05/31/2024 20:19	WG2295243
Pentachlorophenol	U		0.0103	0.382	1	05/31/2024 20:19	WG2295243
Phenol	0.0376	J	0.0154	0.382	1	05/31/2024 20:19	WG2295243
2,4,6-Trichlorophenol	U		0.0123	0.382	1	05/31/2024 20:19	WG2295243
(S) 2-Fluorophenol	*63.6*			*12.0-120*		*05/31/2024 20:19*	WG2295243
(S) Phenol-d5	*63.1*			*10.0-120*		*05/31/2024 20:19*	WG2295243
(S) Nitrobenzene-d5	*53.3*			*10.0-122*		*05/31/2024 20:19*	WG2295243
(S) 2-Fluorobiphenyl	*65.4*			*15.0-120*		*05/31/2024 20:19*	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*39.6*			*10.0-127*		*05/31/2024 20:19*	WG2295243
(S) p-Terphenyl-d14	*65.1*			*10.0-120*		*05/31/2024 20:19*	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0208	0.0463	1	05/26/2024 22:29	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.629	2.31	1	06/01/2024 19:16	WG2293711
Arsenic	2.67		0.599	2.31	1	06/01/2024 19:16	WG2293711
Barium	143		0.0986	0.579	1	06/01/2024 19:16	WG2293711
Beryllium	0.764		0.0365	0.231	1	06/01/2024 19:16	WG2293711
Cadmium	0.980		0.0545	0.579	1	06/01/2024 19:16	WG2293711
Chromium	81.7		0.154	1.16	1	06/01/2024 19:16	WG2293711
Cobalt	1.46		0.0938	1.16	1	06/01/2024 19:16	WG2293711
Copper	36.4		0.463	2.31	1	06/01/2024 19:16	WG2293711
Lead	269		1.20	2.89	5	06/02/2024 11:58	WG2293711
Molybdenum	2.58		0.126	0.579	1	06/01/2024 19:16	WG2293711
Nickel	11.9		0.153	2.31	1	06/01/2024 19:16	WG2293711
Selenium	0.997	J	0.884	2.31	1	06/01/2024 19:16	WG2293711
Silver	1.20		0.147	1.16	1	06/01/2024 19:16	WG2293711
Thallium	U		0.456	2.31	1	06/04/2024 10:35	WG2293711
Vanadium	12.5		0.586	2.31	1	06/01/2024 19:16	WG2293711
Zinc	183		0.963	5.79	1	06/01/2024 19:16	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.53	B	1.11	3.35	25	06/05/2024 23:53	WG2299418
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-120*		*06/05/2024 23:53*	WG2299418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0551	0.0755	1.17	06/01/2024 11:38	WG2296712
Acrylonitrile	U		0.00545	0.0189	1.17	06/01/2024 11:38	WG2296712
Benzene	0.0276		0.000705	0.00151	1.17	06/01/2024 11:38	WG2296712
Bromobenzene	U		0.00136	0.0189	1.17	06/01/2024 11:38	WG2296712
Bromodichloromethane	U		0.00110	0.00378	1.17	06/01/2024 11:38	WG2296712
Bromoform	U		0.00177	0.0378	1.17	06/01/2024 11:38	WG2296712
Bromomethane	U		0.00297	0.0189	1.17	06/01/2024 11:38	WG2296712
n-Butylbenzene	U		0.00793	0.0189	1.17	06/01/2024 11:38	WG2296712
sec-Butylbenzene	U		0.00435	0.0189	1.17	06/01/2024 11:38	WG2296712
tert-Butylbenzene	U		0.00294	0.00755	1.17	06/01/2024 11:38	WG2296712
Carbon tetrachloride	U		0.00136	0.00755	1.17	06/01/2024 11:38	WG2296712
Chlorobenzene	U		0.000318	0.00378	1.17	06/01/2024 11:38	WG2296712
Chlorodibromomethane	U		0.000925	0.00378	1.17	06/01/2024 11:38	WG2296712
Chloroethane	U		0.00257	0.00755	1.17	06/01/2024 11:38	WG2296712
Chloroform	U		0.00156	0.00378	1.17	06/01/2024 11:38	WG2296712
Chloromethane	U		0.00657	0.0189	1.17	06/01/2024 11:38	WG2296712
2-Chlorotoluene	U		0.00130	0.00378	1.17	06/01/2024 11:38	WG2296712
4-Chlorotoluene	U		0.000681	0.00755	1.17	06/01/2024 11:38	WG2296712

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00589	0.0378	1.17	06/01/2024 11:38	WG2296712
1,2-Dibromoethane	U		0.000979	0.00378	1.17	06/01/2024 11:38	WG2296712
Dibromomethane	U		0.00113	0.00755	1.17	06/01/2024 11:38	WG2296712
1,2-Dichlorobenzene	U		0.000642	0.00755	1.17	06/01/2024 11:38	WG2296712
1,3-Dichlorobenzene	U		0.000907	0.00755	1.17	06/01/2024 11:38	WG2296712
1,4-Dichlorobenzene	U		0.00106	0.00755	1.17	06/01/2024 11:38	WG2296712
Dichlorodifluoromethane	U		0.00243	0.00755	1.17	06/01/2024 11:38	WG2296712
1,1-Dichloroethane	0.00128	J	0.000741	0.00378	1.17	06/01/2024 11:38	WG2296712
1,2-Dichloroethane	U		0.000980	0.00378	1.17	06/01/2024 11:38	WG2296712
1,1-Dichloroethene	U		0.000916	0.00378	1.17	06/01/2024 11:38	WG2296712
cis-1,2-Dichloroethene	U		0.00111	0.00378	1.17	06/01/2024 11:38	WG2296712
trans-1,2-Dichloroethene	U		0.00158	0.00755	1.17	06/01/2024 11:38	WG2296712
1,2-Dichloropropane	U		0.00214	0.00755	1.17	06/01/2024 11:38	WG2296712
1,1-Dichloropropene	U		0.00122	0.00378	1.17	06/01/2024 11:38	WG2296712
1,3-Dichloropropane	U		0.000757	0.00755	1.17	06/01/2024 11:38	WG2296712
cis-1,3-Dichloropropene	U		0.00114	0.00378	1.17	06/01/2024 11:38	WG2296712
trans-1,3-Dichloropropene	U		0.00172	0.00755	1.17	06/01/2024 11:38	WG2296712
2,2-Dichloropropane	U		0.00208	0.00378	1.17	06/01/2024 11:38	WG2296712
Di-isopropyl ether	U		0.000620	0.00151	1.17	06/01/2024 11:38	WG2296712
Ethylbenzene	0.0232		0.00111	0.00378	1.17	06/01/2024 11:38	WG2296712
Hexachloro-1,3-butadiene	U		0.00907	0.0378	1.17	06/01/2024 11:38	WG2296712
Isopropylbenzene	0.0373		0.000642	0.00378	1.17	06/01/2024 11:38	WG2296712
p-Isopropyltoluene	0.0254		0.00385	0.00755	1.17	06/01/2024 11:38	WG2296712
2-Butanone (MEK)	U		0.0959	0.151	1.17	06/01/2024 11:38	WG2296712
Methylene Chloride	U		0.0100	0.0378	1.17	06/01/2024 11:38	WG2296712
4-Methyl-2-pentanone (MIBK)	U		0.00345	0.0378	1.17	06/01/2024 11:38	WG2296712
Methyl tert-butyl ether	U		0.000528	0.00151	1.17	06/01/2024 11:38	WG2296712
Naphthalene	0.0737		0.00737	0.0189	1.17	06/01/2024 11:38	WG2296712
n-Propylbenzene	0.00763		0.00143	0.00755	1.17	06/01/2024 11:38	WG2296712
Styrene	U		0.000346	0.0189	1.17	06/01/2024 11:38	WG2296712
1,1,1,2-Tetrachloroethane	U		0.00143	0.00378	1.17	06/01/2024 11:38	WG2296712
1,1,2,2-Tetrachloroethane	U		0.00105	0.00378	1.17	06/01/2024 11:38	WG2296712
1,1,2-Trichlorotrifluoroethane	U		0.00114	0.00378	1.17	06/01/2024 11:38	WG2296712
Tetrachloroethene	0.00491		0.00136	0.00378	1.17	06/01/2024 11:38	WG2296712
Toluene	0.0816		0.00196	0.00755	1.17	06/01/2024 11:38	WG2296712
1,2,3-Trichlorobenzene	U		0.0111	0.0189	1.17	06/01/2024 11:38	WG2296712
1,2,4-Trichlorobenzene	U		0.00665	0.0189	1.17	06/01/2024 11:38	WG2296712
1,1,1-Trichloroethane	U		0.00139	0.00378	1.17	06/01/2024 11:38	WG2296712
1,1,2-Trichloroethane	U		0.000901	0.00378	1.17	06/01/2024 11:38	WG2296712
Trichloroethene	U		0.000882	0.00151	1.17	06/01/2024 11:38	WG2296712
Trichlorofluoromethane	U		0.00125	0.00378	1.17	06/01/2024 11:38	WG2296712
1,2,3-Trichloropropane	U		0.00245	0.0189	1.17	06/01/2024 11:38	WG2296712
1,2,4-Trimethylbenzene	0.0514	J4	0.00239	0.00755	1.17	06/01/2024 11:38	WG2296712
1,2,3-Trimethylbenzene	0.0275		0.00239	0.00755	1.17	06/01/2024 11:38	WG2296712
1,3,5-Trimethylbenzene	0.0196	J4	0.00302	0.00755	1.17	06/01/2024 11:38	WG2296712
Vinyl chloride	U		0.00176	0.00378	1.17	06/01/2024 11:38	WG2296712
Xylenes, Total	0.141		0.00133	0.00981	1.17	06/01/2024 11:38	WG2296712
(S) Toluene-d8	*109*			*75.0-131*		*06/01/2024 11:38*	WG2296712
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*06/01/2024 11:38*	WG2296712
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*06/01/2024 11:38*	WG2296712

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	29.4		0.848	4.63	1	06/06/2024 03:16	WG2299427
C22-C32 Hydrocarbons	65.5		1.54	4.63	1	06/06/2024 03:16	WG2299427
C32-C40 Hydrocarbons	27.4		1.54	4.63	1	06/06/2024 03:16	WG2299427
(S) o-Terphenyl	*50.3*			*18.0-148*		*06/06/2024 03:16*	WG2299427

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0274	J	0.00624	0.0385	1	05/31/2024 20:44	WG2295243
Acenaphthylene	U		0.00543	0.0385	1	05/31/2024 20:44	WG2295243
Anthracene	0.0348	J	0.00686	0.0385	1	05/31/2024 20:44	WG2295243
Benzidine	U		0.0724	1.93	1	05/31/2024 20:44	WG2295243
Benzo(a)anthracene	0.157		0.00679	0.0385	1	05/31/2024 20:44	WG2295243
Benzo(b)fluoranthene	0.358		0.00719	0.0385	1	05/31/2024 20:44	WG2295243
Benzo(k)fluoranthene	0.107		0.00685	0.0385	1	05/31/2024 20:44	WG2295243
Benzo(g,h,i)perylene	0.200		0.00705	0.0385	1	05/31/2024 20:44	WG2295243
Benzo(a)pyrene	0.250		0.00716	0.0385	1	05/31/2024 20:44	WG2295243
Bis(2-chlorethoxy)methane	U		0.0116	0.385	1	05/31/2024 20:44	WG2295243
Bis(2-chloroethyl)ether	U		0.0127	0.385	1	05/31/2024 20:44	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.0167	0.385	1	05/31/2024 20:44	WG2295243
4-Bromophenyl-phenylether	U		0.0135	0.385	1	05/31/2024 20:44	WG2295243
2-Chloronaphthalene	U		0.00677	0.0385	1	05/31/2024 20:44	WG2295243
4-Chlorophenyl-phenylether	U		0.0134	0.385	1	05/31/2024 20:44	WG2295243
Chrysene	0.174		0.00766	0.0385	1	05/31/2024 20:44	WG2295243
Dibenz(a,h)anthracene	0.0467		0.0107	0.0385	1	05/31/2024 20:44	WG2295243
1,2-Dichlorobenzene	U		0.0114	0.385	1	05/31/2024 20:44	WG2295243
1,3-Dichlorobenzene	U		0.0117	0.385	1	05/31/2024 20:44	WG2295243
1,4-Dichlorobenzene	U		0.0115	0.385	1	05/31/2024 20:44	WG2295243
3,3-Dichlorobenzidine	U		0.0142	0.385	1	05/31/2024 20:44	WG2295243
2,4-Dinitrotoluene	U		0.0111	0.385	1	05/31/2024 20:44	WG2295243
2,6-Dinitrotoluene	U		0.0126	0.385	1	05/31/2024 20:44	WG2295243
Fluoranthene	0.190		0.00695	0.0385	1	05/31/2024 20:44	WG2295243
Fluorene	0.0258	J	0.00627	0.0385	1	05/31/2024 20:44	WG2295243
Hexachlorobenzene	U		0.0137	0.385	1	05/31/2024 20:44	WG2295243
Hexachloro-1,3-butadiene	U		0.0130	0.385	1	05/31/2024 20:44	WG2295243
Hexachlorocyclopentadiene	U		0.0203	0.385	1	05/31/2024 20:44	WG2295243
Hexachloroethane	U		0.0152	0.385	1	05/31/2024 20:44	WG2295243
Indeno(1,2,3-cd)pyrene	0.218		0.0109	0.0385	1	05/31/2024 20:44	WG2295243
Isophorone	U		0.0118	0.385	1	05/31/2024 20:44	WG2295243
Naphthalene	0.184		0.00967	0.0385	1	05/31/2024 20:44	WG2295243
Nitrobenzene	U		0.0134	0.385	1	05/31/2024 20:44	WG2295243
n-Nitrosodimethylamine	U		0.0572	0.385	1	05/31/2024 20:44	WG2295243
n-Nitrosodiphenylamine	U		0.0292	0.385	1	05/31/2024 20:44	WG2295243
n-Nitrosodi-n-propylamine	U		0.0128	0.385	1	05/31/2024 20:44	WG2295243
Phenanthrene	0.105		0.00765	0.0385	1	05/31/2024 20:44	WG2295243
Benzylbutyl phthalate	U		0.0120	0.385	1	05/31/2024 20:44	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.0488	0.385	1	05/31/2024 20:44	WG2295243
Di-n-butyl phthalate	U		0.0132	0.385	1	05/31/2024 20:44	WG2295243
Diethyl phthalate	U		0.0127	0.385	1	05/31/2024 20:44	WG2295243
Dimethyl phthalate	U		0.0817	0.385	1	05/31/2024 20:44	WG2295243
Di-n-octyl phthalate	U		0.0260	0.385	1	05/31/2024 20:44	WG2295243
Pyrene	0.190		0.00750	0.0385	1	05/31/2024 20:44	WG2295243
1,2,4-Trichlorobenzene	U		0.0120	0.385	1	05/31/2024 20:44	WG2295243
4-Chloro-3-methylphenol	U		0.0125	0.385	1	05/31/2024 20:44	WG2295243
2-Chlorophenol	U		0.0127	0.385	1	05/31/2024 20:44	WG2295243
2,4-Dichlorophenol	U		0.0112	0.385	1	05/31/2024 20:44	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0101	0.385	1	05/31/2024 20:44	WG2295243
4,6-Dinitro-2-methylphenol	U		0.0874	0.385	1	05/31/2024 20:44	WG2295243
2,4-Dinitrophenol	U		0.0901	0.385	1	05/31/2024 20:44	WG2295243
2-Nitrophenol	U		0.0138	0.385	1	05/31/2024 20:44	WG2295243
4-Nitrophenol	U		0.0120	0.385	1	05/31/2024 20:44	WG2295243
Pentachlorophenol	U		0.0104	0.385	1	05/31/2024 20:44	WG2295243
Phenol	0.0509	J	0.0155	0.385	1	05/31/2024 20:44	WG2295243
2,4,6-Trichlorophenol	U		0.0124	0.385	1	05/31/2024 20:44	WG2295243
(S) 2-Fluorophenol	*49.8*			*12.0-120*		*05/31/2024 20:44*	WG2295243
(S) Phenol-d5	*52.1*			*10.0-120*		*05/31/2024 20:44*	WG2295243
(S) Nitrobenzene-d5	*49.1*			*10.0-122*		*05/31/2024 20:44*	WG2295243
(S) 2-Fluorobiphenyl	*58.3*			*15.0-120*		*05/31/2024 20:44*	WG2295243
(S) 2,4,6-Tribromophenol	*47.7*			*10.0-127*		*05/31/2024 20:44*	WG2295243
(S) p-Terphenyl-d14	*59.5*			*10.0-120*		*05/31/2024 20:44*	WG2295243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	05/27/2024 08:34	WG2293519

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0240	J	0.0213	0.0474	1	05/26/2024 22:32	WG2293348

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U	J6	0.644	2.37	1	06/01/2024 18:32	WG2293711
Arsenic	3.17		0.614	2.37	1	06/01/2024 18:32	WG2293711
Barium	70.4	O1	0.101	0.592	1	06/01/2024 18:32	WG2293711
Beryllium	0.379		0.0373	0.237	1	06/01/2024 18:32	WG2293711
Cadmium	1.24		0.0558	0.592	1	06/01/2024 18:32	WG2293711
Chromium	38.2	O1	0.158	1.18	1	06/01/2024 18:32	WG2293711
Cobalt	2.78	J6	0.0961	1.18	1	06/01/2024 18:32	WG2293711
Copper	52.9	J6 O1	0.474	2.37	1	06/01/2024 18:32	WG2293711
Lead	1030	J3 O1 V	0.246	0.592	1	06/01/2024 18:32	WG2293711
Molybdenum	3.95	J6	0.129	0.592	1	06/01/2024 18:32	WG2293711
Nickel	17.1	J6 O1	0.156	2.37	1	06/01/2024 18:32	WG2293711
Selenium	U		0.905	2.37	1	06/01/2024 18:32	WG2293711
Silver	1.18	J	0.150	1.18	1	06/01/2024 18:32	WG2293711
Thallium	U		0.467	2.37	1	06/04/2024 10:36	WG2293711
Vanadium	12.0		0.599	2.37	1	06/01/2024 18:32	WG2293711
Zinc	326	J5 O1	0.986	5.92	1	06/01/2024 18:32	WG2293711

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.55	B	1.15	3.46	25	05/29/2024 19:58	WG2294990
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-120*		*05/29/2024 19:58*	WG2294990

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	54.8	J J3	34.7	190	40	05/31/2024 11:11	WG2295239
C22-C32 Hydrocarbons	334	J3 V	63.0	190	40	05/31/2024 11:11	WG2295239
C32-C40 Hydrocarbons	380		63.0	190	40	05/31/2024 11:11	WG2295239
(S) o-Terphenyl	*85.8*	J7		*18.0-148*		*05/31/2024 11:11*	WG2295239

Sample Narrative:

L1739664-18 WG2295239: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0638	0.394	10	05/31/2024 23:12	WG2295243
Acenaphthylene	U		0.0556	0.394	10	05/31/2024 23:12	WG2295243
Anthracene	U		0.0702	0.394	10	05/31/2024 23:12	WG2295243
Benzidine	U		0.741	19.8	10	05/31/2024 23:12	WG2295243
Benzo(a)anthracene	0.0958	J	0.0695	0.394	10	05/31/2024 23:12	WG2295243
Benzo(b)fluoranthene	0.186	J	0.0736	0.394	10	05/31/2024 23:12	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.0701	0.394	10	05/31/2024 23:12	WG2295243
Benzo(g,h,i)perylene	0.0846	J	0.0721	0.394	10	05/31/2024 23:12	WG2295243
Benzo(a)pyrene	0.120	J	0.0733	0.394	10	05/31/2024 23:12	WG2295243
Bis(2-chlorethoxy)methane	U		0.118	3.94	10	05/31/2024 23:12	WG2295243
Bis(2-chloroethyl)ether	U		0.130	3.94	10	05/31/2024 23:12	WG2295243
2,2-Oxybis(1-Chloropropane)	U		0.171	3.94	10	05/31/2024 23:12	WG2295243
4-Bromophenyl-phenylether	U		0.139	3.94	10	05/31/2024 23:12	WG2295243
2-Chloronaphthalene	U		0.0693	0.394	10	05/31/2024 23:12	WG2295243
4-Chlorophenyl-phenylether	U		0.137	3.94	10	05/31/2024 23:12	WG2295243
Chrysene	0.101	J	0.0784	0.394	10	05/31/2024 23:12	WG2295243
Dibenz(a,h)anthracene	U		0.109	0.394	10	05/31/2024 23:12	WG2295243
1,2-Dichlorobenzene	U		0.117	3.94	10	05/31/2024 23:12	WG2295243
1,3-Dichlorobenzene	U		0.120	3.94	10	05/31/2024 23:12	WG2295243
1,4-Dichlorobenzene	U		0.117	3.94	10	05/31/2024 23:12	WG2295243
3,3-Dichlorobenzidine	U		0.146	3.94	10	05/31/2024 23:12	WG2295243
2,4-Dinitrotoluene	U		0.113	3.94	10	05/31/2024 23:12	WG2295243
2,6-Dinitrotoluene	U		0.129	3.94	10	05/31/2024 23:12	WG2295243
Fluoranthene	0.180	J	0.0712	0.394	10	05/31/2024 23:12	WG2295243
Fluorene	U		0.0642	0.394	10	05/31/2024 23:12	WG2295243
Hexachlorobenzene	U		0.140	3.94	10	05/31/2024 23:12	WG2295243
Hexachloro-1,3-butadiene	U		0.133	3.94	10	05/31/2024 23:12	WG2295243
Hexachlorocyclopentadiene	U		0.207	3.94	10	05/31/2024 23:12	WG2295243
Hexachloroethane	U		0.155	3.94	10	05/31/2024 23:12	WG2295243
Indeno(1,2,3-cd)pyrene	U		0.111	0.394	10	05/31/2024 23:12	WG2295243
Isophorone	U		0.121	3.94	10	05/31/2024 23:12	WG2295243
Naphthalene	0.520		0.0990	0.394	10	05/31/2024 23:12	WG2295243
Nitrobenzene	U		0.137	3.94	10	05/31/2024 23:12	WG2295243
n-Nitrosodimethylamine	U		0.585	3.94	10	05/31/2024 23:12	WG2295243
n-Nitrosodiphenylamine	U		0.298	3.94	10	05/31/2024 23:12	WG2295243
n-Nitrosodi-n-propylamine	U		0.131	3.94	10	05/31/2024 23:12	WG2295243
Phenanthrene	0.193	J	0.0783	0.394	10	05/31/2024 23:12	WG2295243
Benzylbutyl phthalate	U		0.123	3.94	10	05/31/2024 23:12	WG2295243
Bis(2-ethylhexyl)phthalate	U		0.500	3.94	10	05/31/2024 23:12	WG2295243
Di-n-butyl phthalate	U		0.135	3.94	10	05/31/2024 23:12	WG2295243
Diethyl phthalate	U		0.130	3.94	10	05/31/2024 23:12	WG2295243
Dimethyl phthalate	U		0.836	3.94	10	05/31/2024 23:12	WG2295243
Di-n-octyl phthalate	U		0.267	3.94	10	05/31/2024 23:12	WG2295243
Pyrene	0.169	J	0.0768	0.394	10	05/31/2024 23:12	WG2295243
1,2,4-Trichlorobenzene	U		0.123	3.94	10	05/31/2024 23:12	WG2295243
4-Chloro-3-methylphenol	U		0.128	3.94	10	05/31/2024 23:12	WG2295243
2-Chlorophenol	U		0.130	3.94	10	05/31/2024 23:12	WG2295243
2,4-Dichlorophenol	U		0.115	3.94	10	05/31/2024 23:12	WG2295243
2,4-Dimethylphenol	U		0.103	3.94	10	05/31/2024 23:12	WG2295243
4,6-Dinitro-2-methylphenol	U		0.894	3.94	10	05/31/2024 23:12	WG2295243
2,4-Dinitrophenol	U		0.923	3.94	10	05/31/2024 23:12	WG2295243
2-Nitrophenol	U		0.141	3.94	10	05/31/2024 23:12	WG2295243
4-Nitrophenol	U		0.123	3.94	10	05/31/2024 23:12	WG2295243
Pentachlorophenol	U		0.106	3.94	10	05/31/2024 23:12	WG2295243
Phenol	0.993	J	0.159	3.94	10	05/31/2024 23:12	WG2295243
2,4,6-Trichlorophenol	U		0.127	3.94	10	05/31/2024 23:12	WG2295243
(S) 2-Fluorophenol	*72.5*			*12.0-120*		*05/31/2024 23:12*	WG2295243
(S) Phenol-d5	*67.0*			*10.0-120*		*05/31/2024 23:12*	WG2295243
(S) Nitrobenzene-d5	*47.8*			*10.0-122*		*05/31/2024 23:12*	WG2295243
(S) 2-Fluorobiphenyl	*64.5*			*15.0-120*		*05/31/2024 23:12*	WG2295243
(S) 2,4,6-Tribromophenol	*62.0*			*10.0-127*		*05/31/2024 23:12*	WG2295243
(S) p-Terphenyl-d14	*59.6*			*10.0-120*		*05/31/2024 23:12*	WG2295243

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1739664-18 WG2295243: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	06/06/2024 09:58	WG2299600

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	5290		0.236	0.568	1	07/01/2024 20:07	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	6.00	B T8	1.07	3.22	25	06/06/2024 00:12	WG2299418
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*06/06/2024 00:12*	WG2299418

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	130	J	83.3	455	100	06/06/2024 10:29	WG2299427
C22-C32 Hydrocarbons	1080		151	455	100	06/06/2024 10:29	WG2299427
C32-C40 Hydrocarbons	1310		151	455	100	06/06/2024 10:29	WG2299427
(S) o-Terphenyl	*82.6*	J7		*18.0-148*		*06/06/2024 10:29*	WG2299427

Sample Narrative:

L1739664-19 WG2299427: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.3		1	05/27/2024 08:34	WG2293519

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.01	B J	1.38	4.15	25	05/28/2024 13:34	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-120*		*05/28/2024 13:34*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0618	0.0847	1	05/31/2024 12:45	WG2294587
Acrylonitrile	U		0.00611	0.0212	1	05/31/2024 12:45	WG2294587
Benzene	0.00173		0.000791	0.00169	1	05/31/2024 12:45	WG2294587
Bromobenzene	U		0.00152	0.0212	1	05/31/2024 12:45	WG2294587
Bromodichloromethane	U		0.00123	0.00423	1	05/31/2024 12:45	WG2294587
Bromoform	U		0.00198	0.0423	1	05/31/2024 12:45	WG2294587
Bromomethane	U	J3	0.00334	0.0212	1	05/31/2024 12:45	WG2294587
n-Butylbenzene	U		0.00889	0.0212	1	05/31/2024 12:45	WG2294587
sec-Butylbenzene	U		0.00488	0.0212	1	05/31/2024 12:45	WG2294587
tert-Butylbenzene	U		0.00330	0.00847	1	05/31/2024 12:45	WG2294587
Carbon tetrachloride	U		0.00152	0.00847	1	05/31/2024 12:45	WG2294587
Chlorobenzene	U		0.000356	0.00423	1	05/31/2024 12:45	WG2294587
Chlorodibromomethane	U		0.00104	0.00423	1	05/31/2024 12:45	WG2294587
Chloroethane	U		0.00288	0.00847	1	05/31/2024 12:45	WG2294587
Chloroform	U		0.00174	0.00423	1	05/31/2024 12:45	WG2294587
Chloromethane	U		0.00737	0.0212	1	05/31/2024 12:45	WG2294587
2-Chlorotoluene	U		0.00147	0.00423	1	05/31/2024 12:45	WG2294587
4-Chlorotoluene	U		0.000762	0.00847	1	05/31/2024 12:45	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00661	0.0423	1	05/31/2024 12:45	WG2294587
1,2-Dibromoethane	U		0.00110	0.00423	1	05/31/2024 12:45	WG2294587
Dibromomethane	U		0.00127	0.00847	1	05/31/2024 12:45	WG2294587
1,2-Dichlorobenzene	U		0.000720	0.00847	1	05/31/2024 12:45	WG2294587
1,3-Dichlorobenzene	U		0.00102	0.00847	1	05/31/2024 12:45	WG2294587
1,4-Dichlorobenzene	U		0.00119	0.00847	1	05/31/2024 12:45	WG2294587
Dichlorodifluoromethane	U	J3	0.00273	0.00847	1	05/31/2024 12:45	WG2294587
1,1-Dichloroethane	0.00859		0.000832	0.00423	1	05/31/2024 12:45	WG2294587
1,2-Dichloroethane	U		0.00110	0.00423	1	05/31/2024 12:45	WG2294587
1,1-Dichloroethene	U		0.00103	0.00423	1	05/31/2024 12:45	WG2294587
cis-1,2-Dichloroethene	0.0159		0.00124	0.00423	1	05/31/2024 12:45	WG2294587
trans-1,2-Dichloroethene	0.00195	J	0.00176	0.00847	1	05/31/2024 12:45	WG2294587
1,2-Dichloropropane	U		0.00241	0.00847	1	05/31/2024 12:45	WG2294587
1,1-Dichloropropene	U		0.00137	0.00423	1	05/31/2024 12:45	WG2294587
1,3-Dichloropropane	U		0.000849	0.00847	1	05/31/2024 12:45	WG2294587
cis-1,3-Dichloropropene	U		0.00128	0.00423	1	05/31/2024 12:45	WG2294587
trans-1,3-Dichloropropene	U		0.00193	0.00847	1	05/31/2024 12:45	WG2294587
2,2-Dichloropropane	U		0.00234	0.00423	1	05/31/2024 12:45	WG2294587
Di-isopropyl ether	U		0.000694	0.00169	1	05/31/2024 12:45	WG2294587
Ethylbenzene	U		0.00125	0.00423	1	05/31/2024 12:45	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.0102	0.0423	1	05/31/2024 12:45	WG2294587
Isopropylbenzene	0.0357		0.000720	0.00423	1	05/31/2024 12:45	WG2294587
p-Isopropyltoluene	U		0.00432	0.00847	1	05/31/2024 12:45	WG2294587
2-Butanone (MEK)	U		0.108	0.169	1	05/31/2024 12:45	WG2294587
Methylene Chloride	0.0162	J	0.0112	0.0423	1	05/31/2024 12:45	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00386	0.0423	1	05/31/2024 12:45	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000593	0.00169	1	05/31/2024 12:45	WG2294587
Naphthalene	U		0.00827	0.0212	1	05/31/2024 12:45	WG2294587
n-Propylbenzene	U		0.00161	0.00847	1	05/31/2024 12:45	WG2294587
Styrene	U		0.000388	0.0212	1	05/31/2024 12:45	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00161	0.00423	1	05/31/2024 12:45	WG2294587
1,1,2,2-Tetrachloroethane	U		0.00118	0.00423	1	05/31/2024 12:45	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00128	0.00423	1	05/31/2024 12:45	WG2294587
Tetrachloroethene	U		0.00152	0.00423	1	05/31/2024 12:45	WG2294587
Toluene	U		0.00220	0.00847	1	05/31/2024 12:45	WG2294587
1,2,3-Trichlorobenzene	U		0.0124	0.0212	1	05/31/2024 12:45	WG2294587
1,2,4-Trichlorobenzene	U		0.00745	0.0212	1	05/31/2024 12:45	WG2294587
1,1,1-Trichloroethane	U		0.00156	0.00423	1	05/31/2024 12:45	WG2294587
1,1,2-Trichloroethane	U		0.00101	0.00423	1	05/31/2024 12:45	WG2294587
Trichloroethene	0.00644		0.000989	0.00169	1	05/31/2024 12:45	WG2294587
Trichlorofluoromethane	U		0.00140	0.00423	1	05/31/2024 12:45	WG2294587
1,2,3-Trichloropropane	U		0.00274	0.0212	1	05/31/2024 12:45	WG2294587
1,2,4-Trimethylbenzene	U		0.00268	0.00847	1	05/31/2024 12:45	WG2294587
1,2,3-Trimethylbenzene	U		0.00268	0.00847	1	05/31/2024 12:45	WG2294587
1,3,5-Trimethylbenzene	U		0.00339	0.00847	1	05/31/2024 12:45	WG2294587
Vinyl chloride	U	J3	0.00196	0.00423	1	05/31/2024 12:45	WG2294587
Xylenes, Total	0.00254	J	0.00149	0.0110	1	05/31/2024 12:45	WG2294587
(S) Toluene-d8	*101*			*75.0-131*		*05/31/2024 12:45*	WG2294587
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 12:45*	WG2294587
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*05/31/2024 12:45*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.948	5.17	1	05/30/2024 16:47	WG2295239
C22-C32 Hydrocarbons	U		1.72	5.17	1	05/30/2024 16:47	WG2295239
C32-C40 Hydrocarbons	U		1.72	5.17	1	05/30/2024 16:47	WG2295239
(S) o-Terphenyl	*30.5*			*18.0-148*		*05/30/2024 16:47*	WG2295239

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	05/27/2024 08:34	WG2293519

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0556	0.0762	1	05/31/2024 13:04	WG2294587
Acrylonitrile	U		0.00550	0.0190	1	05/31/2024 13:04	WG2294587
Benzene	U		0.000712	0.00152	1	05/31/2024 13:04	WG2294587
Bromobenzene	U		0.00137	0.0190	1	05/31/2024 13:04	WG2294587
Bromodichloromethane	U		0.00110	0.00381	1	05/31/2024 13:04	WG2294587
Bromoform	U		0.00178	0.0381	1	05/31/2024 13:04	WG2294587
Bromomethane	U	J3	0.00300	0.0190	1	05/31/2024 13:04	WG2294587
n-Butylbenzene	U		0.00800	0.0190	1	05/31/2024 13:04	WG2294587
sec-Butylbenzene	U		0.00439	0.0190	1	05/31/2024 13:04	WG2294587
tert-Butylbenzene	U		0.00297	0.00762	1	05/31/2024 13:04	WG2294587
Carbon tetrachloride	U		0.00137	0.00762	1	05/31/2024 13:04	WG2294587
Chlorobenzene	U		0.000320	0.00381	1	05/31/2024 13:04	WG2294587
Chlorodibromomethane	U		0.000933	0.00381	1	05/31/2024 13:04	WG2294587
Chloroethane	U		0.00259	0.00762	1	05/31/2024 13:04	WG2294587
Chloroform	U		0.00157	0.00381	1	05/31/2024 13:04	WG2294587
Chloromethane	U		0.00663	0.0190	1	05/31/2024 13:04	WG2294587
2-Chlorotoluene	U		0.00132	0.00381	1	05/31/2024 13:04	WG2294587
4-Chlorotoluene	U		0.000686	0.00762	1	05/31/2024 13:04	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0381	1	05/31/2024 13:04	WG2294587
1,2-Dibromoethane	U		0.000987	0.00381	1	05/31/2024 13:04	WG2294587
Dibromomethane	U		0.00114	0.00762	1	05/31/2024 13:04	WG2294587
1,2-Dichlorobenzene	U		0.000648	0.00762	1	05/31/2024 13:04	WG2294587
1,3-Dichlorobenzene	U		0.000914	0.00762	1	05/31/2024 13:04	WG2294587
1,4-Dichlorobenzene	U		0.00107	0.00762	1	05/31/2024 13:04	WG2294587
Dichlorodifluoromethane	U	J3	0.00245	0.00762	1	05/31/2024 13:04	WG2294587
1,1-Dichloroethane	U		0.000748	0.00381	1	05/31/2024 13:04	WG2294587
1,2-Dichloroethane	U		0.000989	0.00381	1	05/31/2024 13:04	WG2294587
1,1-Dichloroethene	U		0.000923	0.00381	1	05/31/2024 13:04	WG2294587
cis-1,2-Dichloroethene	U		0.00112	0.00381	1	05/31/2024 13:04	WG2294587
trans-1,2-Dichloroethene	U		0.00158	0.00762	1	05/31/2024 13:04	WG2294587
1,2-Dichloropropane	U		0.00216	0.00762	1	05/31/2024 13:04	WG2294587
1,1-Dichloropropene	U		0.00123	0.00381	1	05/31/2024 13:04	WG2294587
1,3-Dichloropropane	U		0.000763	0.00762	1	05/31/2024 13:04	WG2294587
cis-1,3-Dichloropropene	U		0.00115	0.00381	1	05/31/2024 13:04	WG2294587
trans-1,3-Dichloropropene	U		0.00174	0.00762	1	05/31/2024 13:04	WG2294587
2,2-Dichloropropane	U		0.00210	0.00381	1	05/31/2024 13:04	WG2294587
Di-isopropyl ether	U		0.000625	0.00152	1	05/31/2024 13:04	WG2294587
Ethylbenzene	U		0.00112	0.00381	1	05/31/2024 13:04	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00914	0.0381	1	05/31/2024 13:04	WG2294587
Isopropylbenzene	U		0.000648	0.00381	1	05/31/2024 13:04	WG2294587
p-Isopropyltoluene	U		0.00389	0.00762	1	05/31/2024 13:04	WG2294587
2-Butanone (MEK)	U		0.0968	0.152	1	05/31/2024 13:04	WG2294587
Methylene Chloride	U		0.0101	0.0381	1	05/31/2024 13:04	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00347	0.0381	1	05/31/2024 13:04	WG2294587
Methyl tert-butyl ether	U		0.000533	0.00152	1	05/31/2024 13:04	WG2294587
Naphthalene	U		0.00744	0.0190	1	05/31/2024 13:04	WG2294587
n-Propylbenzene	U		0.00145	0.00762	1	05/31/2024 13:04	WG2294587
Styrene	U		0.000349	0.0190	1	05/31/2024 13:04	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00144	0.00381	1	05/31/2024 13:04	WG2294587
1,1,2,2-Tetrachloroethane	U		0.00106	0.00381	1	05/31/2024 13:04	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00381	1	05/31/2024 13:04	WG2294587
Tetrachloroethene	U		0.00137	0.00381	1	05/31/2024 13:04	WG2294587
Toluene	U		0.00198	0.00762	1	05/31/2024 13:04	WG2294587
1,2,3-Trichlorobenzene	U		0.0112	0.0190	1	05/31/2024 13:04	WG2294587
1,2,4-Trichlorobenzene	U		0.00671	0.0190	1	05/31/2024 13:04	WG2294587
1,1,1-Trichloroethane	U		0.00141	0.00381	1	05/31/2024 13:04	WG2294587
1,1,2-Trichloroethane	U		0.000910	0.00381	1	05/31/2024 13:04	WG2294587
Trichloroethene	0.00149	J	0.000890	0.00152	1	05/31/2024 13:04	WG2294587
Trichlorofluoromethane	U		0.00126	0.00381	1	05/31/2024 13:04	WG2294587
1,2,3-Trichloropropane	U		0.00247	0.0190	1	05/31/2024 13:04	WG2294587
1,2,4-Trimethylbenzene	U		0.00241	0.00762	1	05/31/2024 13:04	WG2294587
1,2,3-Trimethylbenzene	U		0.00241	0.00762	1	05/31/2024 13:04	WG2294587
1,3,5-Trimethylbenzene	U		0.00305	0.00762	1	05/31/2024 13:04	WG2294587
Vinyl chloride	U	J3	0.00177	0.00381	1	05/31/2024 13:04	WG2294587
Xylenes, Total	U		0.00134	0.00991	1	05/31/2024 13:04	WG2294587
(S) Toluene-d8	*101*			*75.0-131*		*05/31/2024 13:04*	WG2294587
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 13:04*	WG2294587
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*05/31/2024 13:04*	WG2294587

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	05/27/2024 08:34	WG2293519

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.31	B J	1.20	3.61	25	05/28/2024 13:53	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*05/28/2024 13:53*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0526	0.0720	1	05/31/2024 14:20	WG2294587
Acrylonitrile	U		0.00520	0.0180	1	05/31/2024 14:20	WG2294587
Benzene	U		0.000673	0.00144	1	05/31/2024 14:20	WG2294587
Bromobenzene	U		0.00130	0.0180	1	05/31/2024 14:20	WG2294587
Bromodichloromethane	U		0.00104	0.00360	1	05/31/2024 14:20	WG2294587
Bromoform	U		0.00169	0.0360	1	05/31/2024 14:20	WG2294587
Bromomethane	U	J3	0.00284	0.0180	1	05/31/2024 14:20	WG2294587
n-Butylbenzene	U		0.00756	0.0180	1	05/31/2024 14:20	WG2294587
sec-Butylbenzene	U		0.00415	0.0180	1	05/31/2024 14:20	WG2294587
tert-Butylbenzene	U		0.00281	0.00720	1	05/31/2024 14:20	WG2294587
Carbon tetrachloride	U		0.00129	0.00720	1	05/31/2024 14:20	WG2294587
Chlorobenzene	U		0.000302	0.00360	1	05/31/2024 14:20	WG2294587
Chlorodibromomethane	U		0.000881	0.00360	1	05/31/2024 14:20	WG2294587
Chloroethane	U		0.00245	0.00720	1	05/31/2024 14:20	WG2294587
Chloroform	U		0.00148	0.00360	1	05/31/2024 14:20	WG2294587
Chloromethane	U		0.00627	0.0180	1	05/31/2024 14:20	WG2294587
2-Chlorotoluene	U		0.00125	0.00360	1	05/31/2024 14:20	WG2294587
4-Chlorotoluene	U		0.000648	0.00720	1	05/31/2024 14:20	WG2294587
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0360	1	05/31/2024 14:20	WG2294587
1,2-Dibromoethane	U		0.000933	0.00360	1	05/31/2024 14:20	WG2294587
Dibromomethane	U		0.00108	0.00720	1	05/31/2024 14:20	WG2294587
1,2-Dichlorobenzene	U		0.000612	0.00720	1	05/31/2024 14:20	WG2294587
1,3-Dichlorobenzene	U		0.000864	0.00720	1	05/31/2024 14:20	WG2294587
1,4-Dichlorobenzene	U		0.00101	0.00720	1	05/31/2024 14:20	WG2294587
Dichlorodifluoromethane	U	J3	0.00232	0.00720	1	05/31/2024 14:20	WG2294587
1,1-Dichloroethane	U		0.000707	0.00360	1	05/31/2024 14:20	WG2294587
1,2-Dichloroethane	U		0.000935	0.00360	1	05/31/2024 14:20	WG2294587
1,1-Dichloroethene	U		0.000873	0.00360	1	05/31/2024 14:20	WG2294587
cis-1,2-Dichloroethene	U		0.00106	0.00360	1	05/31/2024 14:20	WG2294587
trans-1,2-Dichloroethene	U		0.00150	0.00720	1	05/31/2024 14:20	WG2294587
1,2-Dichloropropane	U		0.00205	0.00720	1	05/31/2024 14:20	WG2294587
1,1-Dichloropropene	U		0.00117	0.00360	1	05/31/2024 14:20	WG2294587
1,3-Dichloropropane	U		0.000722	0.00720	1	05/31/2024 14:20	WG2294587
cis-1,3-Dichloropropene	U		0.00109	0.00360	1	05/31/2024 14:20	WG2294587
trans-1,3-Dichloropropene	U		0.00164	0.00720	1	05/31/2024 14:20	WG2294587
2,2-Dichloropropane	U		0.00199	0.00360	1	05/31/2024 14:20	WG2294587
Di-isopropyl ether	U		0.000591	0.00144	1	05/31/2024 14:20	WG2294587
Ethylbenzene	U		0.00106	0.00360	1	05/31/2024 14:20	WG2294587
Hexachloro-1,3-butadiene	U	J3	0.00864	0.0360	1	05/31/2024 14:20	WG2294587
Isopropylbenzene	U		0.000612	0.00360	1	05/31/2024 14:20	WG2294587
p-Isopropyltoluene	U		0.00367	0.00720	1	05/31/2024 14:20	WG2294587
2-Butanone (MEK)	U		0.0915	0.144	1	05/31/2024 14:20	WG2294587
Methylene Chloride	U		0.00956	0.0360	1	05/31/2024 14:20	WG2294587
4-Methyl-2-pentanone (MIBK)	U		0.00328	0.0360	1	05/31/2024 14:20	WG2294587

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000504	0.00144	1	05/31/2024 14:20	WG2294587
Naphthalene	U		0.00703	0.0180	1	05/31/2024 14:20	WG2294587
n-Propylbenzene	U		0.00137	0.00720	1	05/31/2024 14:20	WG2294587
Styrene	U		0.000330	0.0180	1	05/31/2024 14:20	WG2294587
1,1,1,2-Tetrachloroethane	U		0.00137	0.00360	1	05/31/2024 14:20	WG2294587
1,1,2,2-Tetrachloroethane	U		0.00100	0.00360	1	05/31/2024 14:20	WG2294587
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00360	1	05/31/2024 14:20	WG2294587
Tetrachloroethene	0.00612		0.00129	0.00360	1	05/31/2024 14:20	WG2294587
Toluene	U		0.00187	0.00720	1	05/31/2024 14:20	WG2294587
1,2,3-Trichlorobenzene	U		0.0106	0.0180	1	05/31/2024 14:20	WG2294587
1,2,4-Trichlorobenzene	U		0.00634	0.0180	1	05/31/2024 14:20	WG2294587
1,1,1-Trichloroethane	U		0.00133	0.00360	1	05/31/2024 14:20	WG2294587
1,1,2-Trichloroethane	U		0.000860	0.00360	1	05/31/2024 14:20	WG2294587
Trichloroethene	0.00307		0.000841	0.00144	1	05/31/2024 14:20	WG2294587
Trichlorofluoromethane	U		0.00119	0.00360	1	05/31/2024 14:20	WG2294587
1,2,3-Trichloropropane	U		0.00233	0.0180	1	05/31/2024 14:20	WG2294587
1,2,4-Trimethylbenzene	U		0.00228	0.00720	1	05/31/2024 14:20	WG2294587
1,2,3-Trimethylbenzene	U		0.00228	0.00720	1	05/31/2024 14:20	WG2294587
1,3,5-Trimethylbenzene	U		0.00288	0.00720	1	05/31/2024 14:20	WG2294587
Vinyl chloride	U	J3	0.00167	0.00360	1	05/31/2024 14:20	WG2294587
Xylenes, Total	U		0.00127	0.00936	1	05/31/2024 14:20	WG2294587
(S) Toluene-d8	*99.7*			*75.0-131*		*05/31/2024 14:20*	WG2294587
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 14:20*	WG2294587
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*05/31/2024 14:20*	WG2294587

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.874	4.77	1	05/30/2024 17:01	WG2295239
C22-C32 Hydrocarbons	U		1.59	4.77	1	05/30/2024 17:01	WG2295239
C32-C40 Hydrocarbons	U		1.59	4.77	1	05/30/2024 17:01	WG2295239
(S) o-Terphenyl	*51.1*			*18.0-148*		*05/30/2024 17:01*	WG2295239

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	05/27/2024 08:50	WG2293520

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.34	B J	1.34	4.03	25	05/28/2024 14:13	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*05/28/2024 14:13*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0588	0.0806	1	05/29/2024 04:17	WG2294590
Acrylonitrile	U		0.00582	0.0202	1	05/29/2024 04:17	WG2294590
Benzene	U		0.000753	0.00161	1	05/29/2024 04:17	WG2294590
Bromobenzene	U		0.00145	0.0202	1	05/29/2024 04:17	WG2294590
Bromodichloromethane	U		0.00117	0.00403	1	05/29/2024 04:17	WG2294590
Bromoform	U		0.00189	0.0403	1	05/29/2024 04:17	WG2294590
Bromomethane	U		0.00318	0.0202	1	05/29/2024 04:17	WG2294590
n-Butylbenzene	U		0.00846	0.0202	1	05/29/2024 04:17	WG2294590
sec-Butylbenzene	U		0.00464	0.0202	1	05/29/2024 04:17	WG2294590
tert-Butylbenzene	U		0.00314	0.00806	1	05/29/2024 04:17	WG2294590
Carbon tetrachloride	U		0.00145	0.00806	1	05/29/2024 04:17	WG2294590
Chlorobenzene	U		0.000339	0.00403	1	05/29/2024 04:17	WG2294590
Chlorodibromomethane	U		0.000987	0.00403	1	05/29/2024 04:17	WG2294590
Chloroethane	U		0.00274	0.00806	1	05/29/2024 04:17	WG2294590
Chloroform	U		0.00166	0.00403	1	05/29/2024 04:17	WG2294590
Chloromethane	U		0.00701	0.0202	1	05/29/2024 04:17	WG2294590
2-Chlorotoluene	U		0.00139	0.00403	1	05/29/2024 04:17	WG2294590
4-Chlorotoluene	U		0.000726	0.00806	1	05/29/2024 04:17	WG2294590
1,2-Dibromo-3-Chloropropane	U		0.00629	0.0403	1	05/29/2024 04:17	WG2294590
1,2-Dibromoethane	U		0.00104	0.00403	1	05/29/2024 04:17	WG2294590
Dibromomethane	U		0.00121	0.00806	1	05/29/2024 04:17	WG2294590
1,2-Dichlorobenzene	U		0.000685	0.00806	1	05/29/2024 04:17	WG2294590
1,3-Dichlorobenzene	U		0.000967	0.00806	1	05/29/2024 04:17	WG2294590
1,4-Dichlorobenzene	U		0.00113	0.00806	1	05/29/2024 04:17	WG2294590
Dichlorodifluoromethane	U		0.00260	0.00806	1	05/29/2024 04:17	WG2294590
1,1-Dichloroethane	U		0.000792	0.00403	1	05/29/2024 04:17	WG2294590
1,2-Dichloroethane	U		0.00105	0.00403	1	05/29/2024 04:17	WG2294590
1,1-Dichloroethene	U		0.000977	0.00403	1	05/29/2024 04:17	WG2294590
cis-1,2-Dichloroethene	U		0.00118	0.00403	1	05/29/2024 04:17	WG2294590
trans-1,2-Dichloroethene	U		0.00168	0.00806	1	05/29/2024 04:17	WG2294590
1,2-Dichloropropane	U		0.00229	0.00806	1	05/29/2024 04:17	WG2294590
1,1-Dichloropropene	U		0.00130	0.00403	1	05/29/2024 04:17	WG2294590
1,3-Dichloropropane	U		0.000808	0.00806	1	05/29/2024 04:17	WG2294590
cis-1,3-Dichloropropene	U		0.00122	0.00403	1	05/29/2024 04:17	WG2294590
trans-1,3-Dichloropropene	U		0.00184	0.00806	1	05/29/2024 04:17	WG2294590
2,2-Dichloropropane	U		0.00222	0.00403	1	05/29/2024 04:17	WG2294590
Di-isopropyl ether	U		0.000661	0.00161	1	05/29/2024 04:17	WG2294590
Ethylbenzene	U		0.00119	0.00403	1	05/29/2024 04:17	WG2294590
Hexachloro-1,3-butadiene	U		0.00967	0.0403	1	05/29/2024 04:17	WG2294590
Isopropylbenzene	U		0.000685	0.00403	1	05/29/2024 04:17	WG2294590
p-Isopropyltoluene	U		0.00411	0.00806	1	05/29/2024 04:17	WG2294590
2-Butanone (MEK)	U		0.102	0.161	1	05/29/2024 04:17	WG2294590
Methylene Chloride	U		0.0107	0.0403	1	05/29/2024 04:17	WG2294590
4-Methyl-2-pentanone (MIBK)	U		0.00368	0.0403	1	05/29/2024 04:17	WG2294590

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000564	0.00161	1	05/29/2024 04:17	WG2294590
Naphthalene	U		0.00787	0.0202	1	05/29/2024 04:17	WG2294590
n-Propylbenzene	U		0.00153	0.00806	1	05/29/2024 04:17	WG2294590
Styrene	U		0.000369	0.0202	1	05/29/2024 04:17	WG2294590
1,1,1,2-Tetrachloroethane	U		0.00153	0.00403	1	05/29/2024 04:17	WG2294590
1,1,2,2-Tetrachloroethane	U		0.00112	0.00403	1	05/29/2024 04:17	WG2294590
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00403	1	05/29/2024 04:17	WG2294590
Tetrachloroethene	U		0.00144	0.00403	1	05/29/2024 04:17	WG2294590
Toluene	U		0.00210	0.00806	1	05/29/2024 04:17	WG2294590
1,2,3-Trichlorobenzene	U		0.0118	0.0202	1	05/29/2024 04:17	WG2294590
1,2,4-Trichlorobenzene	U		0.00709	0.0202	1	05/29/2024 04:17	WG2294590
1,1,1-Trichloroethane	U		0.00149	0.00403	1	05/29/2024 04:17	WG2294590
1,1,2-Trichloroethane	U		0.000963	0.00403	1	05/29/2024 04:17	WG2294590
Trichloroethene	U		0.000942	0.00161	1	05/29/2024 04:17	WG2294590
Trichlorofluoromethane	U		0.00133	0.00403	1	05/29/2024 04:17	WG2294590
1,2,3-Trichloropropane	U		0.00261	0.0202	1	05/29/2024 04:17	WG2294590
1,2,4-Trimethylbenzene	U		0.00255	0.00806	1	05/29/2024 04:17	WG2294590
1,2,3-Trimethylbenzene	U		0.00255	0.00806	1	05/29/2024 04:17	WG2294590
1,3,5-Trimethylbenzene	U		0.00322	0.00806	1	05/29/2024 04:17	WG2294590
Vinyl chloride	U		0.00187	0.00403	1	05/29/2024 04:17	WG2294590
Xylenes, Total	U		0.00142	0.0105	1	05/29/2024 04:17	WG2294590
(S) Toluene-d8	*103*			*75.0-131*		*05/29/2024 04:17*	WG2294590
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/29/2024 04:17*	WG2294590
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*		*05/29/2024 04:17*	WG2294590

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.931	5.08	1	05/30/2024 17:15	WG2295239
C22-C32 Hydrocarbons	U		1.69	5.08	1	05/30/2024 17:15	WG2295239
C32-C40 Hydrocarbons	U		1.69	5.08	1	05/30/2024 17:15	WG2295239
(S) o-Terphenyl	*43.3*			*18.0-148*		*05/30/2024 17:15*	WG2295239

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	05/27/2024 08:50	WG2293520

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.32	3.99	25	05/28/2024 14:32	WG2294179
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*05/28/2024 14:32*	WG2294179

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0582	0.0797	1	05/29/2024 04:36	WG2294590
Acrylonitrile	U		0.00575	0.0199	1	05/29/2024 04:36	WG2294590
Benzene	U		0.000744	0.00159	1	05/29/2024 04:36	WG2294590
Bromobenzene	U		0.00143	0.0199	1	05/29/2024 04:36	WG2294590
Bromodichloromethane	U		0.00116	0.00399	1	05/29/2024 04:36	WG2294590
Bromoform	U		0.00187	0.0399	1	05/29/2024 04:36	WG2294590
Bromomethane	U		0.00314	0.0199	1	05/29/2024 04:36	WG2294590
n-Butylbenzene	U		0.00837	0.0199	1	05/29/2024 04:36	WG2294590
sec-Butylbenzene	U		0.00459	0.0199	1	05/29/2024 04:36	WG2294590
tert-Butylbenzene	U		0.00311	0.00797	1	05/29/2024 04:36	WG2294590
Carbon tetrachloride	U		0.00143	0.00797	1	05/29/2024 04:36	WG2294590
Chlorobenzene	U		0.000335	0.00399	1	05/29/2024 04:36	WG2294590
Chlorodibromomethane	U		0.000976	0.00399	1	05/29/2024 04:36	WG2294590
Chloroethane	U		0.00271	0.00797	1	05/29/2024 04:36	WG2294590
Chloroform	U		0.00164	0.00399	1	05/29/2024 04:36	WG2294590
Chloromethane	U		0.00693	0.0199	1	05/29/2024 04:36	WG2294590
2-Chlorotoluene	U		0.00138	0.00399	1	05/29/2024 04:36	WG2294590
4-Chlorotoluene	U		0.000717	0.00797	1	05/29/2024 04:36	WG2294590
1,2-Dibromo-3-Chloropropane	U		0.00622	0.0399	1	05/29/2024 04:36	WG2294590
1,2-Dibromoethane	U		0.00103	0.00399	1	05/29/2024 04:36	WG2294590
Dibromomethane	U		0.00120	0.00797	1	05/29/2024 04:36	WG2294590
1,2-Dichlorobenzene	U		0.000678	0.00797	1	05/29/2024 04:36	WG2294590
1,3-Dichlorobenzene	U		0.000956	0.00797	1	05/29/2024 04:36	WG2294590
1,4-Dichlorobenzene	U		0.00112	0.00797	1	05/29/2024 04:36	WG2294590
Dichlorodifluoromethane	U		0.00257	0.00797	1	05/29/2024 04:36	WG2294590
1,1-Dichloroethane	U		0.000783	0.00399	1	05/29/2024 04:36	WG2294590
1,2-Dichloroethane	U		0.00103	0.00399	1	05/29/2024 04:36	WG2294590
1,1-Dichloroethene	0.0274		0.000966	0.00399	1	05/29/2024 04:36	WG2294590
cis-1,2-Dichloroethene	U		0.00117	0.00399	1	05/29/2024 04:36	WG2294590
trans-1,2-Dichloroethene	U		0.00166	0.00797	1	05/29/2024 04:36	WG2294590
1,2-Dichloropropane	U		0.00226	0.00797	1	05/29/2024 04:36	WG2294590
1,1-Dichloropropene	U		0.00129	0.00399	1	05/29/2024 04:36	WG2294590
1,3-Dichloropropane	U		0.000799	0.00797	1	05/29/2024 04:36	WG2294590
cis-1,3-Dichloropropene	U		0.00121	0.00399	1	05/29/2024 04:36	WG2294590
trans-1,3-Dichloropropene	U		0.00182	0.00797	1	05/29/2024 04:36	WG2294590
2,2-Dichloropropane	U		0.00220	0.00399	1	05/29/2024 04:36	WG2294590
Di-isopropyl ether	U		0.000654	0.00159	1	05/29/2024 04:36	WG2294590
Ethylbenzene	U		0.00117	0.00399	1	05/29/2024 04:36	WG2294590
Hexachloro-1,3-butadiene	U		0.00956	0.0399	1	05/29/2024 04:36	WG2294590
Isopropylbenzene	U		0.000678	0.00399	1	05/29/2024 04:36	WG2294590
p-Isopropyltoluene	U		0.00407	0.00797	1	05/29/2024 04:36	WG2294590
2-Butanone (MEK)	U		0.101	0.159	1	05/29/2024 04:36	WG2294590
Methylene Chloride	U		0.0106	0.0399	1	05/29/2024 04:36	WG2294590
4-Methyl-2-pentanone (MIBK)	U		0.00363	0.0399	1	05/29/2024 04:36	WG2294590

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000558	0.00159	1	05/29/2024 04:36	WG2294590
Naphthalene	U		0.00778	0.0199	1	05/29/2024 04:36	WG2294590
n-Propylbenzene	U		0.00151	0.00797	1	05/29/2024 04:36	WG2294590
Styrene	U		0.000365	0.0199	1	05/29/2024 04:36	WG2294590
1,1,1,2-Tetrachloroethane	U		0.00151	0.00399	1	05/29/2024 04:36	WG2294590
1,1,2,2-Tetrachloroethane	U		0.00111	0.00399	1	05/29/2024 04:36	WG2294590
1,1,2-Trichlorotrifluoroethane	U		0.00120	0.00399	1	05/29/2024 04:36	WG2294590
Tetrachloroethene	U		0.00143	0.00399	1	05/29/2024 04:36	WG2294590
Toluene	U		0.00207	0.00797	1	05/29/2024 04:36	WG2294590
1,2,3-Trichlorobenzene	U		0.0117	0.0199	1	05/29/2024 04:36	WG2294590
1,2,4-Trichlorobenzene	U		0.00701	0.0199	1	05/29/2024 04:36	WG2294590
1,1,1-Trichloroethane	U		0.00147	0.00399	1	05/29/2024 04:36	WG2294590
1,1,2-Trichloroethane	U		0.000952	0.00399	1	05/29/2024 04:36	WG2294590
Trichloroethene	U		0.000931	0.00159	1	05/29/2024 04:36	WG2294590
Trichlorofluoromethane	U		0.00132	0.00399	1	05/29/2024 04:36	WG2294590
1,2,3-Trichloropropane	U		0.00258	0.0199	1	05/29/2024 04:36	WG2294590
1,2,4-Trimethylbenzene	U		0.00252	0.00797	1	05/29/2024 04:36	WG2294590
1,2,3-Trimethylbenzene	U		0.00252	0.00797	1	05/29/2024 04:36	WG2294590
1,3,5-Trimethylbenzene	U		0.00319	0.00797	1	05/29/2024 04:36	WG2294590
Vinyl chloride	U		0.00185	0.00399	1	05/29/2024 04:36	WG2294590
Xylenes, Total	U		0.00140	0.0104	1	05/29/2024 04:36	WG2294590
(S) Toluene-d8	*104*			*75.0-131*		*05/29/2024 04:36*	WG2294590
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/29/2024 04:36*	WG2294590
(S) 1,2-Dichloroethane-d4	*87.2*			*70.0-130*		*05/29/2024 04:36*	WG2294590

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.922	5.03	1	05/30/2024 17:28	WG2295239
C22-C32 Hydrocarbons	U		1.67	5.03	1	05/30/2024 17:28	WG2295239
C32-C40 Hydrocarbons	U		1.67	5.03	1	05/30/2024 17:28	WG2295239
(S) o-Terphenyl	*43.0*			*18.0-148*		*05/30/2024 17:28*	WG2295239

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/27/2024 12:23	WG2293040
Mercury,Dissolved	U	J6	0.100	0.200	1	05/26/2024 16:51	WG2293143

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	74.8		0.736	5.00	1	05/31/2024 12:12	WG2295517
Beryllium,Dissolved	U		0.330	2.00	1	05/31/2024 12:12	WG2295517
Chromium,Dissolved	U		1.40	10.0	1	05/31/2024 12:12	WG2295517
Cobalt,Dissolved	4.42	J	0.840	10.0	1	05/31/2024 12:12	WG2295517
Molybdenum,Dissolved	75.6		1.16	5.00	1	05/31/2024 12:12	WG2295517
Vanadium,Dissolved	5.80	J	4.99	20.0	1	05/31/2024 12:12	WG2295517

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	05/31/2024 16:06	WG2295552
Antimony,Dissolved	U		1.03	4.00	1	06/06/2024 10:28	WG2296345
Arsenic	2.24		0.180	2.00	1	05/31/2024 16:06	WG2295552
Arsenic,Dissolved	2.13		0.180	2.00	1	06/06/2024 10:28	WG2296345
Barium	215		0.381	2.00	1	05/31/2024 16:06	WG2295552
Beryllium	0.377	J	0.190	2.00	1	05/31/2024 16:06	WG2295552
Cadmium	0.318	J	0.150	1.00	1	05/31/2024 16:06	WG2295552
Cadmium,Dissolved	U		0.150	1.00	1	06/06/2024 10:28	WG2296345
Chromium	17.8		1.24	2.00	1	05/31/2024 16:06	WG2295552
Copper	30.7		1.51	5.00	1	05/31/2024 16:06	WG2295552
Copper,Dissolved	5.65		1.51	5.00	1	06/06/2024 10:28	WG2296345
Cobalt	12.5		0.0596	2.00	1	05/31/2024 16:06	WG2295552
Lead	8.18		0.849	2.00	1	05/31/2024 16:06	WG2295552
Lead,Dissolved	U		0.849	2.00	1	06/06/2024 10:28	WG2296345
Molybdenum	23.0		0.348	5.00	1	05/31/2024 16:06	WG2295552
Nickel	85.9		0.816	2.00	1	05/31/2024 16:06	WG2295552
Nickel,Dissolved	43.3		0.816	2.00	1	06/06/2024 10:28	WG2296345
Selenium	U		0.300	2.00	1	05/31/2024 16:06	WG2295552
Selenium,Dissolved	U		0.300	2.00	1	06/06/2024 10:28	WG2296345
Silver	U		0.0700	2.00	1	05/31/2024 16:06	WG2295552
Silver,Dissolved	U		0.0700	2.00	1	06/06/2024 10:28	WG2296345
Thallium	U		0.121	2.00	1	05/31/2024 16:06	WG2295552
Thallium,Dissolved	U		0.121	2.00	1	06/06/2024 10:28	WG2296345
Vanadium	24.4		0.664	5.00	1	05/31/2024 16:06	WG2295552
Zinc	49.2		3.02	25.0	1	05/31/2024 16:06	WG2295552
Zinc,Dissolved	3.44	J	3.02	25.0	1	06/06/2024 10:28	WG2296345

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	110	B	30.4	100	1	05/27/2024 04:52	WG2293775
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*05/27/2024 04:52*	WG2293775

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/30/2024 02:13	WG2295186
Acrolein	U		2.54	50.0	1	05/30/2024 02:13	WG2295186
Acrylonitrile	U		0.671	10.0	1	05/30/2024 02:13	WG2295186
Benzene	U		0.0941	1.00	1	05/30/2024 02:13	WG2295186
Bromobenzene	U		0.118	1.00	1	05/30/2024 02:13	WG2295186
Bromodichloromethane	U		0.136	1.00	1	05/30/2024 02:13	WG2295186
Bromoform	U		0.129	1.00	1	05/30/2024 02:13	WG2295186
Bromomethane	U		0.605	5.00	1	05/30/2024 02:13	WG2295186
n-Butylbenzene	U		0.157	1.00	1	05/30/2024 02:13	WG2295186
sec-Butylbenzene	U		0.125	1.00	1	05/30/2024 02:13	WG2295186
tert-Butylbenzene	U		0.127	1.00	1	05/30/2024 02:13	WG2295186
Carbon tetrachloride	U		0.128	1.00	1	05/30/2024 02:13	WG2295186
Chlorobenzene	U		0.116	1.00	1	05/30/2024 02:13	WG2295186
Chlorodibromomethane	U		0.140	1.00	1	05/30/2024 02:13	WG2295186
Chloroethane	U		0.192	5.00	1	05/30/2024 02:13	WG2295186
Chloroform	U		0.111	5.00	1	05/30/2024 02:13	WG2295186
Chloromethane	U		0.960	2.50	1	05/30/2024 02:13	WG2295186
2-Chlorotoluene	U		0.106	1.00	1	05/30/2024 02:13	WG2295186
4-Chlorotoluene	U		0.114	1.00	1	05/30/2024 02:13	WG2295186
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/30/2024 02:13	WG2295186
1,2-Dibromoethane	U		0.126	1.00	1	05/30/2024 02:13	WG2295186
Dibromomethane	U		0.122	1.00	1	05/30/2024 02:13	WG2295186
1,2-Dichlorobenzene	U		0.107	1.00	1	05/30/2024 02:13	WG2295186
1,3-Dichlorobenzene	U		0.110	1.00	1	05/30/2024 02:13	WG2295186
1,4-Dichlorobenzene	U		0.120	1.00	1	05/30/2024 02:13	WG2295186
Dichlorodifluoromethane	U		0.374	5.00	1	05/30/2024 02:13	WG2295186
1,1-Dichloroethane	U		0.100	1.00	1	05/30/2024 02:13	WG2295186
1,2-Dichloroethane	U		0.0819	1.00	1	05/30/2024 02:13	WG2295186
1,1-Dichloroethene	U		0.188	1.00	1	05/30/2024 02:13	WG2295186
cis-1,2-Dichloroethene	0.492	J	0.126	1.00	1	05/30/2024 02:13	WG2295186
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/30/2024 02:13	WG2295186
1,2-Dichloropropane	U		0.149	1.00	1	05/30/2024 02:13	WG2295186
1,1-Dichloropropene	U		0.142	1.00	1	05/30/2024 02:13	WG2295186
1,3-Dichloropropane	U		0.110	1.00	1	05/30/2024 02:13	WG2295186
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/30/2024 02:13	WG2295186
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/30/2024 02:13	WG2295186
2,2-Dichloropropane	U		0.161	1.00	1	05/30/2024 02:13	WG2295186
Di-isopropyl ether	U		0.105	1.00	1	05/30/2024 02:13	WG2295186
Ethylbenzene	U		0.137	1.00	1	05/30/2024 02:13	WG2295186
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/30/2024 02:13	WG2295186
Isopropylbenzene	U		0.105	1.00	1	05/30/2024 02:13	WG2295186
p-Isopropyltoluene	U		0.120	1.00	1	05/30/2024 02:13	WG2295186
2-Butanone (MEK)	U		1.19	10.0	1	05/30/2024 02:13	WG2295186
Methylene Chloride	U		0.430	5.00	1	05/30/2024 02:13	WG2295186
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/30/2024 02:13	WG2295186
Methyl tert-butyl ether	0.916	J	0.101	1.00	1	05/30/2024 02:13	WG2295186
Naphthalene	U		1.00	5.00	1	05/30/2024 02:13	WG2295186
n-Propylbenzene	U		0.0993	1.00	1	05/30/2024 02:13	WG2295186
Styrene	U		0.118	1.00	1	05/30/2024 02:13	WG2295186
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/30/2024 02:13	WG2295186
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/30/2024 02:13	WG2295186
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/30/2024 02:13	WG2295186
Tetrachloroethene	U		0.300	1.00	1	05/30/2024 02:13	WG2295186
Toluene	U		0.278	1.00	1	05/30/2024 02:13	WG2295186
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/30/2024 02:13	WG2295186
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/30/2024 02:13	WG2295186

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/30/2024 02:13	WG2295186
1,1,2-Trichloroethane	U		0.158	1.00	1	05/30/2024 02:13	WG2295186
Trichloroethene	0.301	J	0.190	1.00	1	05/30/2024 02:13	WG2295186
Trichlorofluoromethane	U		0.160	5.00	1	05/30/2024 02:13	WG2295186
1,2,3-Trichloropropane	U		0.237	2.50	1	05/30/2024 02:13	WG2295186
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/30/2024 02:13	WG2295186
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 02:13	WG2295186
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/30/2024 02:13	WG2295186
Vinyl chloride	U		0.234	1.00	1	05/30/2024 02:13	WG2295186
Xylenes, Total	U		0.174	3.00	1	05/30/2024 02:13	WG2295186
(S) Toluene-d8	*107*			*80.0-120*		*05/30/2024 02:13*	WG2295186
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*05/30/2024 02:13*	WG2295186
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/30/2024 02:13*	WG2295186

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	467		33.0	100	1	06/02/2024 09:50	WG2296326
C22-C32 Hydrocarbons	610		33.0	100	1	06/02/2024 09:50	WG2296326
C32-C40 Hydrocarbons	268		33.0	100	1	06/02/2024 09:50	WG2296326
(S) o-Terphenyl	*68.4*			*52.0-156*		*06/02/2024 09:50*	WG2296326

Method Blank (MB)

(MB) R4073968-1 05/24/24 15:10

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739705-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1739705-02 05/24/24 15:10 • (DUP) R4073968-3 05/24/24 15:10

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.7	97.3	1	0.570		10

Laboratory Control Sample (LCS)

(LCS) R4073968-2 05/24/24 15:10

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074377-1 05/27/24 07:35

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1738627-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1738627-31 05/27/24 07:35 • (DUP) R4074377-3 05/27/24 07:35

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.7	87.1	1	1.65		10

Laboratory Control Sample (LCS)

(LCS) R4074377-2 05/27/24 07:35

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074390-1 05/27/24 08:34

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739664-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1739664-11 05/27/24 08:34 • (DUP) R4074390-3 05/27/24 08:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.0	94.7	1	0.298		10

Laboratory Control Sample (LCS)

(LCS) R4074390-2 05/27/24 08:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074391-1 05/27/24 08:50

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739865-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1739865-11 05/27/24 08:50 • (DUP) R4074391-3 05/27/24 08:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.3	84.8	1	0.548		10

Laboratory Control Sample (LCS)

(LCS) R4074391-2 05/27/24 08:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4078452-1 06/06/24 09:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00400			

L1739664-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1739664-10 06/06/24 09:58 • (DUP) R4078452-3 06/06/24 09:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.8	92.0	1	1.93		10

Laboratory Control Sample (LCS)

(LCS) R4078452-2 06/06/24 09:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4074340-1 05/27/24 14:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074340-2 05/27/24 14:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	2.93	97.8	80.0-120	

L1739203-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739203-01 05/27/24 14:30 • (MS) R4074340-4 05/27/24 14:34 • (MSD) R4074340-5 05/27/24 14:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	2.70	2.79	89.9	93.0	1	75.0-125			3.33	20

Method Blank (MB)

(MB) R4074302-1 05/27/24 12:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074302-2 05/27/24 12:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	2.96	98.7	80.0-120	

L1739693-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739693-08 05/27/24 12:14 • (MS) R4074302-4 05/27/24 12:18 • (MSD) R4074302-5 05/27/24 12:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	U	2.89	2.95	96.2	98.3	1	75.0-125			2.20	20

Method Blank (MB)

(MB) R4074158-1 05/26/24 16:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074158-2 05/26/24 16:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury,Dissolved	3.00	3.30	110	80.0-120	

L1739664-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739664-28 05/26/24 16:51 • (MS) R4074158-4 05/26/24 16:56 • (MSD) R4074158-5 05/26/24 17:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury,Dissolved	3.00	U	2.20	2.29	73.2	76.5	1	75.0-125	J6		4.37	20

Method Blank (MB)

(MB) R4074249-1 05/26/24 21:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4074249-2 05/26/24 21:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.495	98.9	80.0-120	

L1739687-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739687-26 05/26/24 21:55 • (MS) R4074249-4 05/26/24 22:00 • (MSD) R4074249-5 05/26/24 22:02

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.478	0.434	95.6	86.8	1	75.0-125			9.69	20

Method Blank (MB)

(MB) R4078912-1 06/07/24 16:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4078912-2 06/07/24 16:42

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.474	94.8	80.0-120	

L1742846-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742846-15 06/07/24 16:45 • (MS) R4078912-4 06/07/24 16:50 • (MSD) R4078912-5 06/07/24 16:53

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.658	U	0.632	0.640	96.0	97.3	1	75.0-125			1.32	20

QUALITY CONTROL SUMMARY

L1739664-02,03,07,08,09,16,17,18

Method Blank (MB)

(MB) R4076238-1 06/01/24 18:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	0.113	J	0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4076238-2 06/01/24 18:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	102	102	80.0-120	
Arsenic	100	107	107	80.0-120	
Barium	100	107	107	80.0-120	
Beryllium	100	105	105	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	109	109	80.0-120	
Cobalt	100	100	100	80.0-120	
Copper	100	108	108	80.0-120	
Lead	100	103	103	80.0-120	
Molybdenum	100	107	107	80.0-120	
Nickel	100	105	105	80.0-120	
Selenium	100	101	101	80.0-120	
Silver	20.0	19.4	97.0	80.0-120	
Thallium	100	105	105	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	104	104	80.0-120	

L1739664-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739664-18 06/01/24 18:32 • (MS) R4076238-5 06/01/24 18:37 • (MSD) R4076238-6 06/01/24 18:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	118	U	72.2	82.9	60.9	70.0	1	75.0-125	J6	J6	13.9	20
Arsenic	118	3.17	98.8	112	80.7	92.2	1	75.0-125			12.9	20
Barium	118	70.4	165	196	79.5	106	1	75.0-125			17.6	20
Beryllium	118	0.379	93.0	108	78.2	91.0	1	75.0-125			15.1	20
Cadmium	118	1.24	97.0	108	80.8	90.1	1	75.0-125			10.7	20
Chromium	118	38.2	137	144	83.8	89.8	1	75.0-125			5.02	20
Cobalt	118	2.78	90.8	108	74.3	88.9	1	75.0-125	J6		17.3	20
Copper	118	52.9	128	145	63.7	78.0	1	75.0-125	J6		12.4	20
Lead	118	1030	1260	968	196	0.000	1	75.0-125	V	J3 V	26.1	20
Molybdenum	118	3.95	92.6	105	74.9	85.4	1	75.0-125	J6		12.6	20
Nickel	118	17.1	103	122	72.3	88.4	1	75.0-125	J6		16.9	20
Selenium	118	U	92.0	104	77.7	88.1	1	75.0-125			12.6	20
Silver	23.7	1.18	20.1	21.6	79.7	86.1	1	75.0-125			7.30	20
Thallium	118	2.44	97.1	106	79.9	87.5	1	75.0-125			8.85	20
Vanadium	118	12.0	101	118	75.1	89.1	1	75.0-125			15.2	20
Zinc	118	326	590	488	223	137	1	75.0-125	J5	J5	18.9	20

Method Blank (MB)

(MB) R4077339-1 06/04/24 23:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	0.146	J	0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077339-2 06/04/24 23:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	92.9	92.9	80.0-120	
Arsenic	100	91.6	91.6	80.0-120	
Barium	100	94.7	94.7	80.0-120	
Beryllium	100	91.7	91.7	80.0-120	
Cadmium	100	89.4	89.4	80.0-120	
Chromium	100	96.2	96.2	80.0-120	
Cobalt	100	91.0	91.0	80.0-120	
Copper	100	92.7	92.7	80.0-120	
Lead	100	94.8	94.8	80.0-120	
Molybdenum	100	95.5	95.5	80.0-120	
Nickel	100	89.2	89.2	80.0-120	
Selenium	100	89.6	89.6	80.0-120	
Silver	20.0	18.8	93.9	80.0-120	
Thallium	100	94.5	94.5	80.0-120	
Vanadium	100	90.7	90.7	80.0-120	
Zinc	100	93.6	93.6	80.0-120	

L1742687-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742687-01 06/04/24 23:26 • (MS) R4077339-5 06/04/24 23:31 • (MSD) R4077339-6 06/04/24 23:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	8.35	85.1	84.3	76.8	76.0	1	75.0-125			0.957	20
Arsenic	100	101	222	112	120	10.6	1	75.0-125		J3 J6	65.8	20
Barium	100	34.5	148	140	113	105	1	75.0-125			5.58	20
Beryllium	100	3.97	101	104	96.7	100	1	75.0-125			3.40	20
Cadmium	100	U	98.9	101	98.9	101	1	75.0-125			2.44	20
Chromium	100	58.0	181	137	123	79.2	1	75.0-125		J3	27.3	20
Cobalt	100	4.32	101	101	96.6	96.9	1	75.0-125			0.255	20
Copper	100	8.02	115	119	107	111	1	75.0-125			3.71	20
Lead	100	82.4	186	145	103	63.1	1	75.0-125		J3 J6	24.3	20
Molybdenum	100	U	62.1	62.5	62.1	62.5	1	75.0-125	J6	J6	0.725	20
Nickel	100	34.0	129	123	94.7	88.7	1	75.0-125			4.78	20
Selenium	100	U	19.9	25.5	19.9	25.5	1	75.0-125	J6	J3 J6	24.9	20
Silver	20.0	36.5	58.1	39.2	108	13.9	1	75.0-125		J3 J6	38.8	20
Thallium	100	8.12	104	105	95.5	96.6	1	75.0-125			1.14	20
Vanadium	100	337	421	361	84.0	23.9	1	75.0-125		J6	15.4	20
Zinc	100	4030	4180	4190	147	152	1	75.0-125	E V	E V	0.105	20

Method Blank (MB)

(MB) R4080452-1 06/11/24 18:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4080452-2 06/11/24 18:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	97.1	97.1	80.0-120	
Arsenic	100	97.9	97.9	80.0-120	
Barium	100	103	103	80.0-120	
Beryllium	100	102	102	80.0-120	
Cadmium	100	98.8	98.8	80.0-120	
Chromium	100	103	103	80.0-120	
Cobalt	100	96.8	96.8	80.0-120	
Copper	100	103	103	80.0-120	
Lead	100	97.1	97.1	80.0-120	
Molybdenum	100	102	102	80.0-120	
Nickel	100	96.4	96.4	80.0-120	
Selenium	100	96.8	96.8	80.0-120	
Silver	20.0	19.9	99.6	80.0-120	
Thallium	100	99.9	99.9	80.0-120	
Vanadium	100	100	100	80.0-120	
Zinc	100	98.7	98.7	80.0-120	

L1742832-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742832-02 06/11/24 18:53 • (MS) R4080452-5 06/11/24 18:59 • (MSD) R4080452-6 06/11/24 19:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	23.6	91.1	92.9	67.6	69.3	1	75.0-125	J6	J6	1.91	20
Arsenic	100	8.33	112	110	103	102	1	75.0-125			1.13	20
Barium	100	200	289	343	88.9	143	1	75.0-125		J5	17.0	20
Beryllium	100	0.145	96.0	94.7	95.8	94.6	1	75.0-125			1.35	20
Cadmium	100	0.125	107	105	107	105	1	75.0-125			1.97	20
Chromium	100	536	872	677	336	141	1	75.0-125	V	J3 V	25.2	20
Cobalt	100	6.58	108	107	102	100	1	75.0-125			1.10	20
Copper	100	154	246	225	91.9	71.0	1	75.0-125		J6	8.87	20
Lead	100	7.11	108	108	101	101	1	75.0-125			0.213	20
Molybdenum	100	10.8	106	104	95.4	93.6	1	75.0-125			1.69	20
Nickel	100	61.8	155	145	93.5	83.3	1	75.0-125			6.79	20
Selenium	100	9.90	130	129	120	119	1	75.0-125			0.681	20
Silver	20.0	10.9	32.9	33.7	110	114	1	75.0-125			2.64	20
Thallium	100	1.74	101	102	99.4	100	1	75.0-125			0.633	20
Vanadium	100	134	226	246	92.1	112	1	75.0-125			8.40	20
Zinc	100	33.4	117	115	83.2	81.5	1	75.0-125			1.44	20

Method Blank (MB)

(MB) R4088878-1 07/01/24 19:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500

Laboratory Control Sample (LCS)

(LCS) R4088878-2 07/01/24 19:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	92.2	92.2	80.0-120	

L1741921-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-16 07/01/24 19:55 • (MS) R4088878-5 07/01/24 20:00 • (MSD) R4088878-6 07/01/24 20:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	123	31.9	127	133	76.6	82.2	1	75.0-125			5.30	20

Method Blank (MB)

(MB) R4075820-1 05/31/24 11:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	0.761		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4075820-2 05/31/24 11:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	1010	101	80.0-120	
Beryllium,Dissolved	1000	1020	102	80.0-120	
Chromium,Dissolved	1000	1040	104	80.0-120	
Cobalt,Dissolved	1000	951	95.1	80.0-120	
Molybdenum,Dissolved	1000	1010	101	80.0-120	
Vanadium,Dissolved	1000	998	99.8	80.0-120	

L1739618-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739618-07 05/31/24 11:32 • (MS) R4075820-4 05/31/24 11:38 • (MSD) R4075820-5 05/31/24 11:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	65.3	1060	1070	99.8	101	1	75.0-125			0.717	20
Beryllium,Dissolved	1000	U	1020	1020	102	102	1	75.0-125			0.672	20
Chromium,Dissolved	1000	1.58	1030	1040	103	104	1	75.0-125			0.822	20
Cobalt,Dissolved	1000	6.77	971	979	96.4	97.2	1	75.0-125			0.868	20
Molybdenum,Dissolved	1000	1.88	1010	1020	101	102	1	75.0-125			0.785	20
Vanadium,Dissolved	1000	U	1010	1020	101	102	1	75.0-125			0.911	20

Method Blank (MB)

(MB) R4075868-1 05/31/24 15:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4075868-2 05/31/24 15:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	52.7	105	80.0-120	
Arsenic	50.0	54.0	108	80.0-120	
Barium	50.0	50.3	101	80.0-120	
Beryllium	50.0	53.7	107	80.0-120	
Cadmium	50.0	53.9	108	80.0-120	
Chromium	50.0	55.6	111	80.0-120	
Copper	50.0	55.4	111	80.0-120	
Cobalt	50.0	55.0	110	80.0-120	
Lead	50.0	51.4	103	80.0-120	
Molybdenum	50.0	51.8	104	80.0-120	
Nickel	50.0	55.4	111	80.0-120	
Selenium	50.0	51.3	103	80.0-120	
Silver	50.0	51.0	102	80.0-120	
Thallium	50.0	51.7	103	80.0-120	
Vanadium	50.0	53.2	106	80.0-120	
Zinc	50.0	53.6	107	80.0-120	

L1739703-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739703-01 05/31/24 15:26 • (MS) R4075868-4 05/31/24 15:29 • (MSD) R4075868-5 05/31/24 15:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	55.7	54.0	111	108	1	75.0-125			3.11	20
Arsenic	50.0	9.77	60.5	62.0	101	105	1	75.0-125			2.51	20
Barium	50.0	17.7	67.2	66.2	99.0	96.9	1	75.0-125			1.52	20
Beryllium	50.0	U	53.5	51.9	107	104	1	75.0-125			3.06	20
Cadmium	50.0	U	53.8	53.1	108	106	1	75.0-125			1.36	20
Chromium	50.0	6.93	59.1	62.1	104	110	1	75.0-125			4.94	20
Copper	50.0	U	54.0	55.3	108	111	1	75.0-125			2.31	20
Cobalt	50.0	0.259	51.1	51.4	102	102	1	75.0-125			0.458	20
Lead	50.0	0.852	54.8	55.5	108	109	1	75.0-125			1.34	20
Molybdenum	50.0	1.26	53.9	53.5	105	104	1	75.0-125			0.646	20
Nickel	50.0	6.79	57.1	57.2	101	101	1	75.0-125			0.189	20
Selenium	50.0	U	51.7	52.8	103	106	1	75.0-125			1.99	20
Silver	50.0	U	50.3	49.6	101	99.1	1	75.0-125			1.38	20
Thallium	50.0	U	49.7	49.7	99.4	99.4	1	75.0-125			0.0148	20
Vanadium	50.0	7.02	57.1	57.6	100	101	1	75.0-125			0.776	20
Zinc	50.0	U	52.3	52.5	105	105	1	75.0-125			0.393	20

QUALITY CONTROL SUMMARY

L1739664-28

Method Blank (MB)

(MB) R4078036-1 06/06/24 09:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4078036-2 06/06/24 10:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	51.3	103	80.0-120	
Arsenic,Dissolved	50.0	50.6	101	80.0-120	
Cadmium,Dissolved	50.0	52.5	105	80.0-120	
Copper,Dissolved	50.0	48.2	96.4	80.0-120	
Lead,Dissolved	50.0	50.1	100	80.0-120	
Nickel,Dissolved	50.0	51.3	103	80.0-120	
Selenium,Dissolved	50.0	50.0	100	80.0-120	
Silver,Dissolved	50.0	51.4	103	80.0-120	
Thallium,Dissolved	50.0	47.6	95.1	80.0-120	
Zinc,Dissolved	50.0	49.9	99.8	80.0-120	

L1739662-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739662-05 06/06/24 12:04 • (MS) R4078036-7 06/06/24 12:11 • (MSD) R4078036-8 06/06/24 12:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	50.4	50.4	101	101	1	75.0-125			0.0469	20
Arsenic,Dissolved	50.0	12.4	61.0	62.8	97.1	101	1	75.0-125			2.91	20
Cadmium,Dissolved	50.0	U	50.5	51.6	101	103	1	75.0-125			2.10	20
Copper,Dissolved	50.0	1.89	48.7	49.4	93.6	95.1	1	75.0-125			1.50	20
Lead,Dissolved	50.0	U	50.8	49.5	102	99.0	1	75.0-125			2.68	20
Nickel,Dissolved	50.0	2.56	51.8	54.0	98.5	103	1	75.0-125			4.08	20
Selenium,Dissolved	50.0	U	50.6	49.8	101	99.7	1	75.0-125			1.60	20

L1739662-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739662-05 06/06/24 12:04 • (MS) R4078036-7 06/06/24 12:11 • (MSD) R4078036-8 06/06/24 12:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0	U	48.3	47.9	96.7	95.7	1	75.0-125			0.951	20
Thallium,Dissolved	50.0	U	47.2	47.0	94.5	93.9	1	75.0-125			0.623	20
Zinc,Dissolved	50.0	13.4	50.3	51.5	73.9	76.2	1	75.0-125	J6		2.23	20

Method Blank (MB)

(MB) R4074845-4 05/27/24 00:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	88.2	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4074845-1 05/26/24 22:44 • (LCSD) R4074845-2 05/26/24 23:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5000	5360	5400	107	108	71.0-127			0.743	20
(S) a,a,a-Trifluorotoluene(FID)				*111*	*110*	*78.0-120*				

Method Blank (MB)

(MB) R4074745-2 05/28/24 11:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.15	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4074745-1 05/28/24 09:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.60	92.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1739785-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739785-04 05/28/24 15:30 • (MS) R4074745-3 05/28/24 15:50 • (MSD) R4074745-4 05/28/24 16:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	117	1.56	112	114	95.1	96.9	25	10.0-141			1.83	29
(S) a,a,a-Trifluorotoluene(FID)					*106*	*107*		*77.0-120*				

Method Blank (MB)

(MB) R4075141-3 05/28/24 23:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.04	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075141-1 05/28/24 21:53 • (LCSD) R4075141-2 05/28/24 22:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.89	4.91	97.8	98.2	72.0-125			0.408	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*110*	*77.0-120*				

Method Blank (MB)

(MB) R4075221-1 05/29/24 13:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.74	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075221-2 05/29/24 14:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	3.90	78.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R4078297-2 06/05/24 22:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.90	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078297-1 06/05/24 20:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.83	117	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

L1742035-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742035-01 06/06/24 00:32 • (MS) R4078297-3 06/06/24 05:22 • (MSD) R4078297-4 06/06/24 05:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	189	2.02	214	217	112	114	25.5	10.0-141			1.37	29
(S) a,a,a-Trifluorotoluene(FID)					*104*	*103*		*77.0-120*				

Method Blank (MB)

(MB) R4075908-3 05/31/24 10:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	0.000850	J	0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075908-3 05/31/24 10:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075908-1 05/31/24 01:17 • (LCSD) R4075908-2 05/31/24 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.257	0.531	41.1	85.0	10.0-160		J3	69.5	31
Acrylonitrile	0.625	0.509	0.540	81.4	86.4	45.0-153			5.91	22
Benzene	0.125	0.110	0.122	88.0	97.6	70.0-123			10.3	20
Bromobenzene	0.125	0.119	0.122	95.2	97.6	73.0-121			2.49	20
Bromodichloromethane	0.125	0.111	0.118	88.8	94.4	73.0-121			6.11	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075908-1 05/31/24 01:17 • (LCSD) R4075908-2 05/31/24 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.104	0.115	83.2	92.0	64.0-132			10.0	20
Bromomethane	0.125	0.103	0.129	82.4	103	56.0-147		J3	22.4	20
n-Butylbenzene	0.125	0.124	0.132	99.2	106	68.0-135			6.25	20
sec-Butylbenzene	0.125	0.121	0.127	96.8	102	74.0-130			4.84	20
tert-Butylbenzene	0.125	0.129	0.133	103	106	75.0-127			3.05	20
Carbon tetrachloride	0.125	0.113	0.122	90.4	97.6	66.0-128			7.66	20
Chlorobenzene	0.125	0.118	0.124	94.4	99.2	76.0-128			4.96	20
Chlorodibromomethane	0.125	0.116	0.125	92.8	100	74.0-127			7.47	20
Chloroethane	0.125	0.106	0.125	84.8	100	61.0-134			16.5	20
Chloroform	0.125	0.107	0.115	85.6	92.0	72.0-123			7.21	20
Chloromethane	0.125	0.154	0.144	123	115	51.0-138			6.71	20
2-Chlorotoluene	0.125	0.119	0.121	95.2	96.8	75.0-124			1.67	20
4-Chlorotoluene	0.125	0.117	0.117	93.6	93.6	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.103	0.112	82.4	89.6	59.0-130			8.37	20
1,2-Dibromoethane	0.125	0.119	0.130	95.2	104	74.0-128			8.84	20
Dibromomethane	0.125	0.110	0.118	88.0	94.4	75.0-122			7.02	20
1,2-Dichlorobenzene	0.125	0.124	0.126	99.2	101	76.0-124			1.60	20
1,3-Dichlorobenzene	0.125	0.125	0.121	100	96.8	76.0-125			3.25	20
1,4-Dichlorobenzene	0.125	0.122	0.124	97.6	99.2	77.0-121			1.63	20
Dichlorodifluoromethane	0.125	0.122	0.159	97.6	127	43.0-156		J3	26.3	20
1,1-Dichloroethane	0.125	0.115	0.127	92.0	102	70.0-127			9.92	20
1,2-Dichloroethane	0.125	0.0977	0.106	78.2	84.8	65.0-131			8.15	20
1,1-Dichloroethene	0.125	0.111	0.126	88.8	101	65.0-131			12.7	20
cis-1,2-Dichloroethene	0.125	0.105	0.118	84.0	94.4	73.0-125			11.7	20
trans-1,2-Dichloroethene	0.125	0.107	0.121	85.6	96.8	71.0-125			12.3	20
1,2-Dichloropropane	0.125	0.116	0.123	92.8	98.4	74.0-125			5.86	20
1,1-Dichloropropene	0.125	0.112	0.129	89.6	103	73.0-125			14.1	20
1,3-Dichloropropane	0.125	0.121	0.129	96.8	103	80.0-125			6.40	20
cis-1,3-Dichloropropene	0.125	0.117	0.127	93.6	102	76.0-127			8.20	20
trans-1,3-Dichloropropene	0.125	0.121	0.131	96.8	105	73.0-127			7.94	20
2,2-Dichloropropane	0.125	0.109	0.120	87.2	96.0	59.0-135			9.61	20
Di-isopropyl ether	0.125	0.109	0.114	87.2	91.2	60.0-136			4.48	20
Ethylbenzene	0.125	0.118	0.124	94.4	99.2	74.0-126			4.96	20
Hexachloro-1,3-butadiene	0.125	0.133	0.166	106	133	57.0-150		J3	22.1	20
Isopropylbenzene	0.125	0.118	0.121	94.4	96.8	72.0-127			2.51	20
p-Isopropyltoluene	0.125	0.119	0.124	95.2	99.2	72.0-133			4.12	20
2-Butanone (MEK)	0.625	0.701	0.771	112	123	30.0-160			9.51	24
Methylene Chloride	0.125	0.108	0.112	86.4	89.6	68.0-123			3.64	20
4-Methyl-2-pentanone (MIBK)	0.625	0.609	0.648	97.4	104	56.0-143			6.21	20
Methyl tert-butyl ether	0.125	0.0998	0.106	79.8	84.8	66.0-132			6.03	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075908-1 05/31/24 01:17 • (LCSD) R4075908-2 05/31/24 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.106	0.114	84.8	91.2	59.0-130			7.27	20
n-Propylbenzene	0.125	0.120	0.121	96.0	96.8	74.0-126			0.830	20
Styrene	0.125	0.117	0.122	93.6	97.6	72.0-127			4.18	20
1,1,1,2-Tetrachloroethane	0.125	0.109	0.112	87.2	89.6	74.0-129			2.71	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.117	88.0	93.6	68.0-128			6.17	20
1,1,2-Trichlorotrifluoroethane	0.125	0.122	0.137	97.6	110	61.0-139			11.6	20
Tetrachloroethene	0.125	0.125	0.133	100	106	70.0-136			6.20	20
Toluene	0.125	0.110	0.121	88.0	96.8	75.0-121			9.52	20
1,2,3-Trichlorobenzene	0.125	0.120	0.132	96.0	106	59.0-139			9.52	20
1,2,4-Trichlorobenzene	0.125	0.123	0.139	98.4	111	62.0-137			12.2	20
1,1,1-Trichloroethane	0.125	0.116	0.129	92.8	103	69.0-126			10.6	20
1,1,2-Trichloroethane	0.125	0.119	0.127	95.2	102	78.0-123			6.50	20
Trichloroethene	0.125	0.121	0.131	96.8	105	76.0-126			7.94	20
Trichlorofluoromethane	0.125	0.115	0.136	92.0	109	61.0-142			16.7	20
1,2,3-Trichloropropane	0.125	0.112	0.116	89.6	92.8	67.0-129			3.51	20
1,2,4-Trimethylbenzene	0.125	0.113	0.113	90.4	90.4	70.0-126			0.000	20
1,2,3-Trimethylbenzene	0.125	0.110	0.109	88.0	87.2	74.0-124			0.913	20
1,3,5-Trimethylbenzene	0.125	0.117	0.114	93.6	91.2	73.0-127			2.60	20
Vinyl chloride	0.125	0.107	0.131	85.6	105	63.0-134		J3	20.2	20
Xylenes, Total	0.375	0.362	0.378	96.5	101	72.0-127			4.32	20
(S) Toluene-d8				*101*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*93.1*	*93.6*	*70.0-130*				

Method Blank (MB)

(MB) R4075677-3 05/28/24 23:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4075677-3 05/28/24 23:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	0.000500	J	0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075677-1 05/28/24 21:30 • (LCSD) R4075677-2 05/28/24 21:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.14	1.06	182	170	10.0-160	J4	J4	7.27	31
Acrylonitrile	0.625	0.684	0.673	109	108	45.0-153			1.62	22
Benzene	0.125	0.117	0.126	93.6	101	70.0-123			7.41	20
Bromobenzene	0.125	0.135	0.133	108	106	73.0-121			1.49	20
Bromodichloromethane	0.125	0.122	0.128	97.6	102	73.0-121			4.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075677-1 05/28/24 21:30 • (LCSD) R4075677-2 05/28/24 21:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.133	0.133	106	106	64.0-132			0.000	20
Bromomethane	0.125	0.121	0.123	96.8	98.4	56.0-147			1.64	20
n-Butylbenzene	0.125	0.135	0.142	108	114	68.0-135			5.05	20
sec-Butylbenzene	0.125	0.129	0.133	103	106	74.0-130			3.05	20
tert-Butylbenzene	0.125	0.136	0.146	109	117	75.0-127			7.09	20
Carbon tetrachloride	0.125	0.125	0.138	100	110	66.0-128			9.89	20
Chlorobenzene	0.125	0.134	0.137	107	110	76.0-128			2.21	20
Chlorodibromomethane	0.125	0.140	0.138	112	110	74.0-127			1.44	20
Chloroethane	0.125	0.115	0.127	92.0	102	61.0-134			9.92	20
Chloroform	0.125	0.114	0.119	91.2	95.2	72.0-123			4.29	20
Chloromethane	0.125	0.166	0.139	133	111	51.0-138			17.7	20
2-Chlorotoluene	0.125	0.126	0.133	101	106	75.0-124			5.41	20
4-Chlorotoluene	0.125	0.120	0.125	96.0	100	75.0-124			4.08	20
1,2-Dibromo-3-Chloropropane	0.125	0.130	0.136	104	109	59.0-130			4.51	20
1,2-Dibromoethane	0.125	0.141	0.140	113	112	74.0-128			0.712	20
Dibromomethane	0.125	0.127	0.125	102	100	75.0-122			1.59	20
1,2-Dichlorobenzene	0.125	0.138	0.143	110	114	76.0-124			3.56	20
1,3-Dichlorobenzene	0.125	0.133	0.136	106	109	76.0-125			2.23	20
1,4-Dichlorobenzene	0.125	0.136	0.137	109	110	77.0-121			0.733	20
Dichlorodifluoromethane	0.125	0.140	0.162	112	130	43.0-156			14.6	20
1,1-Dichloroethane	0.125	0.122	0.130	97.6	104	70.0-127			6.35	20
1,2-Dichloroethane	0.125	0.110	0.111	88.0	88.8	65.0-131			0.905	20
1,1-Dichloroethene	0.125	0.119	0.130	95.2	104	65.0-131			8.84	20
cis-1,2-Dichloroethene	0.125	0.121	0.124	96.8	99.2	73.0-125			2.45	20
trans-1,2-Dichloroethene	0.125	0.119	0.128	95.2	102	71.0-125			7.29	20
1,2-Dichloropropane	0.125	0.124	0.130	99.2	104	74.0-125			4.72	20
1,1-Dichloropropene	0.125	0.119	0.131	95.2	105	73.0-125			9.60	20
1,3-Dichloropropane	0.125	0.136	0.139	109	111	80.0-125			2.18	20
cis-1,3-Dichloropropene	0.125	0.127	0.131	102	105	76.0-127			3.10	20
trans-1,3-Dichloropropene	0.125	0.136	0.136	109	109	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.111	0.116	88.8	92.8	59.0-135			4.41	20
Di-isopropyl ether	0.125	0.118	0.122	94.4	97.6	60.0-136			3.33	20
Ethylbenzene	0.125	0.133	0.140	106	112	74.0-126			5.13	20
Hexachloro-1,3-butadiene	0.125	0.146	0.155	117	124	57.0-150			5.98	20
Isopropylbenzene	0.125	0.135	0.139	108	111	72.0-127			2.92	20
p-Isopropyltoluene	0.125	0.129	0.134	103	107	72.0-133			3.80	20
2-Butanone (MEK)	0.625	0.923	0.953	148	152	30.0-160			3.20	24
Methylene Chloride	0.125	0.116	0.121	92.8	96.8	68.0-123			4.22	20
4-Methyl-2-pentanone (MIBK)	0.625	0.702	0.699	112	112	56.0-143			0.428	20
Methyl tert-butyl ether	0.125	0.119	0.122	95.2	97.6	66.0-132			2.49	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075677-1 05/28/24 21:30 • (LCSD) R4075677-2 05/28/24 21:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.126	0.130	101	104	59.0-130			3.12	20
n-Propylbenzene	0.125	0.123	0.132	98.4	106	74.0-126			7.06	20
Styrene	0.125	0.133	0.136	106	109	72.0-127			2.23	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.133	102	106	74.0-129			4.62	20
1,1,2,2-Tetrachloroethane	0.125	0.124	0.125	99.2	100	68.0-128			0.803	20
1,1,2-Trichlorotrifluoroethane	0.125	0.129	0.143	103	114	61.0-139			10.3	20
Tetrachloroethene	0.125	0.140	0.154	112	123	70.0-136			9.52	20
Toluene	0.125	0.121	0.128	96.8	102	75.0-121			5.62	20
1,2,3-Trichlorobenzene	0.125	0.142	0.145	114	116	59.0-139			2.09	20
1,2,4-Trichlorobenzene	0.125	0.145	0.149	116	119	62.0-137			2.72	20
1,1,1-Trichloroethane	0.125	0.126	0.137	101	110	69.0-126			8.37	20
1,1,2-Trichloroethane	0.125	0.138	0.137	110	110	78.0-123			0.727	20
Trichloroethene	0.125	0.133	0.145	106	116	76.0-126			8.63	20
Trichlorofluoromethane	0.125	0.126	0.143	101	114	61.0-142			12.6	20
1,2,3-Trichloropropane	0.125	0.126	0.130	101	104	67.0-129			3.12	20
1,2,4-Trimethylbenzene	0.125	0.122	0.127	97.6	102	70.0-126			4.02	20
1,2,3-Trimethylbenzene	0.125	0.119	0.122	95.2	97.6	74.0-124			2.49	20
1,3,5-Trimethylbenzene	0.125	0.123	0.132	98.4	106	73.0-127			7.06	20
Vinyl chloride	0.125	0.116	0.130	92.8	104	63.0-134			11.4	20
Xylenes, Total	0.375	0.400	0.423	107	113	72.0-127			5.59	20
(S) Toluene-d8				*102*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*91.9*	*92.6*	*70.0-130*				

Method Blank (MB)

(MB) R4076178-2 06/01/24 08:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	0.000650	J	0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4076178-2 06/01/24 08:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4076178-1 06/01/24 07:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.752	120	10.0-160	
Acrylonitrile	0.625	0.632	101	45.0-153	
Benzene	0.125	0.118	94.4	70.0-123	
Bromobenzene	0.125	0.105	84.0	73.0-121	
Bromodichloromethane	0.125	0.0954	76.3	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4076178-1 06/01/24 07:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.104	83.2	64.0-132	
Bromomethane	0.125	0.141	113	56.0-147	
n-Butylbenzene	0.125	0.0994	79.5	68.0-135	
sec-Butylbenzene	0.125	0.0982	78.6	74.0-130	
tert-Butylbenzene	0.125	0.0966	77.3	75.0-127	
Carbon tetrachloride	0.125	0.122	97.6	66.0-128	
Chlorobenzene	0.125	0.116	92.8	76.0-128	
Chlorodibromomethane	0.125	0.112	89.6	74.0-127	
Chloroethane	0.125	0.131	105	61.0-134	
Chloroform	0.125	0.105	84.0	72.0-123	
Chloromethane	0.125	0.142	114	51.0-138	
2-Chlorotoluene	0.125	0.0960	76.8	75.0-124	
4-Chlorotoluene	0.125	0.0939	75.1	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0921	73.7	59.0-130	
1,2-Dibromoethane	0.125	0.105	84.0	74.0-128	
Dibromomethane	0.125	0.106	84.8	75.0-122	
1,2-Dichlorobenzene	0.125	0.108	86.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.105	84.0	76.0-125	
1,4-Dichlorobenzene	0.125	0.0999	79.9	77.0-121	
Dichlorodifluoromethane	0.125	0.128	102	43.0-156	
1,1-Dichloroethane	0.125	0.107	85.6	70.0-127	
1,2-Dichloroethane	0.125	0.112	89.6	65.0-131	
1,1-Dichloroethene	0.125	0.119	95.2	65.0-131	
cis-1,2-Dichloroethene	0.125	0.108	86.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.106	84.8	71.0-125	
1,2-Dichloropropane	0.125	0.109	87.2	74.0-125	
1,1-Dichloropropene	0.125	0.111	88.8	73.0-125	
1,3-Dichloropropane	0.125	0.112	89.6	80.0-125	
cis-1,3-Dichloropropene	0.125	0.102	81.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.100	80.0	73.0-127	
2,2-Dichloropropane	0.125	0.0795	63.6	59.0-135	
Di-isopropyl ether	0.125	0.128	102	60.0-136	
Ethylbenzene	0.125	0.110	88.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0981	78.5	57.0-150	
Isopropylbenzene	0.125	0.112	89.6	72.0-127	
p-Isopropyltoluene	0.125	0.0962	77.0	72.0-133	
2-Butanone (MEK)	0.625	0.494	79.0	30.0-160	
Methylene Chloride	0.125	0.116	92.8	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.617	98.7	56.0-143	
Methyl tert-butyl ether	0.125	0.105	84.0	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4076178-1 06/01/24 07:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0908	72.6	59.0-130	
n-Propylbenzene	0.125	0.0993	79.4	74.0-126	
Styrene	0.125	0.123	98.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.112	89.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0888	71.0	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.107	85.6	61.0-139	
Tetrachloroethene	0.125	0.117	93.6	70.0-136	
Toluene	0.125	0.110	88.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.106	84.8	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.105	84.0	62.0-137	
1,1,1-Trichloroethane	0.125	0.116	92.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.105	84.0	78.0-123	
Trichloroethene	0.125	0.132	106	76.0-126	
Trichlorofluoromethane	0.125	0.158	126	61.0-142	
1,2,3-Trichloropropane	0.125	0.0950	76.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.0841	67.3	70.0-126	J4
1,2,3-Trimethylbenzene	0.125	0.0937	75.0	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.0881	70.5	73.0-127	J4
Vinyl chloride	0.125	0.139	111	63.0-134	
Xylenes, Total	0.375	0.310	82.7	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*101*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*92.4*	*70.0-130*	

Method Blank (MB)

(MB) R4075334-3 05/29/24 22:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4075334-3 05/29/24 22:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075334-1 05/29/24 21:27 • (LCSD) R4075334-2 05/29/24 21:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	12.1	12.7	48.4	50.8	19.0-160	J	J	4.84	27
Acrolein	25.0	18.7	19.1	74.8	76.4	10.0-160	J	J	2.12	26
Acrylonitrile	25.0	24.3	24.5	97.2	98.0	55.0-149			0.820	20
Benzene	5.00	5.10	4.92	102	98.4	70.0-123			3.59	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075334-1 05/29/24 21:27 • (LCSD) R4075334-2 05/29/24 21:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.67	4.75	93.4	95.0	73.0-121			1.70	20
Bromodichloromethane	5.00	5.40	5.36	108	107	75.0-120			0.744	20
Bromoform	5.00	4.94	5.08	98.8	102	68.0-132			2.79	20
Bromomethane	5.00	3.04	3.39	60.8	67.8	10.0-160	J	J	10.9	25
n-Butylbenzene	5.00	4.49	4.30	89.8	86.0	73.0-125			4.32	20
sec-Butylbenzene	5.00	4.71	4.65	94.2	93.0	75.0-125			1.28	20
tert-Butylbenzene	5.00	4.99	4.79	99.8	95.8	76.0-124			4.09	20
Carbon tetrachloride	5.00	6.05	5.74	121	115	68.0-126			5.26	20
Chlorobenzene	5.00	4.79	4.89	95.8	97.8	80.0-121			2.07	20
Chlorodibromomethane	5.00	5.15	5.24	103	105	77.0-125			1.73	20
Chloroethane	5.00	4.73	4.72	94.6	94.4	47.0-150	J	J	0.212	20
Chloroform	5.00	5.46	5.35	109	107	73.0-120			2.04	20
Chloromethane	5.00	4.68	4.61	93.6	92.2	41.0-142			1.51	20
2-Chlorotoluene	5.00	4.96	4.74	99.2	94.8	76.0-123			4.54	20
4-Chlorotoluene	5.00	4.67	4.69	93.4	93.8	75.0-122			0.427	20
1,2-Dibromo-3-Chloropropane	5.00	3.92	4.13	78.4	82.6	58.0-134	J	J	5.22	20
1,2-Dibromoethane	5.00	4.99	5.21	99.8	104	80.0-122			4.31	20
Dibromomethane	5.00	5.20	5.00	104	100	80.0-120			3.92	20
1,2-Dichlorobenzene	5.00	5.19	5.20	104	104	79.0-121			0.192	20
1,3-Dichlorobenzene	5.00	4.73	4.81	94.6	96.2	79.0-120			1.68	20
1,4-Dichlorobenzene	5.00	5.02	4.95	100	99.0	79.0-120			1.40	20
Dichlorodifluoromethane	5.00	5.97	6.05	119	121	51.0-149			1.33	20
1,1-Dichloroethane	5.00	5.17	5.35	103	107	70.0-126			3.42	20
1,2-Dichloroethane	5.00	5.53	5.64	111	113	70.0-128			1.97	20
1,1-Dichloroethene	5.00	5.18	4.91	104	98.2	71.0-124			5.35	20
cis-1,2-Dichloroethene	5.00	4.89	5.16	97.8	103	73.0-120			5.37	20
trans-1,2-Dichloroethene	5.00	4.72	4.97	94.4	99.4	73.0-120			5.16	20
1,2-Dichloropropane	5.00	5.20	4.86	104	97.2	77.0-125			6.76	20
1,1-Dichloropropene	5.00	5.46	5.20	109	104	74.0-126			4.88	20
1,3-Dichloropropane	5.00	4.84	4.99	96.8	99.8	80.0-120			3.05	20
cis-1,3-Dichloropropene	5.00	5.16	4.95	103	99.0	80.0-123			4.15	20
trans-1,3-Dichloropropene	5.00	5.06	4.91	101	98.2	78.0-124			3.01	20
2,2-Dichloropropane	5.00	4.85	4.51	97.0	90.2	58.0-130			7.26	20
Di-isopropyl ether	5.00	5.18	5.19	104	104	58.0-138			0.193	20
Ethylbenzene	5.00	4.68	4.55	93.6	91.0	79.0-123			2.82	20
Hexachloro-1,3-butadiene	5.00	5.09	4.67	102	93.4	54.0-138			8.61	20
Isopropylbenzene	5.00	5.14	5.06	103	101	76.0-127			1.57	20
p-Isopropyltoluene	5.00	4.63	4.74	92.6	94.8	76.0-125			2.35	20
2-Butanone (MEK)	25.0	14.5	14.8	58.0	59.2	44.0-160			2.05	20
Methylene Chloride	5.00	4.83	4.48	96.6	89.6	67.0-120	J	J	7.52	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075334-1 05/29/24 21:27 • (LCSD) R4075334-2 05/29/24 21:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	25.4	26.4	102	106	68.0-142			3.86	20
Methyl tert-butyl ether	5.00	5.32	5.54	106	111	68.0-125			4.05	20
Naphthalene	5.00	3.45	3.85	69.0	77.0	54.0-135	J	J	11.0	20
n-Propylbenzene	5.00	4.78	4.60	95.6	92.0	77.0-124			3.84	20
Styrene	5.00	4.96	4.81	99.2	96.2	73.0-130			3.07	20
1,1,1,2-Tetrachloroethane	5.00	5.11	5.02	102	100	75.0-125			1.78	20
1,1,2,2-Tetrachloroethane	5.00	4.62	4.65	92.4	93.0	65.0-130			0.647	20
1,1,2-Trichlorotrifluoroethane	5.00	5.18	4.96	104	99.2	69.0-132			4.34	20
Tetrachloroethene	5.00	5.27	5.25	105	105	72.0-132			0.380	20
Toluene	5.00	4.77	4.58	95.4	91.6	79.0-120			4.06	20
1,2,3-Trichlorobenzene	5.00	4.86	4.89	97.2	97.8	50.0-138			0.615	20
1,2,4-Trichlorobenzene	5.00	4.55	4.64	91.0	92.8	57.0-137			1.96	20
1,1,1-Trichloroethane	5.00	6.03	5.62	121	112	73.0-124			7.04	20
1,1,2-Trichloroethane	5.00	4.84	4.79	96.8	95.8	80.0-120			1.04	20
Trichloroethene	5.00	5.44	5.06	109	101	78.0-124			7.24	20
Trichlorofluoromethane	5.00	5.99	5.89	120	118	59.0-147			1.68	20
1,2,3-Trichloropropane	5.00	5.35	5.05	107	101	73.0-130			5.77	20
1,2,4-Trimethylbenzene	5.00	4.77	4.66	95.4	93.2	76.0-121			2.33	20
1,2,3-Trimethylbenzene	5.00	4.97	4.79	99.4	95.8	77.0-120			3.69	20
1,3,5-Trimethylbenzene	5.00	5.01	4.89	100	97.8	76.0-122			2.42	20
Vinyl chloride	5.00	5.06	4.71	101	94.2	67.0-131			7.16	20
Xylenes, Total	15.0	14.5	14.5	96.7	96.7	79.0-123			0.000	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*110*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*116*	*70.0-130*				

L1739770-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739770-04 05/30/24 03:37 • (MS) R4075334-4 05/30/24 08:09 • (MSD) R4075334-5 05/30/24 08:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	15.2	13.4	60.8	53.6	1	10.0-160			12.6	35
Acrolein	25.0	U	26.4	24.6	106	98.4	1	10.0-160	J	J	7.06	39
Acrylonitrile	25.0	U	30.3	28.3	121	113	1	21.0-160			6.83	32
Benzene	5.00	U	5.91	5.48	118	110	1	17.0-158			7.55	27
Bromobenzene	5.00	U	5.46	5.15	109	103	1	30.0-149			5.84	28
Bromodichloromethane	5.00	U	6.60	6.11	132	122	1	31.0-150			7.71	27
Bromoform	5.00	U	6.23	5.36	125	107	1	29.0-150			15.0	29
Bromomethane	5.00	U	3.26	3.28	65.2	65.6	1	10.0-160			0.612	38

L1739770-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739770-04 05/30/24 03:37 • (MS) R4075334-4 05/30/24 08:09 • (MSD) R4075334-5 05/30/24 08:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	U	5.60	5.34	112	107	1	31.0-150			4.75	30
sec-Butylbenzene	5.00	U	5.83	5.59	117	112	1	33.0-155			4.20	29
tert-Butylbenzene	5.00	U	6.05	5.82	121	116	1	34.0-153			3.88	28
Carbon tetrachloride	5.00	U	7.38	7.00	148	140	1	23.0-159			5.29	28
Chlorobenzene	5.00	U	5.80	5.47	116	109	1	33.0-152			5.86	27
Chlorodibromomethane	5.00	U	6.04	5.77	121	115	1	37.0-149			4.57	27
Chloroethane	5.00	U	5.32	4.73	106	94.6	1	10.0-160			11.7	30
Chloroform	5.00	U	6.29	6.08	126	122	1	29.0-154			3.40	28
Chloromethane	5.00	U	4.83	4.36	96.6	87.2	1	10.0-160			10.2	29
2-Chlorotoluene	5.00	U	5.65	5.48	113	110	1	32.0-153			3.05	28
4-Chlorotoluene	5.00	U	5.60	5.29	112	106	1	32.0-150			5.69	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.40	4.78	108	95.6	1	22.0-151		J	12.2	34
1,2-Dibromoethane	5.00	U	5.98	5.66	120	113	1	34.0-147			5.50	27
Dibromomethane	5.00	U	5.90	5.61	118	112	1	30.0-151			5.04	27
1,2-Dichlorobenzene	5.00	U	6.06	5.70	121	114	1	34.0-149			6.12	28
1,3-Dichlorobenzene	5.00	U	5.75	5.42	115	108	1	36.0-146			5.91	27
1,4-Dichlorobenzene	5.00	U	5.71	5.51	114	110	1	35.0-142			3.57	27
Dichlorodifluoromethane	5.00	U	7.11	6.50	142	130	1	10.0-160			8.96	29
1,1-Dichloroethane	5.00	U	6.42	5.81	128	116	1	25.0-158			9.98	27
1,2-Dichloroethane	5.00	U	6.60	6.22	132	124	1	29.0-151			5.93	27
1,1-Dichloroethene	5.00	U	5.81	5.35	116	107	1	11.0-160			8.24	29
cis-1,2-Dichloroethene	5.00	U	5.93	5.56	119	111	1	10.0-160			6.44	27
trans-1,2-Dichloroethene	5.00	U	5.35	5.15	107	103	1	17.0-153			3.81	27
1,2-Dichloropropane	5.00	U	5.81	5.91	116	118	1	30.0-156			1.71	27
1,1-Dichloropropene	5.00	U	6.39	5.94	128	119	1	25.0-158			7.30	27
1,3-Dichloropropane	5.00	U	5.89	5.44	118	109	1	38.0-147			7.94	27
cis-1,3-Dichloropropene	5.00	U	5.67	5.19	113	104	1	34.0-149			8.84	28
trans-1,3-Dichloropropene	5.00	U	5.94	5.22	119	104	1	32.0-149			12.9	28
2,2-Dichloropropane	5.00	U	6.79	6.20	136	124	1	24.0-152			9.08	29
Di-isopropyl ether	5.00	U	6.21	6.07	124	121	1	21.0-160			2.28	28
Ethylbenzene	5.00	U	5.54	5.50	111	110	1	30.0-155			0.725	27
Hexachloro-1,3-butadiene	5.00	U	6.88	6.18	138	124	1	20.0-154			10.7	34
Isopropylbenzene	5.00	U	6.33	5.76	127	115	1	28.0-157			9.43	27
p-Isopropyltoluene	5.00	U	5.88	5.53	118	111	1	30.0-154			6.13	29
2-Butanone (MEK)	25.0	U	19.3	16.5	77.2	66.0	1	10.0-160			15.6	32
Methylene Chloride	5.00	U	5.35	4.84	107	96.8	1	23.0-144			10.0	28
4-Methyl-2-pentanone (MIBK)	25.0	U	32.8	29.1	131	116	1	29.0-160			12.0	29
Methyl tert-butyl ether	5.00	U	6.63	6.05	133	121	1	28.0-150			9.15	29
Naphthalene	5.00	U	5.29	4.54	106	90.8	1	12.0-156		J	15.3	35
n-Propylbenzene	5.00	U	5.68	5.40	114	108	1	31.0-154			5.05	28

L1739770-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739770-04 05/30/24 03:37 • (MS) R4075334-4 05/30/24 08:09 • (MSD) R4075334-5 05/30/24 08:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	U	5.70	5.48	114	110	1	33.0-155			3.94	28
1,1,1,2-Tetrachloroethane	5.00	U	6.14	5.78	123	116	1	36.0-151			6.04	29
1,1,2,2-Tetrachloroethane	5.00	U	5.57	5.04	111	101	1	33.0-150			9.99	28
1,1,2-Trichlorotrifluoroethane	5.00	U	6.71	6.22	134	124	1	23.0-160			7.58	30
Tetrachloroethene	5.00	U	5.88	5.39	118	108	1	10.0-160			8.70	27
Toluene	5.00	U	5.84	5.04	117	101	1	26.0-154			14.7	28
1,2,3-Trichlorobenzene	5.00	U	6.04	5.53	121	111	1	17.0-150			8.82	36
1,2,4-Trichlorobenzene	5.00	U	5.81	5.54	116	111	1	24.0-150			4.76	33
1,1,1-Trichloroethane	5.00	U	7.14	6.61	143	132	1	23.0-160			7.71	28
1,1,2-Trichloroethane	5.00	U	5.70	5.58	114	112	1	35.0-147			2.13	27
Trichloroethene	5.00	U	6.00	5.70	120	114	1	10.0-160			5.13	25
Trichlorofluoromethane	5.00	U	7.67	6.87	153	137	1	17.0-160			11.0	31
1,2,3-Trichloropropane	5.00	U	6.10	5.62	122	112	1	34.0-151			8.19	29
1,2,4-Trimethylbenzene	5.00	U	5.88	5.19	118	104	1	26.0-154			12.5	27
1,2,3-Trimethylbenzene	5.00	U	5.76	5.22	115	104	1	32.0-149			9.84	28
1,3,5-Trimethylbenzene	5.00	U	5.98	5.66	120	113	1	28.0-153			5.50	27
Vinyl chloride	5.00	U	5.11	4.69	102	93.8	1	10.0-160			8.57	27
Xylenes, Total	15.0	U	17.5	16.2	117	108	1	29.0-154			7.72	28
(S) Toluene-d8					*102*	*100*		*80.0-120*				
(S) 4-Bromofluorobenzene					*109*	*107*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*116*	*118*		*70.0-130*				

Method Blank (MB)

(MB) R4075702-1 05/30/24 20:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	432		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*56.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075702-2 05/30/24 20:25 • (LCSD) R4075702-3 05/30/24 20:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	1180	1220	157	163	50.0-150	J4	J4	3.33	20
C22-C32 Hydrocarbons	750	754	777	101	104	50.0-150			3.00	20
(S) o-Terphenyl				*63.0*	*63.5*	*52.0-156*				

Method Blank (MB)

(MB) R4076211-3 06/01/24 01:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*61.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076211-1 06/01/24 00:34 • (LCSD) R4076211-2 06/01/24 00:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
C12-C22 Hydrocarbons	750	809	819	108	109	50.0-150			1.23	20
C22-C32 Hydrocarbons	750	684	688	91.2	91.7	50.0-150			0.583	20
(S) o-Terphenyl				*66.0*	*65.5*	*52.0-156*				

Method Blank (MB)

(MB) R4075628-1 05/30/24 16:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*63.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4075628-2 05/30/24 16:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	16.7	66.8	50.0-150	
C22-C32 Hydrocarbons	25.0	15.1	60.4	50.0-150	
(S) o-Terphenyl			*57.7*	*18.0-148*	

L1739664-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739664-18 05/31/24 11:11 • (MS) R4075925-1 05/31/24 11:25 • (MSD) R4075925-2 05/31/24 11:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	23.9	54.8	73.8	96.2	66.9	141	40	50.0-150	J	J J3	26.3	20
C22-C32 Hydrocarbons	23.9	334	300	375	0.000	141	40	50.0-150	V	J3	22.5	20
(S) o-Terphenyl					*89.5*	*87.3*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract.

Method Blank (MB)

(MB) R4077959-1 06/05/24 20:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*89.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4077959-2 06/06/24 01:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.3	77.2	50.0-150	
C22-C32 Hydrocarbons	25.0	19.0	76.0	50.0-150	
(S) o-Terphenyl			*69.1*	*18.0-148*	

Method Blank (MB)

(MB) R4075901-1 05/30/24 21:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*65.5*			*10.0-135*
(S) Tetrachloro-m-xylene	*66.2*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4075901-2 05/30/24 22:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.122	73.1	36.0-141	
PCB 1260	0.167	0.127	76.0	37.0-145	
(S) Decachlorobiphenyl			*72.8*	*10.0-135*	
(S) Tetrachloro-m-xylene			*75.1*	*10.0-139*	

L1739367-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739367-07 05/31/24 01:03 • (MS) R4075901-3 05/31/24 01:34 • (MSD) R4075901-4 05/31/24 01:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.197	U	0.112	0.110	57.1	56.4	1	10.0-160			1.80	37
PCB 1260	0.197	U	0.109	0.109	55.4	55.5	1	10.0-160	P	P	0.433	38
(S) Decachlorobiphenyl					*39.5*	*38.9*		*10.0-135*				
(S) Tetrachloro-m-xylene					*49.2*	*55.2*		*10.0-139*				

Method Blank (MB)

(MB) R4075976-2 05/31/24 19:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4075976-2 05/31/24 19:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*78.5*			*12.0-120*
(S) Phenol-d5	*73.4*			*10.0-120*
(S) Nitrobenzene-d5	*59.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*71.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*67.0*			*10.0-127*
(S) p-Terphenyl-d14	*80.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.461	69.2	38.0-120	
Acenaphthylene	0.666	0.515	77.3	40.0-120	
Anthracene	0.666	0.524	78.7	42.0-120	
Benzidine	1.33	0.404	30.4	10.0-120	J
Benzo(a)anthracene	0.666	0.549	82.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.490	73.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.483	72.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.561	84.2	43.0-120	
Benzo(a)pyrene	0.666	0.521	78.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.350	52.6	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.366	55.0	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.421	63.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.548	82.3	40.0-120	
2-Chloronaphthalene	0.666	0.441	66.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.510	76.6	40.0-120	
Chrysene	0.666	0.506	76.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.601	90.2	44.0-120	
1,2-Dichlorobenzene	0.666	0.425	63.8	32.0-120	
1,3-Dichlorobenzene	0.666	0.426	64.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.456	68.5	31.0-120	
3,3-Dichlorobenzidine	1.33	1.01	75.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.539	80.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.538	80.8	42.0-120	
Fluoranthene	0.666	0.534	80.2	44.0-120	
Fluorene	0.666	0.480	72.1	41.0-120	
Hexachlorobenzene	0.666	0.505	75.8	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.362	54.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.411	61.7	15.0-120	
Hexachloroethane	0.666	0.413	62.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.636	95.5	45.0-120	
Isophorone	0.666	0.357	53.6	23.0-120	
Naphthalene	0.666	0.371	55.7	18.0-120	
Nitrobenzene	0.666	0.329	49.4	17.0-120	J
n-Nitrosodimethylamine	0.666	0.309	46.4	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.479	71.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.418	62.8	26.0-120	
Phenanthrene	0.666	0.493	74.0	42.0-120	
Benzylbutyl phthalate	0.666	0.540	81.1	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.553	83.0	41.0-120	
Di-n-butyl phthalate	0.666	0.496	74.5	43.0-120	
Diethyl phthalate	0.666	0.521	78.2	43.0-120	
Dimethyl phthalate	0.666	0.500	75.1	43.0-120	
Di-n-octyl phthalate	0.666	0.558	83.8	40.0-120	
Pyrene	0.666	0.516	77.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.381	57.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.410	61.6	28.0-120	
2-Chlorophenol	0.666	0.479	71.9	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.359	53.9	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.696	105	16.0-120	
2,4-Dinitrophenol	0.666	0.576	86.5	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4075976-1 05/31/24 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.446	67.0	20.0-120	
4-Nitrophenol	0.666	0.543	81.5	27.0-120	
Pentachlorophenol	0.666	0.376	56.5	29.0-120	
Phenol	0.666	0.452	67.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.491	73.7	37.0-120	
(S) 2-Fluorophenol			*75.2*	*12.0-120*	
(S) Phenol-d5			*71.6*	*10.0-120*	
(S) Nitrobenzene-d5			*47.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*68.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*74.3*	*10.0-127*	
(S) p-Terphenyl-d14			*77.8*	*10.0-120*	

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*60.5*			*12.0-120*
(S) Phenol-d5	*57.5*			*10.0-120*
(S) Nitrobenzene-d5	*46.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.6*			*10.0-127*
(S) p-Terphenyl-d14	*64.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.460	69.1	38.0-120	
Acenaphthylene	0.666	0.505	75.8	40.0-120	
Anthracene	0.666	0.520	78.1	42.0-120	
Benzidine	1.33	0.244	18.3	10.0-120	J
Benzo(a)anthracene	0.666	0.553	83.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.511	76.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.491	73.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.573	86.0	43.0-120	
Benzo(a)pyrene	0.666	0.538	80.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.359	53.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.425	63.8	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.429	64.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.511	76.7	40.0-120	
2-Chloronaphthalene	0.666	0.436	65.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.498	74.8	40.0-120	
Chrysene	0.666	0.514	77.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.596	89.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.435	65.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.428	64.3	30.0-120	
1,4-Dichlorobenzene	0.666	0.454	68.2	31.0-120	
3,3-Dichlorobenzidine	1.33	0.917	68.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.523	78.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.524	78.7	42.0-120	
Fluoranthene	0.666	0.522	78.4	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.480	72.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.375	56.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.373	56.0	15.0-120	
Hexachloroethane	0.666	0.427	64.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.640	96.1	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.379	56.9	18.0-120	
Nitrobenzene	0.666	0.347	52.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.338	50.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.458	68.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.428	64.3	26.0-120	
Phenanthrene	0.666	0.491	73.7	42.0-120	
Benzylbutyl phthalate	0.666	0.559	83.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.567	85.1	41.0-120	
Di-n-butyl phthalate	0.666	0.508	76.3	43.0-120	
Diethyl phthalate	0.666	0.522	78.4	43.0-120	
Dimethyl phthalate	0.666	0.498	74.8	43.0-120	
Di-n-octyl phthalate	0.666	0.561	84.2	40.0-120	
Pyrene	0.666	0.531	79.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.391	58.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.408	61.3	28.0-120	
2-Chlorophenol	0.666	0.469	70.4	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.366	55.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.626	94.0	16.0-120	
2,4-Dinitrophenol	0.666	0.434	65.2	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.443	66.5	20.0-120	
4-Nitrophenol	0.666	0.515	77.3	27.0-120	
Pentachlorophenol	0.666	0.351	52.7	29.0-120	
Phenol	0.666	0.450	67.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*76.9*	*12.0-120*	
(S) Phenol-d5			*71.0*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*69.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*67.7*	*10.0-127*	
(S) p-Terphenyl-d14			*78.4*	*10.0-120*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.798	0.00660	0.428	0.393	52.8	48.4	1	18.0-120			8.59	32
Acenaphthylene	0.798	U	0.437	0.417	54.7	52.3	1	25.0-120			4.56	32
Anthracene	0.798	0.00737	0.515	0.442	63.6	54.4	1	22.0-120			15.3	29
Benzidine	1.59	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.798	0.129	0.745	0.535	77.1	50.9	1	25.0-120		J3	32.7	29
Benzo(b)fluoranthene	0.798	0.206	0.829	0.529	78.0	40.5	1	19.0-122		J3	44.1	31
Benzo(k)fluoranthene	0.798	0.0623	0.579	0.438	64.8	47.1	1	23.0-120			27.8	30
Benzo(g,h,i)perylene	0.798	0.118	0.688	0.482	71.4	45.6	1	10.0-120		J3	35.2	33
Benzo(a)pyrene	0.798	0.151	0.762	0.521	76.5	46.3	1	24.0-120		J3	37.6	30
Bis(2-chlorethoxy)methane	0.798	U	0.224	0.262	28.0	32.8	1	10.0-120	J	J	15.5	34
Bis(2-chloroethyl)ether	0.798	U	0.273	0.313	34.1	39.2	1	10.0-120	J	J	13.7	40
2,2-Oxybis(1-Chloropropane)	0.798	U	0.235	0.307	29.4	38.4	1	10.0-120	J	J	26.5	40
4-Bromophenyl-phenylether	0.798	U	0.511	0.486	64.0	60.8	1	27.0-120			5.13	30
2-Chloronaphthalene	0.798	U	0.360	0.346	45.1	43.3	1	20.0-120			4.14	32
4-Chlorophenyl-phenylether	0.798	U	0.481	0.447	60.2	55.9	1	24.0-120			7.35	29
Chrysene	0.798	0.193	0.819	0.554	78.4	45.1	1	21.0-120		J3	38.7	29
Dibenz(a,h)anthracene	0.798	0.0340	0.570	0.459	67.1	53.2	1	10.0-120			21.5	32
1,2-Dichlorobenzene	0.798	U	0.231	0.291	29.0	36.4	1	10.0-120	J	J	22.8	38
1,3-Dichlorobenzene	0.798	U	0.221	0.285	27.7	35.7	1	10.0-120	J	J	25.0	40
1,4-Dichlorobenzene	0.798	U	0.245	0.315	30.6	39.5	1	10.0-120	J	J	25.2	39
3,3-Dichlorobenzidine	1.59	U	0.773	0.773	48.5	48.5	1	10.0-120			0.000	34
2,4-Dinitrotoluene	0.798	U	0.427	0.454	53.5	56.9	1	30.0-120			6.08	31

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.798	U	0.421	0.427	52.7	53.5	1	25.0-120			1.43	31
Fluoranthene	0.798	0.119	0.717	0.538	74.9	52.5	1	18.0-126			28.5	32
Fluorene	0.798	0.00824	0.461	0.419	56.7	51.4	1	25.0-120			9.68	30
Hexachlorobenzene	0.798	U	0.484	0.426	60.7	53.4	1	27.0-120			12.8	28
Hexachloro-1,3-butadiene	0.798	U	0.254	0.288	31.9	36.1	1	10.0-120	J	J	12.6	38
Hexachlorocyclopentadiene	0.798	U	0.0301	0.0651	3.77	8.16	1	10.0-120	J J6	J J3 J6	73.7	40
Hexachloroethane	0.798	U	0.214	0.305	26.8	38.3	1	10.0-120	J	J	35.1	40
Indeno(1,2,3-cd)pyrene	0.798	0.129	0.793	0.566	83.2	54.7	1	10.0-120		J3	33.5	32
Isophorone	0.798	U	0.236	0.273	29.6	34.1	1	13.0-120	J	J	14.4	34
Naphthalene	0.798	0.0107	0.260	0.291	31.3	35.1	1	10.0-120			11.0	35
Nitrobenzene	0.798	U	0.191	0.248	23.9	31.1	1	10.0-120	J	J	26.0	36
n-Nitrosodimethylamine	0.798	U	0.163	0.212	20.4	26.5	1	10.0-127	J	J	26.0	40
n-Nitrosodiphenylamine	0.798	U	0.462	0.420	57.9	52.6	1	17.0-120			9.66	29
n-Nitrosodi-n-propylamine	0.798	U	0.248	0.293	31.1	36.7	1	10.0-120	J	J	16.6	37
Phenanthrene	0.798	0.0555	0.571	0.467	64.5	51.6	1	17.0-120			19.9	31
Benzylbutyl phthalate	0.798	U	0.534	0.471	66.9	59.0	1	23.0-120			12.6	30
Bis(2-ethylhexyl)phthalate	0.798	0.103	0.664	0.540	70.4	54.8	1	17.0-126			20.6	30
Di-n-butyl phthalate	0.798	U	0.495	0.443	62.0	55.5	1	30.0-120			11.2	29
Diethyl phthalate	0.798	U	0.493	0.469	61.7	58.7	1	26.0-120			5.06	28
Dimethyl phthalate	0.798	U	0.428	0.405	53.7	50.8	1	25.0-120		J	5.55	29
Di-n-octyl phthalate	0.798	U	0.540	0.504	67.7	63.1	1	21.0-123			6.99	29
Pyrene	0.798	0.153	0.744	0.537	73.9	48.0	1	16.0-121		J3	32.3	32
1,2,4-Trichlorobenzene	0.798	U	0.269	0.296	33.7	37.0	1	12.0-120	J	J	9.48	37
4-Chloro-3-methylphenol	0.798	U	0.406	0.359	50.9	45.0	1	15.0-120		J	12.4	30
2-Chlorophenol	0.798	U	0.269	0.330	33.7	41.3	1	15.0-120	J	J	20.3	37
2,4-Dichlorophenol	0.798	U	0.336	0.341	42.1	42.7	1	20.0-120	J	J	1.44	31
2,4-Dimethylphenol	0.798	U	0.302	0.305	37.8	38.3	1	10.0-120	J	J	1.20	33
4,6-Dinitro-2-methylphenol	0.798	U	0.523	0.494	65.5	61.9	1	10.0-120			5.74	39
2,4-Dinitrophenol	0.798	U	0.451	0.372	56.6	46.6	1	10.0-121		J	19.2	40
2-Nitrophenol	0.798	U	0.262	0.330	32.8	41.3	1	12.0-120	J	J	23.0	39
4-Nitrophenol	0.798	U	0.511	0.483	64.0	60.5	1	10.0-137			5.63	32
Pentachlorophenol	0.798	U	0.409	0.341	51.2	42.7	1	10.0-160		J	18.2	31
Phenol	0.798	U	0.277	0.333	34.8	41.8	1	12.0-120	J	J	18.3	38
2,4,6-Trichlorophenol	0.798	U	0.432	0.411	54.1	51.5	1	19.0-120			4.91	32
(S) 2-Fluorophenol					*34.5*	*43.7*		*12.0-120*				
(S) Phenol-d5					*37.2*	*43.9*		*10.0-120*				
(S) Nitrobenzene-d5					*22.8*	*30.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*45.1*	*44.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*59.5*	*54.1*		*10.0-127*				

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*59.8*	*54.0*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # 1793.0030500

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo, A. Vonk

Site/Facility ID # AB&I

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1739164

Tat H115

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr(TPH)	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres (PCBs)	V8270 4ozClr-NoPres (SVOCs)	8260 40mlAmb/MeOH10ml/Syr (VOCs)	HOLD	Remarks	Sample # (lab only)
BS-E1-1/GW-1-1.0	Grab	SS	1	05/[illegible]/24	1405	3			X	X	X		X		-01
BS-E1-1/GW-1-2.0		SS	2		1420	4			X		X	X	X		-02
BS-E1-1/GW-1-3.0		SS	3		1430	4	X	X	X		X	X	X		-03
BS-E1-1/GW-1-4.0		SS	4		1435	4							X		-04
BS-E1-1/GW-1-5.0		SS	5		1443	4	X	X				X	X		-05
BS-E1-1/GW-1-13.5		SS	13.5		1455	3	X	X				X			-06
G-E1-1/GW-2-1.0		SS	1		1005	3			X	X	X		X		-07
G-E1-1/GW-2-2.0		SS	2		1014	4			X		X	X	X		-08
G-E1-1/GW-2-3.0		SS	3		1018	4	X	X	X		X	X	X		-09
G-E1-1/GW-2-4.0		SS	4		1025	4							X		-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/22/24	1547			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.4+0.1=2.5 °C Bottles Received: 10	
	5/22/24	16:30	SWA COURIER		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/23/24 Time: 1200	Hold: Condition: NCF / OK
			Easton Dyan		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # 1793.00230500

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo & A. Vonk

Site/Facility ID # AB&I

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD	Remarks	Sample # (lab only)
G-E1-1 / GW-2-5.0	Grab	SS	5	05/22/24	1032	4	X	X			X	X	X		-11
~~[illegible]~~	↓	SS			~~1050~~										~~-12~~
G-E1-1 / GW-2-14. (DUP)	↓	SS	14	05/22/24	1055	3	X	X			X				-13
TB-052224.	Grab	SS	—	05/22/24	1200.	2						X		HP 5/23/24	-14-13
EB-052224.	Grab.	SS	—	05/22/24	1515.	9	X	X	X			X			-15-14
TB-052224-2.	Grab	SS	—	05/22/24	1200	2						X			-15

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1391604

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
	05/22/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.7+0.1=2.5 °C	Bottles Received: 100
	5/22/24	16:30	GWP Carrier		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			Easton Orm	5/23/24	1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA
555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # 1793.0030500

Lab Project # **ROUXOCA-CA**

Collected by (print): D. Burley & J. Carlson

Site/Facility ID # ABI

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1391604

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative: 8260 40mlAmb/MeOH10ml/Syr	8260 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	8082 4oz Clr-NoPres	8270 4oz Clr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD				Remarks	Sample # (lab only)
G/UC-C4-1/P10-1.0	Grab	SS	1	5/22/24	817	3-X	X		X	X	X		X					-26
G/UC-C4-1/P10-2.0		SS	2		828	4			X		X	X	X					-27
G/UC-C4-1/P10-3.0		SS	3		837	3	X	X	X		X		X					-28
G/UC-C4-1/P10-4.0		SS	4		840	3							X					-29
G/UC-C4-1/P10-5.0		SS	5		845	4	X	X				X	X					-30
G/UC-C4-1/P10-8.0		SS	8		850	4							X					-31
G/UC-C4-1/P10-10.0		SS	10		858	4						X	X					-32
G/UC-C4-1/P10-18.5		SS	18.5		945	3	X	X				X	X					-33
GW-4-13.5		SS	13.5		1058	4	X	X				X	X					-34
GW-3-1-13.0	↓	SS	13.0	↓		4	X	X				X	X					-35

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	05/22/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.4 °C	Bottles Received:
	5/22/24	16:30	SUS CORGO	2.4+0.1=2.5	100
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			Kristen Organ	5/23/24	1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

LT391d04

Tracking Numbers	Temperature
NA	2.4 ±0.1 = 2.5 EOAG
NA	3.2 ±0.1 = 3.3 EOAG

Easton Orgus

Name

5/23/24 1200

Date

5/23-NCF-L1739664 ROUXOCA

R2/R3/R4/RX/EX

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) Jennifer Gambill

Due on *28 May 2024 8:00 AM* for target *Done*

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Robertson *23 May 2024 5:24 PM*

Received ID: GW-08-1 (5/21/24 @ 1340) not listed on the COC. Received 2-250ml HNO_3, 7-40ml HCl.

Jennifer Gambill *24 May 2024 12:53 PM*

Per client, please analyze this sample for VOC, DROCAERLVI, GROCA and Total and Dissolved Metals.

Hailey Robertson *24 May 2024 4:17 PM*

Done

Pace Analytical National

Login Confirmation Report

May 24, 2024 - 15:59

Account: ROUXOCA - Roux - Oakland, CA

SDG	**L1739664**	Receive Date: 05/23/2024	Project Manager: Jennifer Gambill
Template #			Entered By: Hailey R Melson
Report to:	Josh Osborne	Lab Project Number: ROUXOCA-CA	**Report MDL: Y**
	555 12th Street	Client Project # 1793.0030500	**HDC: N**
	Suite 250	Project Description:	PO #
	Oakland, CA 94607	Collected By: JA/AV	PO Req: N
Phone:	(415) 967-6000	Reg. State: CA	Terms: 20
Email:	josborne@rouxinc.com;rmaxwell@rouxinc.com		Quote #

Project Manager Notes: ****Only use AEI flow controllers for the SUMMA1L.****

TPHs = TPHg/d/mo
Metals = CAM17 Metals

BNSF Site has no MLF.

Air EDD, report in ug/m3.

Matrix	Test	Sample ID	Collection Date	Design ID	Method	Unit Price
L1739664-01		**BS-E1-1/GW-1-1.0**	**05/22/2024 14:05**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: SVOC, Metals, PCBs Hold: TPHs			$ 15.00
Misc	ENERGY	Environmental Impact Fee				$ 0.00
Misc	SCLOGFRT	Logistical Freight				$ 0.00
L1739664-02		**BS-E1-1/GW-1-2.0**	**05/22/2024 14:20**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, Metals Hold: TPHs and PCBs			$ 15.00
L1739664-03		**BS-E1-1/GW-1-3.0**	**05/22/2024 14:30**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, TPHs, Metals Hold: PCBs			$ 15.00
L1739664-04		**BS-E1-1/GW-1-4.0**	**05/22/2024 14:35**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
L1739664-05		**BS-E1-1/GW-1-5.0**	**05/22/2024 14:43**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, TPHs Hold: TPHs, metals, PCBs			$ 15.00

The Parties agree that they will take all reasonable precautions to prevent the unauthorized disclosure of any proprietary or confidential information of each other and that they will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

L1739664-06		**GW-1-13.5**	**05/22/2024 14:55**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA		UDEFAULT	8015	$ 60.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-07		**G-E1-1/GW-2-1.0**	**05/22/2024 10:05**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: SVOC, Metals, PCBs Hold: TPHs			$ 15.00
L1739664-08		**G-E1-1/GW-2-2.0**	**05/22/2024 10:14**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, Metals Hold: TPHs and PCBs			$ 15.00
L1739664-09		**G-E1-1/GW-2-3.0**	**05/22/2024 10:18**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, SVOC, TPHs, Metals Hold: PCBs			$ 15.00
L1739664-10		**G-E1-1/GW-2-4.0**	**05/22/2024 10:25**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
L1739664-11		**G-E1-1/GW-2-5.0**	**05/22/2024 10:32**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Samples on Hold				$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOCs, TPHs Hold: TPHs, metals, PCBs			$ 15.00
L1739664-12		**G-E1-1/GW-2-14**	**05/22/2024 10:55**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	DROCAER	DRO/ORO California Extended		UDEFAULT	8015	$ 86.25
SS	GROCA	GROCA		UDEFAULT	8015	$ 60.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
SS	TS	Total Solids		DEFAULT	2540 G-2011	$ 6.25
SS	V8260	Volatiles		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-13		**TB-052224**	**05/22/2024 12:00**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
GW	V8260	VOCs by 8260		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00

The Parties agree that they will take all reasonable precautions to prevent the unauthorized disclosure of any proprietary or confidential information of each other and that they will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

L1739664-14		**EB-052224**	**05/22/2024 15:15**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
GW	DROCAERLVI	DRO/ORO California Extended by LVI		UPPB	3511/8015	$ 86.25
GW	GROCA	GROCA		UPPB	8015	$ 60.00
GW	M6010CAM17	California Title 22 Metals List				$ 166.25
GW	AGG	Silver by ICPMS		UDEFAULT	6020	$ 0.00
GW	ASG	Arsenic by ICPMS		UDEFAULT	6020	$ 0.00
GW	BAG	Barium by ICPMS		UDEFAULT	6020	$ 0.00
GW	BEG	Beryllium by ICPMS		UDEFAULT	6020	$ 0.00
GW	CDG	Cadmium by ICPMS		UDEFAULT	6020	$ 0.00
GW	COG	Cobalt by ICPMS		UDEFAULT	6020	$ 0.00
GW	CRG	Chromium by ICPMS		UDEFAULT	6020	$ 0.00
GW	CUG	Copper by ICPMS		UDEFAULT	6020	$ 0.00
GW	HG	Mercury		UDEFAULT	7470A	$ 0.00
GW	MOG	Molybdenum by ICPMS		UDEFAULT	6020	$ 0.00
GW	NIG	Nickel by ICPMS		UDEFAULT	6020	$ 0.00
GW	PBG	Lead by ICPMS		UDEFAULT	6020	$ 0.00
GW	SBG	Antimony by ICPMS		UDEFAULT	6020	$ 0.00
GW	SEG	Selenium by ICPMS		UDEFAULT	6020	$ 0.00
GW	TLG	Thallium by ICPMS		UDEFAULT	6020	$ 0.00
GW	VG	Vanadium by ICPMS		UDEFAULT	6020	$ 0.00
GW	ZNG	Zinc by ICPMS		UDEFAULT	6020	$ 0.00
GW	V8260	VOCs by 8260		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-15		**TB-052224-2**	**05/22/2024 12:00**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
GW	V8260	VOCs by 8260		UDEFAULT	8260B	$ 118.75
Misc	DISPOSAL	Sample Disposal				$ 7.00

use slash between G and UC

L1739664-16		**G-UC-C4-1/P-10-1.0**	**05/22/2024 08:17**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Sam G/UC-C4-1/P-10-1.0	Analyze: SVOCs, metals, PCBs Hold: TPHs			$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-17		**G-UC-C4-1/P-10-2.0**	**05/22/2024 08:28**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	San G/UC-C4-1/P-10-2.0	Analyze: VOC, SVOCs, metals Hold: TPHs, PCBs			$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
L1739664-18		**G-UC-C4-1/P-10-3.0**	**05/22/2024 08:37**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Sam G/UC-C4-1/P-10-3.0	Analyze: VOC, SVOCs, metals Hold: TPHs, PCBs			$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-19		**G-UC-C4-1/P-10-4.0**	**05/22/2024 08:40**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	Sam G/UC-C4-1/P-10-4.0				$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00
Misc	DISPOSAL	Sample Disposal				$ 7.00
L1739664-20		**G-UC-C4-1/P-10-5.0**	**05/22/2024 08:45**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**	
SS	HOLD	San G/UC-C4-1/P-10-5.0	Analyze: VOC, TPHs Hold: SVOC, Metals, PCBs			$ 0.00
SS	TERRACORE	Terracore 5035 kit				$ 15.00

The Parties agree that they will take all reasonable precautions to prevent the unauthorized disclosure of any proprietary or confidential information of each other and that they will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

L1739664-21		**G-UC-C4-1/P-10-8.0**	**05/22/2024 08:50**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**
SS	HOLD	Samp G/UC-C4-1/P-10-8.0			$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
L1739664-22		**G-UC-C4-1/P-10-10.0**	**05/22/2024 08:58**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**
SS	HOLD	Sa G/UC-C4-1/P-10-10.0			$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOC Hold: SVOC, TPHs, Metals, PCBs		$ 15.00
L1739664-23		**G-UC-C4-1/P-10-18.5**	**05/22/2024 09:45**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**
SS	HOLD	Sar G/UC-C4-1/P-10-18.5	Analyze: VOC and TPHs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00
Misc	DISPOSAL	Sample Disposal			$ 7.00
L1739664-24		**GW-4-1-13.5**	**05/22/2024 10:58**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**
SS	HOLD	San GW-4-13.5			$ 0.00
SS	TERRACORE	Terracore 5035 kit	Analyze: VOC and TPHs		$ 15.00
L1739664-25		**GW-3-1-13.0**	**05/22/2024 00:00**	**Site: AB&1**	**Est. Due Date*: 05/31/2024 - RX**
SS	HOLD	Sample GW-3-13.0	Analyze: VOC and TPHs		$ 0.00
SS	TERRACORE	Terracore 5035 kit			$ 15.00

Information Only - Not An Invoice - Do Not Pay! Total: $ 1,604.25

*** Due Date listed is an estimate based on average workloads. Please communicate required dates to your Project Manager.**

The Parties agree that they will take all reasonable precautions to prevent the unauthorized disclosure of any proprietary or confidential information of each other and that they will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

ANALYTICAL REPORT

October 01, 2024

Revised Report

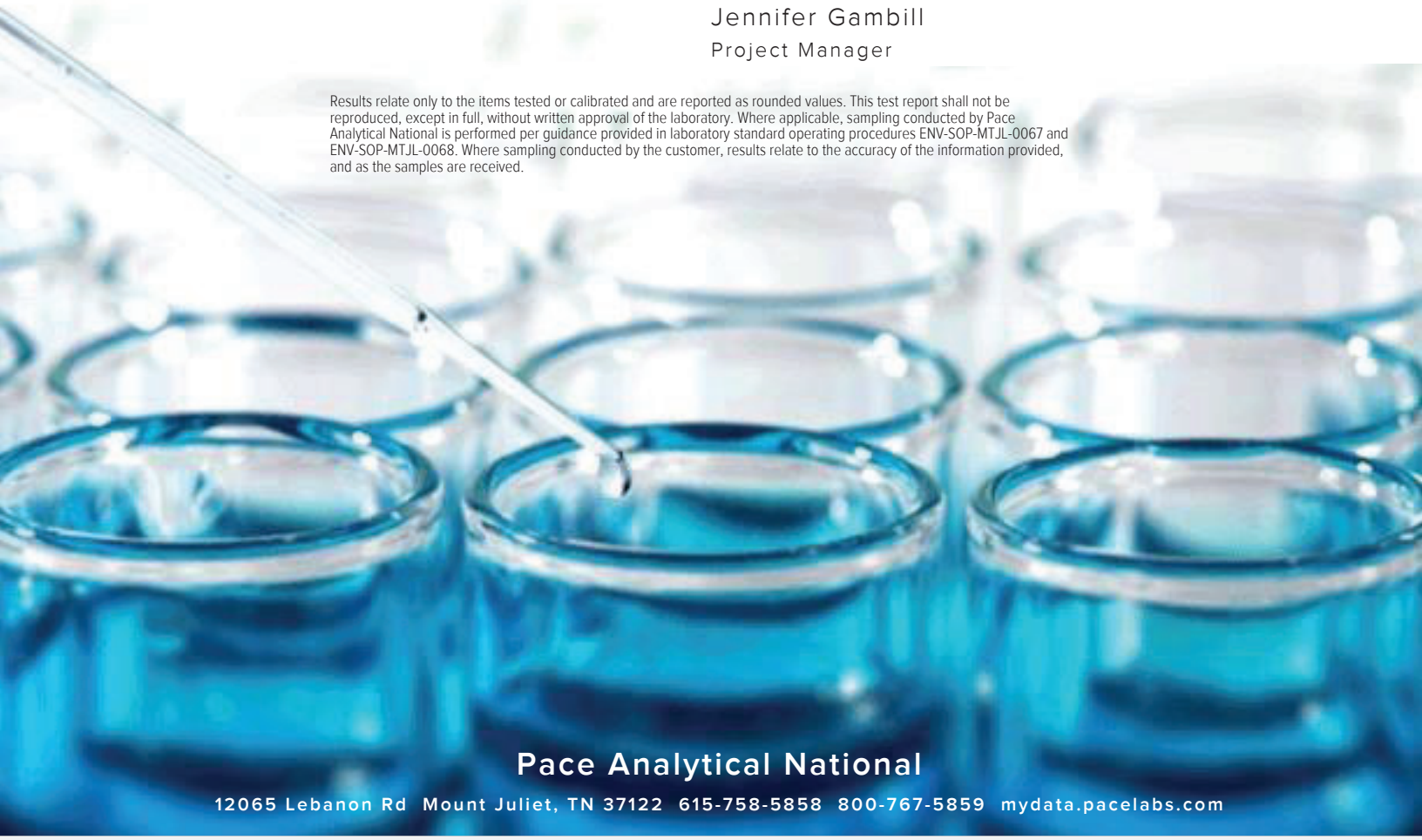
Roux - Oakland, CA

Sample Delivery Group:	L1740224
Samples Received:	05/24/2024
Project Number:	ROUX ASSOCIATES, INC
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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Sc: Sample Chain of Custody 152

G-F3-1-1.0 L1740224-01 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:40 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293529	1	05/27/24 09:59	05/27/24 10:05	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:05	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:42	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:16	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	258	05/23/24 09:40	06/07/24 12:28	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2296926	2	06/01/24 08:01	06/02/24 01:44	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	5	06/01/24 17:56	06/02/24 17:14	DSH	Mt. Juliet, TN

G-F3-1-2.0 L1740224-02 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:42 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293529	1	05/27/24 09:59	05/27/24 10:05	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:47	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:44	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:20	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299810	56	05/23/24 09:42	06/06/24 14:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	4.52	05/23/24 09:42	06/02/24 17:11	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2300018	10	06/06/24 14:54	06/07/24 05:37	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2300018	50	06/06/24 14:54	06/07/24 11:09	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2296622	1	06/01/24 08:01	06/01/24 15:42	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 13:33	DSH	Mt. Juliet, TN

G-F3-1-3.0 L1740224-03 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:44 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293529	1	05/27/24 09:59	05/27/24 10:05	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:50	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:46	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:23	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297149	29.3	05/23/24 09:44	06/03/24 03:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	4.96	05/23/24 09:44	06/02/24 17:31	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296785	10	06/02/24 14:53	06/03/24 19:01	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296785	100	06/02/24 14:53	06/04/24 06:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 12:19	DSH	Mt. Juliet, TN

G-F3-1-5.0 L1740224-05 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:48 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297149	26.8	05/23/24 09:48	06/03/24 03:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	1	05/23/24 09:48	06/02/24 16:12	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296785	5	06/02/24 14:53	06/03/24 18:47	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296785	50	06/02/24 14:53	06/04/24 06:52	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-G4-1-1.0 L1740224-06 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:40 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:52	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:47	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:30	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	5	06/04/24 16:30	06/05/24 13:26	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2296622	1	06/01/24 08:01	06/01/24 15:50	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 11:30	DSH	Mt. Juliet, TN

G-G4-1-2.0 L1740224-07 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:42 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:55	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:49	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:33	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1.23	05/23/24 10:42	05/30/24 20:28	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 14:22	DSH	Mt. Juliet, TN

G-G4-1-3.0 L1740224-08 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:44 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 19:57	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	5	06/04/24 16:30	06/05/24 13:36	RDS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	29.3	05/23/24 10:44	05/30/24 04:34	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1.23	05/23/24 10:44	05/30/24 20:50	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296785	1	06/02/24 14:53	06/03/24 18:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 11:55	DSH	Mt. Juliet, TN

G-G4-1-4.0 L1740224-09 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:46 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2311827	1	06/26/24 13:38	06/26/24 13:44	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2313442	1	06/27/24 16:19	06/27/24 20:16	ZSA	Mt. Juliet, TN

G-G4-1-5.0 L1740224-10 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:48 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297754	25	05/23/24 10:48	06/03/24 17:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 10:48	05/30/24 21:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 13:37	KDB	Mt. Juliet, TN

P-06-5.0 L1740224-12 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 12:50 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 12:50	05/30/24 07:51	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 12:50	05/30/24 21:35	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	10	06/03/24 07:57	06/03/24 16:23	KDB	Mt. Juliet, TN

P-08-5.0 L1740224-13 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 11:50 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 11:50	05/30/24 08:14	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 11:50	05/30/24 21:57	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 13:51	KDB	Mt. Juliet, TN

P-01-16.5 L1740224-14 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 10:55 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295674	1000	05/23/24 10:55	05/30/24 21:24	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	80	05/23/24 10:55	05/31/24 00:32	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 14:47	KDB	Mt. Juliet, TN

P-01-16.0 L1740224-15 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 11:00 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 11:00	05/30/24 08:58	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 11:00	05/30/24 22:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	10	05/23/24 11:00	06/02/24 17:50	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 15:41	KDB	Mt. Juliet, TN

P-02-12.5 L1740224-16 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:25 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293530	1	05/27/24 09:52	05/27/24 09:58	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 09:25	05/30/24 09:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 09:25	05/30/24 22:41	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	1	05/23/24 09:25	06/02/24 16:32	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 14:05	KDB	Mt. Juliet, TN

GW-06-17.5 L1740224-17 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:15 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 14:15	05/30/24 10:30	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	1	05/23/24 14:15	05/30/24 23:04	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297114	1	05/23/24 14:15	06/02/24 16:52	JAH	Mt. Juliet, TN

GW-06-17.5 L1740224-17 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:15 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 14:19	KDB	Mt. Juliet, TN

GW-06-12.5 L1740224-18 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:40 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295674	250	05/23/24 14:40	05/30/24 21:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295815	20	05/23/24 14:40	05/31/24 00:54	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 14:33	KDB	Mt. Juliet, TN

TB-052324 L1740224-19 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 12:00 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	05/31/24 23:47	05/31/24 23:47	ADM	Mt. Juliet, TN

EB-052324 L1740224-20 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 15:21 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:26	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:01	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:12	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 13:13	05/29/24 13:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 00:45	06/01/24 00:45	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	05/30/24 09:05	MAA	Mt. Juliet, TN

UC-B4-2-1.0 L1740224-21 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 13:51 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293345	1	05/26/24 15:37	05/26/24 20:15	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:52	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 13:43	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2296622	10	06/01/24 08:01	06/01/24 16:52	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	5	06/01/24 17:56	06/02/24 16:25	DSH	Mt. Juliet, TN

UC-B4-2-2.0 L1740224-22 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 13:55 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293719	1	05/28/24 13:45	05/28/24 19:03	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:54	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 14:03	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	5	06/04/24 16:30	06/05/24 14:00	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295920	1	05/23/24 13:55	05/31/24 02:02	KSD	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

UC-B4-2-2.0 L1740224-22 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 13:55 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG2296926	2	06/01/24 08:01	06/02/24 01:53	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 14:47	DSH	Mt. Juliet, TN

UC-B4-2-3.0 L1740224-23 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:00 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2293719	1	05/28/24 13:45	05/28/24 19:05	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/04/24 23:55	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298458	1	06/04/24 16:30	06/05/24 14:07	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297149	26.3	05/23/24 14:00	06/03/24 03:44	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	2	06/03/24 07:57	06/03/24 16:09	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2296790	1	06/01/24 17:56	06/02/24 13:57	DSH	Mt. Juliet, TN

UC-B4-2-5.0 L1740224-25 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:11 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2295233	25	05/23/24 14:11	05/30/24 10:53	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295920	1	05/23/24 14:11	05/31/24 02:21	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2296787	1	06/03/24 07:57	06/03/24 15:55	KDB	Mt. Juliet, TN

UC-B4-2-10.0 L1740224-27 Solid

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:33 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2293531	1	05/27/24 09:45	05/27/24 09:51	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2295920	1	05/23/24 14:33	05/31/24 02:40	KSD	Mt. Juliet, TN

GW-5-2 L1740224-28 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 09:20 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:33	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:47	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:06	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:15	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:28	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 17:24	05/29/24 17:24	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 03:19	06/01/24 03:19	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296326	1	05/31/24 16:43	06/02/24 09:10	DMG	Mt. Juliet, TN

P-10 L1740224-29 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 11:25 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:36	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:49	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:08	ZSA	Mt. Juliet, TN

P-10 L1740224-29 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 11:25 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 17:47	05/29/24 17:47	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 03:38	06/01/24 03:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	05/30/24 09:45	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	06/02/24 11:51	DMG	Mt. Juliet, TN

DUP-1 L1740224-30 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 12:00 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:38	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:52	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:09	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:22	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 18:10	05/29/24 18:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 03:57	06/01/24 03:57	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	05/30/24 10:05	MAA	Mt. Juliet, TN

GW-1-1 L1740224-31 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 13:20 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:41	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:54	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:11	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:25	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 18:33	05/29/24 18:33	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 04:16	06/01/24 04:16	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296326	1	05/31/24 16:43	06/02/24 09:30	DMG	Mt. Juliet, TN

GW-2-1 L1740224-32 GW

Collected by: J.A./D.B. | Collected date/time: 05/23/24 14:45 | Received date/time: 05/24/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293140	1	05/25/24 13:55	05/26/24 18:43	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2293147	1	05/26/24 21:03	05/28/24 11:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296300	1	06/03/24 10:52	06/03/24 17:13	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296356	1	06/03/24 14:15	06/15/24 13:29	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296474	1	06/02/24 09:42	06/12/24 22:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2294783	1	05/29/24 18:56	05/29/24 18:56	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2296577	1	06/01/24 04:35	06/01/24 04:35	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	05/30/24 10:46	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	06/02/24 12:11	DMG	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/16/24 18:52
Level II Report - Version 2: 08/15/24 20:01

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1740224-28	GW-5-2	3511/8015
L1740224-31	GW-1-1	3511/8015

DETECTION SUMMARY

Mercury by Method 7470A

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-5-2	L1740224-28	Mercury	0.494		0.100	0.200	1	05/26/2024 18:33	WG2293140
P-10	L1740224-29	Mercury	1.32		0.100	0.200	1	05/26/2024 18:36	WG2293140
DUP-1	L1740224-30	Mercury	1.68		0.100	0.200	1	05/26/2024 18:38	WG2293140
GW-2-1	L1740224-32	Mercury	0.139	J	0.100	0.200	1	05/26/2024 18:43	WG2293140

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G4-1-2.0	L1740224-07	Mercury	0.556		0.0234	0.0520	1	05/26/2024 19:55	WG2293345
G-G4-1-3.0	L1740224-08	Mercury	0.0251	J	0.0214	0.0476	1	05/26/2024 19:57	WG2293345
UC-B4-2-1.0	L1740224-21	Mercury	0.0706		0.0197	0.0438	1	05/26/2024 20:15	WG2293345
UC-B4-2-3.0	L1740224-23	Mercury	0.385		0.0196	0.0436	1	05/28/2024 19:05	WG2293719

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052324	L1740224-20	Cobalt,Dissolved	1.11	B J	0.840	10.0	1	06/03/2024 17:01	WG2296300
GW-5-2	L1740224-28	Barium,Dissolved	50.6		0.736	5.00	1	06/03/2024 17:06	WG2296300
GW-5-2	L1740224-28	Cobalt,Dissolved	3.82	B J	0.840	10.0	1	06/03/2024 17:06	WG2296300
GW-5-2	L1740224-28	Molybdenum,Dissolved	48.1		1.16	5.00	1	06/03/2024 17:06	WG2296300
P-10	L1740224-29	Barium,Dissolved	50.0		0.736	5.00	1	06/03/2024 17:08	WG2296300
P-10	L1740224-29	Cobalt,Dissolved	1.80	B J	0.840	10.0	1	06/03/2024 17:08	WG2296300
P-10	L1740224-29	Molybdenum,Dissolved	25.4		1.16	5.00	1	06/03/2024 17:08	WG2296300
P-10	L1740224-29	Vanadium,Dissolved	7.31	J	4.99	20.0	1	06/03/2024 17:08	WG2296300
DUP-1	L1740224-30	Barium,Dissolved	47.1		0.736	5.00	1	06/03/2024 17:09	WG2296300
DUP-1	L1740224-30	Cobalt,Dissolved	2.88	B J	0.840	10.0	1	06/03/2024 17:09	WG2296300
DUP-1	L1740224-30	Molybdenum,Dissolved	25.0		1.16	5.00	1	06/03/2024 17:09	WG2296300
DUP-1	L1740224-30	Vanadium,Dissolved	7.42	J	4.99	20.0	1	06/03/2024 17:09	WG2296300
GW-1-1	L1740224-31	Barium,Dissolved	217		0.736	5.00	1	06/03/2024 17:11	WG2296300
GW-1-1	L1740224-31	Cobalt,Dissolved	2.11	B J	0.840	10.0	1	06/03/2024 17:11	WG2296300
GW-1-1	L1740224-31	Molybdenum,Dissolved	5.52		1.16	5.00	1	06/03/2024 17:11	WG2296300
GW-2-1	L1740224-32	Barium,Dissolved	195		0.736	5.00	1	06/03/2024 17:13	WG2296300
GW-2-1	L1740224-32	Chromium,Dissolved	1.43	J	1.40	10.0	1	06/03/2024 17:13	WG2296300
GW-2-1	L1740224-32	Cobalt,Dissolved	2.25	B J	0.840	10.0	1	06/03/2024 17:13	WG2296300
GW-2-1	L1740224-32	Molybdenum,Dissolved	56.9		1.16	5.00	1	06/03/2024 17:13	WG2296300
GW-2-1	L1740224-32	Vanadium,Dissolved	7.84	J	4.99	20.0	1	06/03/2024 17:13	WG2296300

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-1.0	L1740224-01	Antimony	3.27		0.570	2.09	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Barium	193		0.0892	0.524	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Beryllium	0.685		0.0330	0.209	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Cadmium	0.398	J	0.0493	0.524	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Chromium	43.3		0.139	1.05	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Cobalt	1.92		0.0849	1.05	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Copper	64.1		0.419	2.09	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Lead	141		0.218	0.524	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Molybdenum	2.99		0.114	0.524	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Nickel	15.6		0.138	2.09	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Silver	20.4		0.133	1.05	1	06/05/2024 13:16	WG2298458
G-F3-1-1.0	L1740224-01	Thallium	1.71	J	0.413	2.09	1	06/05/2024 13:16	WG2298458

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-1.0	L1740224-01	Vanadium	13.0		0.530	2.09	1	06/04/2024 23:42	WG2298458
G-F3-1-1.0	L1740224-01	Zinc	99.4		0.871	5.24	1	06/04/2024 23:42	WG2298458
G-F3-1-2.0	L1740224-02	Antimony	1.64	J	0.728	2.68	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Barium	122		0.114	0.670	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Beryllium	0.417		0.0422	0.268	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Cadmium	0.140	J	0.0631	0.670	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Chromium	21.1		0.178	1.34	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Cobalt	0.955	J	0.109	1.34	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Copper	48.4		0.536	2.68	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Lead	33.0		0.279	0.670	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Molybdenum	2.51		0.146	0.670	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Nickel	8.01		0.177	2.68	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Silver	11.7		0.170	1.34	1	06/05/2024 13:20	WG2298458
G-F3-1-2.0	L1740224-02	Vanadium	6.89		0.678	2.68	1	06/04/2024 23:44	WG2298458
G-F3-1-2.0	L1740224-02	Zinc	33.8		1.11	6.70	1	06/04/2024 23:44	WG2298458
G-F3-1-3.0	L1740224-03	Barium	68.4		0.116	0.682	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Beryllium	0.252	J	0.0430	0.273	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Chromium	10.5		0.181	1.36	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Cobalt	0.624	J	0.111	1.36	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Copper	40.1		0.546	2.73	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Lead	16.2		0.284	0.682	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Molybdenum	2.13		0.149	0.682	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Nickel	4.52		0.180	2.73	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Silver	6.17		0.173	1.36	1	06/05/2024 13:23	WG2298458
G-F3-1-3.0	L1740224-03	Vanadium	3.41		0.690	2.73	1	06/04/2024 23:46	WG2298458
G-F3-1-3.0	L1740224-03	Zinc	15.9		1.13	6.82	1	06/04/2024 23:46	WG2298458
G-G4-1-1.0	L1740224-06	Antimony	15.0		0.652	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Arsenic	6.56		0.621	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Barium	136		0.102	0.599	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Beryllium	0.863		0.0378	0.240	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Cadmium	7.79		0.0564	0.599	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Chromium	54.9		0.159	1.20	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Cobalt	5.13		0.0972	1.20	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Copper	69.6		0.479	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Lead	1720		1.25	3.00	5	06/05/2024 13:26	WG2298458
G-G4-1-1.0	L1740224-06	Molybdenum	4.42		0.131	0.599	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Nickel	30.8		0.158	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Silver	13.9		0.152	1.20	1	06/05/2024 13:30	WG2298458
G-G4-1-1.0	L1740224-06	Thallium	1.93	J	0.472	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Vanadium	21.3		0.606	2.40	1	06/04/2024 23:47	WG2298458
G-G4-1-1.0	L1740224-06	Zinc	1160		0.997	5.99	1	06/04/2024 23:47	WG2298458
G-G4-1-2.0	L1740224-07	Antimony	11.8		0.707	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Arsenic	4.96		0.673	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Barium	155		0.111	0.650	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Beryllium	0.230	J	0.0409	0.260	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Cadmium	9.77		0.0612	0.650	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Chromium	24.1		0.173	1.30	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Cobalt	5.37		0.105	1.30	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Copper	331		0.520	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Lead	1760		0.270	0.650	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Molybdenum	1.90		0.142	0.650	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Nickel	30.7		0.172	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Silver	2.23		0.165	1.30	1	06/05/2024 13:33	WG2298458
G-G4-1-2.0	L1740224-07	Thallium	1.10	J	0.512	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Vanadium	10.2		0.658	2.60	1	06/04/2024 23:49	WG2298458
G-G4-1-2.0	L1740224-07	Zinc	962		1.08	6.50	1	06/04/2024 23:49	WG2298458

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G4-1-3.0	L1740224-08	Antimony	14.8		3.23	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Arsenic	8.88	J	3.08	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Barium	57.6		0.507	2.97	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Chromium	519		0.791	5.95	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Cobalt	11.6		0.483	5.95	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Copper	210		2.38	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Lead	52.7		1.24	2.97	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Molybdenum	26.0		0.648	2.97	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Nickel	114		0.785	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Silver	17.7		0.755	5.95	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Thallium	8.68	J	2.34	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Vanadium	126		3.01	11.9	5	06/05/2024 13:36	WG2298458
G-G4-1-3.0	L1740224-08	Zinc	26.5	J	4.95	29.7	5	06/05/2024 13:36	WG2298458
G-G4-1-4.0	L1740224-09	Nickel	52.8		0.170	2.57	1	06/27/2024 20:16	WG2313442
UC-B4-2-1.0	L1740224-21	Antimony	1.22	J	0.595	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Arsenic	7.14		0.567	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Barium	110		0.0932	0.547	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Beryllium	0.173	J	0.0345	0.219	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Cadmium	0.859		0.0515	0.547	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Chromium	22.0		0.146	1.09	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Cobalt	5.96		0.0888	1.09	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Copper	23.3		0.438	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Lead	220		0.228	0.547	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Molybdenum	1.25		0.119	0.547	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Nickel	20.2		0.144	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Silver	4.88		0.139	1.09	1	06/05/2024 13:43	WG2298458
UC-B4-2-1.0	L1740224-21	Thallium	0.945	J	0.431	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Vanadium	22.0		0.554	2.19	1	06/04/2024 23:52	WG2298458
UC-B4-2-1.0	L1740224-21	Zinc	151		0.911	5.47	1	06/04/2024 23:52	WG2298458
UC-B4-2-2.0	L1740224-22	Antimony	9.82		0.664	2.44	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Arsenic	4.37		0.633	2.44	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Barium	560		0.104	0.611	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Beryllium	1.31		0.0385	0.244	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Cadmium	14.7		0.0575	0.611	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Chromium	103		0.162	1.22	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Cobalt	1.83		0.0991	1.22	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Copper	92.7		0.489	2.44	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Lead	4890		1.27	3.05	5	06/05/2024 14:00	WG2298458
UC-B4-2-2.0	L1740224-22	Molybdenum	7.35		0.133	0.611	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Nickel	19.4		0.161	2.44	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Silver	75.5		0.155	1.22	1	06/05/2024 14:03	WG2298458
UC-B4-2-2.0	L1740224-22	Vanadium	36.2		0.618	2.44	1	06/04/2024 23:54	WG2298458
UC-B4-2-2.0	L1740224-22	Zinc	4510		5.08	30.5	5	06/05/2024 14:00	WG2298458
UC-B4-2-3.0	L1740224-23	Antimony	1.66	J	0.592	2.18	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Arsenic	2.38		0.564	2.18	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Barium	130		0.0928	0.544	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Beryllium	0.204	J	0.0343	0.218	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Cadmium	0.305	J	0.0513	0.544	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Chromium	10.5		0.145	1.09	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Cobalt	7.63		0.0883	1.09	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Copper	25.8		0.436	2.18	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Lead	50.1		0.227	0.544	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Molybdenum	0.238	J	0.119	0.544	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Nickel	15.1		0.144	2.18	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Silver	0.774	B J	0.138	1.09	1	06/05/2024 14:07	WG2298458
UC-B4-2-3.0	L1740224-23	Thallium	0.851	J	0.429	2.18	1	06/04/2024 23:55	WG2298458

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
UC-B4-2-3.0	L1740224-23	Vanadium	18.1		0.551	2.18	1	06/04/2024 23:55	WG2298458
UC-B4-2-3.0	L1740224-23	Zinc	90.7		0.906	5.44	1	06/04/2024 23:55	WG2298458

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052324	L1740224-20	Antimony	1.84	J	1.03	4.00	1	06/12/2024 22:24	WG2296474
GW-5-2	L1740224-28	Arsenic	1.40	J	0.180	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Arsenic,Dissolved	0.791	J	0.180	2.00	1	06/15/2024 13:15	WG2296356
GW-5-2	L1740224-28	Barium	138		0.381	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Chromium	10.9		1.24	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Copper	13.0		1.51	5.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Copper,Dissolved	2.56	J	1.51	5.00	1	06/15/2024 13:15	WG2296356
GW-5-2	L1740224-28	Cobalt	13.9		0.0596	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Lead	3.88		0.849	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Molybdenum	13.1		0.348	5.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Nickel	33.7		0.816	2.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Nickel,Dissolved	7.62		0.816	2.00	1	06/15/2024 13:15	WG2296356
GW-5-2	L1740224-28	Vanadium	22.9		0.664	5.00	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Zinc	54.4		3.02	25.0	1	06/12/2024 22:28	WG2296474
GW-5-2	L1740224-28	Zinc,Dissolved	6.80	J	3.02	25.0	1	06/15/2024 13:15	WG2296356
P-10	L1740224-29	Arsenic	3.82		0.180	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Arsenic,Dissolved	1.38	J	0.180	2.00	1	06/15/2024 13:19	WG2296356
P-10	L1740224-29	Barium	742		0.381	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Beryllium	8.59		0.190	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Cadmium	2.22		0.150	1.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Chromium	50.7		1.24	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Copper	100		1.51	5.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Copper,Dissolved	2.46	J	1.51	5.00	1	06/15/2024 13:19	WG2296356
P-10	L1740224-29	Cobalt	167		0.0596	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Lead	37.4		0.849	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Molybdenum	0.489	J	0.348	5.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Nickel	330		0.816	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Nickel,Dissolved	5.66		0.816	2.00	1	06/15/2024 13:19	WG2296356
P-10	L1740224-29	Selenium	0.753	J	0.300	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Silver	0.0746	J	0.0700	2.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Vanadium	121		0.664	5.00	1	06/12/2024 22:32	WG2296474
P-10	L1740224-29	Zinc	223		3.02	25.0	1	06/12/2024 22:32	WG2296474
DUP-1	L1740224-30	Arsenic	3.75		0.180	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Arsenic,Dissolved	1.28	J	0.180	2.00	1	06/15/2024 13:22	WG2296356
DUP-1	L1740224-30	Barium	784		0.381	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Beryllium	9.33		0.190	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Cadmium	2.74		0.150	1.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Chromium	37.8		1.24	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Copper	83.7		1.51	5.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Copper,Dissolved	1.76	J	1.51	5.00	1	06/15/2024 13:22	WG2296356
DUP-1	L1740224-30	Cobalt	197		0.0596	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Lead	31.7		0.849	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Molybdenum	0.386	J	0.348	5.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Nickel	364		0.816	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Nickel,Dissolved	4.30		0.816	2.00	1	06/15/2024 13:22	WG2296356
DUP-1	L1740224-30	Selenium	0.773	J	0.300	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Silver	0.0764	J	0.0700	2.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Vanadium	117		0.664	5.00	1	06/12/2024 22:35	WG2296474
DUP-1	L1740224-30	Zinc	182		3.02	25.0	1	06/12/2024 22:35	WG2296474

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-1-1	L1740224-31	Arsenic	11.6		0.180	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Arsenic,Dissolved	18.5		0.180	2.00	1	06/15/2024 13:25	WG2296356
GW-1-1	L1740224-31	Barium	201		0.381	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Beryllium	0.301	J	0.190	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Cadmium	0.320	J	0.150	1.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Chromium	11.5		1.24	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Copper	28.4		1.51	5.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Cobalt	7.26		0.0596	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Lead	11.6		0.849	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Molybdenum	0.634	J	0.348	5.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Nickel	23.0		0.816	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Nickel,Dissolved	4.62		0.816	2.00	1	06/15/2024 13:25	WG2296356
GW-1-1	L1740224-31	Selenium	0.733	J	0.300	2.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Selenium,Dissolved	0.604	J	0.300	2.00	1	06/15/2024 13:25	WG2296356
GW-1-1	L1740224-31	Vanadium	20.3		0.664	5.00	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Zinc	36.0		3.02	25.0	1	06/12/2024 22:38	WG2296474
GW-1-1	L1740224-31	Zinc,Dissolved	3.19	J	3.02	25.0	1	06/15/2024 13:25	WG2296356
GW-2-1	L1740224-32	Antimony,Dissolved	3.88	J	1.03	4.00	1	06/15/2024 13:29	WG2296356
GW-2-1	L1740224-32	Arsenic	8.59		0.180	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Arsenic,Dissolved	13.1		0.180	2.00	1	06/15/2024 13:29	WG2296356
GW-2-1	L1740224-32	Barium	384		0.381	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Beryllium	0.553	J	0.190	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Cadmium	0.297	J	0.150	1.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Chromium	24.5		1.24	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Copper	92.0		1.51	5.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Copper,Dissolved	6.36		1.51	5.00	1	06/15/2024 13:29	WG2296356
GW-2-1	L1740224-32	Cobalt	13.6		0.0596	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Lead	38.1		0.849	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Molybdenum	14.0		0.348	5.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Nickel	43.7		0.816	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Nickel,Dissolved	7.36		0.816	2.00	1	06/15/2024 13:29	WG2296356
GW-2-1	L1740224-32	Selenium	0.327	J	0.300	2.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Selenium,Dissolved	0.327	J	0.300	2.00	1	06/15/2024 13:29	WG2296356
GW-2-1	L1740224-32	Vanadium	42.9		0.664	5.00	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Zinc	81.6		3.02	25.0	1	06/12/2024 22:41	WG2296474
GW-2-1	L1740224-32	Zinc,Dissolved	4.04	J	3.02	25.0	1	06/15/2024 13:29	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052324	L1740224-20	TPHG C5 - C12	60.0	B J	30.4	100	1	05/29/2024 13:13	WG2294783
GW-5-2	L1740224-28	TPHG C5 - C12	53.7	B J	30.4	100	1	05/29/2024 17:24	WG2294783
P-10	L1740224-29	TPHG C5 - C12	72.5	B J	30.4	100	1	05/29/2024 17:47	WG2294783
DUP-1	L1740224-30	TPHG C5 - C12	83.1	B J	30.4	100	1	05/29/2024 18:10	WG2294783
GW-1-1	L1740224-31	TPHG C5 - C12	53.5	B J	30.4	100	1	05/29/2024 18:33	WG2294783
GW-2-1	L1740224-32	TPHG C5 - C12	79.4	B J	30.4	100	1	05/29/2024 18:56	WG2294783

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-1.0	L1740224-01	TPHG C5 - C12	74.1	Q	9.37	28.2	258	06/07/2024 12:28	WG2300368
G-F3-1-2.0	L1740224-02	TPHG C5 - C12	35.3	B	3.05	9.20	56	06/06/2024 14:57	WG2299810
G-F3-1-3.0	L1740224-03	TPHG C5 - C12	41.6		1.63	4.91	29.3	06/03/2024 03:01	WG2297149
G-F3-1-5.0	L1740224-05	TPHG C5 - C12	26.5		1.48	4.45	26.8	06/03/2024 03:23	WG2297149

DETECTION SUMMARY

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G4-1-3.0	L1740224-08	TPHG C5 - C12	12.1	B	1.31	3.96	29.3	05/30/2024 04:34	WG2295233
G-G4-1-5.0	L1740224-10	TPHG C5 - C12	1.75	B J	1.30	3.90	25	06/03/2024 17:15	WG2297754
P-06-5.0	L1740224-12	TPHG C5 - C12	5.01	B	0.974	2.93	25	05/30/2024 07:51	WG2295233
P-08-5.0	L1740224-13	TPHG C5 - C12	2.58	B J	1.34	4.02	25	05/30/2024 08:14	WG2295233
P-01-16.5	L1740224-14	TPHG C5 - C12	2340		49.2	148	1000	05/30/2024 21:24	WG2295674
P-01-16.0	L1740224-15	TPHG C5 - C12	209		1.27	3.82	25	05/30/2024 08:58	WG2295233
P-02-12.5	L1740224-16	TPHG C5 - C12	2.91	B J	1.33	3.99	25	05/30/2024 09:44	WG2295233
GW-06-17.5	L1740224-17	TPHG C5 - C12	15.3		1.16	3.50	25	05/30/2024 10:30	WG2295233
GW-06-12.5	L1740224-18	TPHG C5 - C12	343		11.6	35.0	250	05/30/2024 21:44	WG2295674
UC-B4-2-3.0	L1740224-23	TPHG C5 - C12	8.10	B	1.02	3.09	26.3	06/03/2024 03:44	WG2297149
UC-B4-2-5.0	L1740224-25	TPHG C5 - C12	1.91	B J	1.09	3.30	25	05/30/2024 10:53	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052324	L1740224-20	2-Butanone (MEK)	1.22	J	1.19	10.0	1	06/01/2024 00:45	WG2296577
GW-5-2	L1740224-28	Methyl tert-butyl ether	1.03		0.101	1.00	1	06/01/2024 03:19	WG2296577
P-10	L1740224-29	1,1-Dichloroethane	0.302	J	0.100	1.00	1	06/01/2024 03:38	WG2296577
P-10	L1740224-29	1,1-Dichloroethene	0.266	J	0.188	1.00	1	06/01/2024 03:38	WG2296577
P-10	L1740224-29	cis-1,2-Dichloroethene	1.25		0.126	1.00	1	06/01/2024 03:38	WG2296577
P-10	L1740224-29	Methyl tert-butyl ether	1.64		0.101	1.00	1	06/01/2024 03:38	WG2296577
P-10	L1740224-29	Tetrachloroethene	5.57		0.300	1.00	1	06/01/2024 03:38	WG2296577
P-10	L1740224-29	Trichloroethene	6.26		0.190	1.00	1	06/01/2024 03:38	WG2296577
DUP-1	L1740224-30	1,1-Dichloroethane	0.298	J	0.100	1.00	1	06/01/2024 03:57	WG2296577
DUP-1	L1740224-30	1,1-Dichloroethene	0.289	J	0.188	1.00	1	06/01/2024 03:57	WG2296577
DUP-1	L1740224-30	cis-1,2-Dichloroethene	1.32		0.126	1.00	1	06/01/2024 03:57	WG2296577
DUP-1	L1740224-30	Methyl tert-butyl ether	1.69		0.101	1.00	1	06/01/2024 03:57	WG2296577
DUP-1	L1740224-30	Tetrachloroethene	6.10		0.300	1.00	1	06/01/2024 03:57	WG2296577
DUP-1	L1740224-30	Trichloroethene	6.42		0.190	1.00	1	06/01/2024 03:57	WG2296577
GW-1-1	L1740224-31	1,1-Dichloroethane	1.27		0.100	1.00	1	06/01/2024 04:16	WG2296577
GW-1-1	L1740224-31	1,1-Dichloroethene	0.213	J	0.188	1.00	1	06/01/2024 04:16	WG2296577
GW-1-1	L1740224-31	cis-1,2-Dichloroethene	0.203	J	0.126	1.00	1	06/01/2024 04:16	WG2296577
GW-1-1	L1740224-31	Methyl tert-butyl ether	0.223	J	0.101	1.00	1	06/01/2024 04:16	WG2296577
GW-1-1	L1740224-31	Vinyl chloride	2.81		0.234	1.00	1	06/01/2024 04:16	WG2296577
GW-2-1	L1740224-32	Acetone	24.8	J	11.3	50.0	1	06/01/2024 04:35	WG2296577
GW-2-1	L1740224-32	1,1-Dichloroethane	0.421	J	0.100	1.00	1	06/01/2024 04:35	WG2296577
GW-2-1	L1740224-32	2-Butanone (MEK)	3.87	J	1.19	10.0	1	06/01/2024 04:35	WG2296577
GW-2-1	L1740224-32	Methyl tert-butyl ether	0.211	J	0.101	1.00	1	06/01/2024 04:35	WG2296577
GW-2-1	L1740224-32	Vinyl chloride	1.26		0.234	1.00	1	06/01/2024 04:35	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-2.0	L1740224-02	Benzene	0.0216		0.00346	0.00741	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	sec-Butylbenzene	0.0367	J	0.0213	0.0926	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	cis-1,2-Dichloroethene	0.0754		0.00544	0.0185	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Ethylbenzene	0.0272		0.00546	0.0185	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Isopropylbenzene	0.0200		0.00315	0.0185	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	p-Isopropyltoluene	0.0311	J	0.0189	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Methylene Chloride	0.0693	J	0.0492	0.185	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Naphthalene	0.0936		0.0362	0.0926	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	n-Propylbenzene	0.0274	J	0.00703	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Tetrachloroethene	0.101		0.00664	0.0185	4.52	06/02/2024 17:11	WG2297114

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-2.0	L1740224-02	Toluene	0.0648		0.00964	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Trichloroethene	0.0721		0.00433	0.00741	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	1,2,4-Trimethylbenzene	0.0921		0.0117	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	1,2,3-Trimethylbenzene	0.0813		0.0117	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	1,3,5-Trimethylbenzene	0.0521		0.0148	0.0370	4.52	06/02/2024 17:11	WG2297114
G-F3-1-2.0	L1740224-02	Xylenes, Total	0.211		0.00652	0.0482	4.52	06/02/2024 17:11	WG2297114
G-F3-1-3.0	L1740224-03	Benzene	0.0602		0.00385	0.00823	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	sec-Butylbenzene	0.0498	J	0.0237	0.103	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Chlorobenzene	0.00905	J	0.00172	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	1,1-Dichloroethane	0.00905	J	0.00405	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	cis-1,2-Dichloroethene	0.209		0.00604	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	trans-1,2-Dichloroethene	0.0136	J	0.00856	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Ethylbenzene	0.0619		0.00607	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Isopropylbenzene	0.0834		0.00350	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	p-Isopropyltoluene	0.0401	J	0.0209	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Naphthalene	0.138		0.0401	0.103	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	n-Propylbenzene	0.0564		0.00781	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Tetrachloroethene	0.0680		0.00736	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Toluene	0.131		0.0107	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Trichloroethene	0.177		0.00481	0.00823	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	1,2,4-Trimethylbenzene	0.0886		0.0130	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	1,2,3-Trimethylbenzene	0.0942		0.0130	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	1,3,5-Trimethylbenzene	0.0574		0.0165	0.0411	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Vinyl chloride	0.107		0.00954	0.0206	4.96	06/02/2024 17:31	WG2297114
G-F3-1-3.0	L1740224-03	Xylenes, Total	0.362		0.00723	0.0534	4.96	06/02/2024 17:31	WG2297114
G-F3-1-5.0	L1740224-05	Benzene	0.102		0.000806	0.00173	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	1,1-Dichloroethene	0.00125	J	0.00105	0.00432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	cis-1,2-Dichloroethene	0.0939		0.00127	0.00432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Ethylbenzene	0.0948		0.00127	0.00432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Isopropylbenzene	0.0304		0.000734	0.00432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	p-Isopropyltoluene	0.0156		0.00440	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Methylene Chloride	0.0172	J	0.0115	0.0432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Naphthalene	0.0546		0.00842	0.0216	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	n-Propylbenzene	0.0445		0.00164	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Toluene	0.185		0.00224	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Trichloroethene	0.00615		0.00101	0.00173	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	1,2,4-Trimethylbenzene	0.192		0.00273	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	1,2,3-Trimethylbenzene	0.0894		0.00273	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	1,3,5-Trimethylbenzene	0.0929		0.00345	0.00863	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Vinyl chloride	0.0338		0.00200	0.00432	1	06/02/2024 16:12	WG2297114
G-F3-1-5.0	L1740224-05	Xylenes, Total	0.190		0.00152	0.0112	1	06/02/2024 16:12	WG2297114
G-G4-1-2.0	L1740224-07	Benzene	0.00446		0.000885	0.00190	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	1,4-Dichlorobenzene	0.00279	J	0.00133	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Ethylbenzene	0.00688		0.00140	0.00475	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Isopropylbenzene	0.00152	J	0.000807	0.00475	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	p-Isopropyltoluene	0.00489	J	0.00484	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Naphthalene	0.0524		0.00926	0.0238	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	n-Propylbenzene	0.00555	J	0.00180	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Tetrachloroethene	0.0180		0.00170	0.00475	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Toluene	0.0248		0.00247	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Trichloroethene	0.00204		0.00111	0.00190	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	1,2,4-Trimethylbenzene	0.0295		0.00299	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	1,2,3-Trimethylbenzene	0.0116		0.00299	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	1,3,5-Trimethylbenzene	0.0107		0.00379	0.00949	1.23	05/30/2024 20:28	WG2295815
G-G4-1-2.0	L1740224-07	Xylenes, Total	0.0484		0.00167	0.0123	1.23	05/30/2024 20:28	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G4-1-3.0	L1740224-08	Benzene	0.0234		0.000771	0.00165	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	n-Butylbenzene	0.0203	J	0.00867	0.0207	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	sec-Butylbenzene	0.0103	J	0.00475	0.0207	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	Ethylbenzene	0.0434		0.00122	0.00414	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	Isopropylbenzene	0.0123		0.000702	0.00414	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	Naphthalene	0.0201	J	0.00806	0.0207	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	n-Propylbenzene	0.0349		0.00157	0.00826	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	Toluene	0.0670		0.00215	0.00826	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	1,2,4-Trimethylbenzene	0.00975		0.00260	0.00826	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	1,2,3-Trimethylbenzene	0.00442	J	0.00260	0.00826	1.23	05/30/2024 20:50	WG2295815
G-G4-1-3.0	L1740224-08	Xylenes, Total	0.0447		0.00145	0.0107	1.23	05/30/2024 20:50	WG2295815
G-G4-1-5.0	L1740224-10	Trichloroethene	0.00334		0.000903	0.00155	1	05/30/2024 21:13	WG2295815
P-06-5.0	L1740224-12	Benzene	0.0115		0.000552	0.00118	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Chlorobenzene	0.0552		0.000248	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	1,2-Dichlorobenzene	0.00936		0.000502	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	1,1-Dichloroethane	0.0311		0.000580	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	cis-1,2-Dichloroethene	0.00899		0.000867	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Ethylbenzene	0.00304		0.000871	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Isopropylbenzene	0.00146	J	0.000502	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	p-Isopropyltoluene	0.00308	J	0.00301	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Naphthalene	0.00905	J	0.00577	0.0148	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	n-Propylbenzene	0.00151	J	0.00112	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Toluene	0.00599		0.00154	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Trichloroethene	0.00324		0.000690	0.00118	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	1,2,4-Trimethylbenzene	0.00481	J	0.00187	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	1,2,3-Trimethylbenzene	0.00470	J	0.00187	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	1,3,5-Trimethylbenzene	0.00236	J	0.00236	0.00591	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Vinyl chloride	0.00372		0.00137	0.00295	1	05/30/2024 21:35	WG2295815
P-06-5.0	L1740224-12	Xylenes, Total	0.00689	J	0.00104	0.00768	1	05/30/2024 21:35	WG2295815
P-08-5.0	L1740224-13	Chlorobenzene	0.00536		0.000329	0.00392	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	1,2-Dichlorobenzene	0.0168		0.000667	0.00784	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	1,4-Dichlorobenzene	0.00668	J	0.00110	0.00784	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	1,1-Dichloroethane	0.00154	J	0.000770	0.00392	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	cis-1,2-Dichloroethene	0.232		0.00115	0.00392	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	trans-1,2-Dichloroethene	0.00910		0.00163	0.00784	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	Isopropylbenzene	0.000772	J	0.000667	0.00392	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	Trichloroethene	0.00524		0.000916	0.00157	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	1,2,4-Trimethylbenzene	0.00303	J	0.00248	0.00784	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	Vinyl chloride	0.0671		0.00182	0.00392	1	05/30/2024 21:57	WG2295815
P-08-5.0	L1740224-13	Xylenes, Total	0.00248	J	0.00138	0.0102	1	05/30/2024 21:57	WG2295815
P-01-16.5	L1740224-14	Benzene	3.56		0.0564	0.121	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	n-Butylbenzene	33.9		0.633	1.51	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	sec-Butylbenzene	18.1		0.347	1.51	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	Ethylbenzene	75.4		0.0889	0.301	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	Isopropylbenzene	21.6		0.0512	0.301	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	Naphthalene	49.6		0.588	1.51	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	n-Propylbenzene	77.8		0.115	0.603	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	Toluene	0.996		0.157	0.603	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	1,2,4-Trimethylbenzene	0.220	J	0.190	0.603	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	1,2,3-Trimethylbenzene	6.30		0.190	0.603	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	1,3,5-Trimethylbenzene	2.23		0.241	0.603	80	05/31/2024 00:32	WG2295815
P-01-16.5	L1740224-14	Xylenes, Total	3.87		0.106	0.784	80	05/31/2024 00:32	WG2295815

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
P-01-16.0	L1740224-15	Benzene	0.426		0.000713	0.00153	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	n-Butylbenzene	1.48		0.00801	0.0191	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	sec-Butylbenzene	0.693		0.0440	0.191	10	06/02/2024 17:50	WG2297114
P-01-16.0	L1740224-15	Ethylbenzene	7.10		0.0112	0.0382	10	06/02/2024 17:50	WG2297114
P-01-16.0	L1740224-15	Isopropylbenzene	1.13		0.000649	0.00382	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	p-Isopropyltoluene	0.313		0.00389	0.00763	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	Naphthalene	2.84		0.00745	0.0191	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	n-Propylbenzene	3.66		0.0145	0.0763	10	06/02/2024 17:50	WG2297114
P-01-16.0	L1740224-15	Toluene	0.0928		0.00198	0.00763	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	1,2,4-Trimethylbenzene	0.0197		0.00241	0.00763	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	1,2,3-Trimethylbenzene	1.06		0.00241	0.00763	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	1,3,5-Trimethylbenzene	0.290		0.00305	0.00763	1	05/30/2024 22:19	WG2295815
P-01-16.0	L1740224-15	Xylenes, Total	0.333		0.00134	0.00992	1	05/30/2024 22:19	WG2295815
P-02-12.5	L1740224-16	Xylenes, Total	0.00325	J	0.00143	0.0106	1	05/30/2024 22:41	WG2295815
GW-06-12.5	L1740224-18	n-Butylbenzene	0.510		0.147	0.351	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	sec-Butylbenzene	0.474		0.0808	0.351	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	Ethylbenzene	0.0655	J	0.0206	0.0701	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	Isopropylbenzene	0.142		0.0119	0.0701	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	p-Isopropyltoluene	0.116	J	0.0715	0.140	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	Naphthalene	0.213	J	0.137	0.351	20	05/31/2024 00:54	WG2295815
GW-06-12.5	L1740224-18	n-Propylbenzene	0.188		0.0266	0.140	20	05/31/2024 00:54	WG2295815
UC-B4-2-2.0	L1740224-22	Benzene	0.307		0.000685	0.00147	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,2-Dichlorobenzene	0.00238	J	0.000624	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,1-Dichloroethane	0.0725		0.000721	0.00367	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	Ethylbenzene	0.119		0.00108	0.00367	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	Isopropylbenzene	0.0178		0.000624	0.00367	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	p-Isopropyltoluene	0.0346		0.00374	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	Naphthalene	0.183		0.00716	0.0183	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	n-Propylbenzene	0.0345		0.00139	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	Toluene	0.409		0.00191	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,1,1-Trichloroethane	0.0141		0.00135	0.00367	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,2,4-Trimethylbenzene	0.105		0.00232	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,2,3-Trimethylbenzene	0.0484		0.00232	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	1,3,5-Trimethylbenzene	0.0420		0.00294	0.00734	1	05/31/2024 02:02	WG2295920
UC-B4-2-2.0	L1740224-22	Xylenes, Total	0.537		0.00129	0.00954	1	05/31/2024 02:02	WG2295920
UC-B4-5.0	L1740224-25	Benzene	0.00235		0.000609	0.00130	1	05/31/2024 02:21	WG2295920
UC-B4-5.0	L1740224-25	Naphthalene	0.0124	J	0.00636	0.0163	1	05/31/2024 02:21	WG2295920
UC-B4-5.0	L1740224-25	Toluene	0.00297	J	0.00169	0.00652	1	05/31/2024 02:21	WG2295920
UC-B4-5.0	L1740224-25	Xylenes, Total	0.00222	J	0.00115	0.00847	1	05/31/2024 02:21	WG2295920

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052324	L1740224-20	C12-C22 Hydrocarbons	36.5	J	33.0	100	1	05/30/2024 09:05	WG2294852
EB-052324	L1740224-20	C22-C32 Hydrocarbons	33.9	J	33.0	100	1	05/30/2024 09:05	WG2294852
GW-5-2	L1740224-28	C12-C22 Hydrocarbons	53.7	J	33.0	100	1	06/02/2024 09:10	WG2296326
GW-5-2	L1740224-28	C22-C32 Hydrocarbons	114		33.0	100	1	06/02/2024 09:10	WG2296326
P-10	L1740224-29	C12-C22 Hydrocarbons	102		33.0	100	1	05/30/2024 09:45	WG2294852
P-10	L1740224-29	C22-C32 Hydrocarbons	166		33.0	100	1	05/30/2024 09:45	WG2294852
P-10	L1740224-29	C32-C40 Hydrocarbons	89.1	J	33.0	100	1	06/02/2024 11:51	WG2294852
DUP-1	L1740224-30	C12-C22 Hydrocarbons	94.5	J	33.0	100	1	05/30/2024 10:05	WG2294852
DUP-1	L1740224-30	C22-C32 Hydrocarbons	136		33.0	100	1	05/30/2024 10:05	WG2294852
DUP-1	L1740224-30	C32-C40 Hydrocarbons	88.7	J	33.0	100	1	05/30/2024 10:05	WG2294852

DETECTION SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-1-1	L1740224-31	C12-C22 Hydrocarbons	122		33.0	100	1	06/02/2024 09:30	WG2296326
GW-1-1	L1740224-31	C22-C32 Hydrocarbons	247		33.0	100	1	06/02/2024 09:30	WG2296326
GW-1-1	L1740224-31	C32-C40 Hydrocarbons	91.6	J	33.0	100	1	06/02/2024 09:30	WG2296326
GW-2-1	L1740224-32	C12-C22 Hydrocarbons	1670		33.0	100	1	05/30/2024 10:46	WG2294852
GW-2-1	L1740224-32	C22-C32 Hydrocarbons	700		33.0	100	1	05/30/2024 10:46	WG2294852
GW-2-1	L1740224-32	C32-C40 Hydrocarbons	311		33.0	100	1	06/02/2024 12:11	WG2294852

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-2.0	L1740224-02	C12-C22 Hydrocarbons	874		9.81	53.6	10	06/07/2024 05:37	WG2300018
G-F3-1-2.0	L1740224-02	C22-C32 Hydrocarbons	3860		89.0	268	50	06/07/2024 11:09	WG2300018
G-F3-1-2.0	L1740224-02	C32-C40 Hydrocarbons	1000		17.8	53.6	10	06/07/2024 05:37	WG2300018
G-F3-1-3.0	L1740224-03	C12-C22 Hydrocarbons	1660		10.0	54.6	10	06/03/2024 19:01	WG2296785
G-F3-1-3.0	L1740224-03	C22-C32 Hydrocarbons	5520		181	546	100	06/04/2024 06:24	WG2296785
G-F3-1-3.0	L1740224-03	C32-C40 Hydrocarbons	1320		181	546	100	06/04/2024 06:24	WG2296785
G-F3-1-5.0	L1740224-05	C12-C22 Hydrocarbons	886		4.92	26.8	5	06/03/2024 18:47	WG2296785
G-F3-1-5.0	L1740224-05	C22-C32 Hydrocarbons	2970		89.1	268	50	06/04/2024 06:52	WG2296785
G-F3-1-5.0	L1740224-05	C32-C40 Hydrocarbons	793		89.1	268	50	06/04/2024 06:52	WG2296785
G-G4-1-3.0	L1740224-08	C12-C22 Hydrocarbons	9.22		0.872	4.76	1	06/03/2024 18:18	WG2296785
G-G4-1-3.0	L1740224-08	C22-C32 Hydrocarbons	27.0		1.58	4.76	1	06/03/2024 18:18	WG2296785
G-G4-1-3.0	L1740224-08	C32-C40 Hydrocarbons	16.2		1.58	4.76	1	06/03/2024 18:18	WG2296785
G-G4-1-5.0	L1740224-10	C12-C22 Hydrocarbons	2.22	J	0.928	5.07	1	06/03/2024 13:37	WG2296787
G-G4-1-5.0	L1740224-10	C22-C32 Hydrocarbons	4.48	J	1.68	5.07	1	06/03/2024 13:37	WG2296787
P-06-5.0	L1740224-12	C12-C22 Hydrocarbons	229		7.95	43.4	10	06/03/2024 16:23	WG2296787
P-06-5.0	L1740224-12	C22-C32 Hydrocarbons	1340		14.4	43.4	10	06/03/2024 16:23	WG2296787
P-06-5.0	L1740224-12	C32-C40 Hydrocarbons	936		14.4	43.4	10	06/03/2024 16:23	WG2296787
P-08-5.0	L1740224-13	C12-C22 Hydrocarbons	1.90	J	0.921	5.03	1	06/03/2024 13:51	WG2296787
P-08-5.0	L1740224-13	C22-C32 Hydrocarbons	5.88		1.67	5.03	1	06/03/2024 13:51	WG2296787
P-08-5.0	L1740224-13	C32-C40 Hydrocarbons	3.28	J	1.67	5.03	1	06/03/2024 13:51	WG2296787
P-01-16.5	L1740224-14	C12-C22 Hydrocarbons	37.6		0.894	4.88	1	06/03/2024 14:47	WG2296787
P-01-16.5	L1740224-14	C22-C32 Hydrocarbons	2.94	J	1.62	4.88	1	06/03/2024 14:47	WG2296787
P-01-16.0	L1740224-15	C12-C22 Hydrocarbons	169		0.906	4.95	1	06/03/2024 15:41	WG2296787
P-01-16.0	L1740224-15	C22-C32 Hydrocarbons	15.6		1.64	4.95	1	06/03/2024 15:41	WG2296787
P-01-16.0	L1740224-15	C32-C40 Hydrocarbons	11.0		1.64	4.95	1	06/03/2024 15:41	WG2296787
GW-06-17.5	L1740224-17	C12-C22 Hydrocarbons	1.95	J	0.859	4.69	1	06/03/2024 14:19	WG2296787
GW-06-12.5	L1740224-18	C12-C22 Hydrocarbons	17.6		0.860	4.69	1	06/03/2024 14:33	WG2296787
UC-B4-2-3.0	L1740224-23	C12-C22 Hydrocarbons	16.1		1.60	8.71	2	06/03/2024 16:09	WG2296787
UC-B4-2-3.0	L1740224-23	C22-C32 Hydrocarbons	93.9		2.90	8.71	2	06/03/2024 16:09	WG2296787
UC-B4-2-3.0	L1740224-23	C32-C40 Hydrocarbons	72.2		2.90	8.71	2	06/03/2024 16:09	WG2296787
UC-B4-2-5.0	L1740224-25	C12-C22 Hydrocarbons	2.30	J	0.844	4.61	1	06/03/2024 15:55	WG2296787
UC-B4-2-5.0	L1740224-25	C22-C32 Hydrocarbons	9.75		1.53	4.61	1	06/03/2024 15:55	WG2296787
UC-B4-2-5.0	L1740224-25	C32-C40 Hydrocarbons	6.53		1.53	4.61	1	06/03/2024 15:55	WG2296787

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F3-1-1.0	L1740224-01	Fluoranthene	0.0357	J	0.0315	0.175	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	Fluorene	0.0375	J	0.0284	0.175	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	Naphthalene	0.0714	J	0.0438	0.175	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	Phenanthrene	0.0608	J	0.0347	0.175	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	Pyrene	0.0520	J	0.0339	0.175	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	2,4-Dimethylphenol	0.0582	J	0.0456	1.75	5	06/02/2024 17:14	WG2296790
G-F3-1-1.0	L1740224-01	Phenol	0.113	J	0.0702	1.75	5	06/02/2024 17:14	WG2296790
G-F3-1-2.0	L1740224-02	Fluoranthene	0.0142	J	0.00805	0.0446	1	06/02/2024 13:33	WG2296790
G-F3-1-2.0	L1740224-02	Naphthalene	0.0186	J	0.0112	0.0446	1	06/02/2024 13:33	WG2296790
G-F3-1-2.0	L1740224-02	Phenanthrene	0.0204	J	0.00885	0.0446	1	06/02/2024 13:33	WG2296790
G-F3-1-2.0	L1740224-02	Pyrene	0.0133	J	0.00868	0.0446	1	06/02/2024 13:33	WG2296790
G-F3-1-2.0	L1740224-02	2,4-Dimethylphenol	0.0126	J	0.0116	0.446	1	06/02/2024 13:33	WG2296790
G-F3-1-3.0	L1740224-03	Fluoranthene	0.0126	J	0.00820	0.0454	1	06/02/2024 12:19	WG2296790
G-F3-1-3.0	L1740224-03	Naphthalene	0.0153	J	0.0114	0.0454	1	06/02/2024 12:19	WG2296790
G-F3-1-3.0	L1740224-03	Phenanthrene	0.0179	J	0.00902	0.0454	1	06/02/2024 12:19	WG2296790
G-F3-1-3.0	L1740224-03	Pyrene	0.0127	J	0.00884	0.0454	1	06/02/2024 12:19	WG2296790
G-G4-1-1.0	L1740224-06	Fluoranthene	0.00731	J	0.00720	0.0399	1	06/02/2024 11:30	WG2296790
G-G4-1-1.0	L1740224-06	Naphthalene	0.0138	J	0.0100	0.0399	1	06/02/2024 11:30	WG2296790
G-G4-1-2.0	L1740224-07	Acenaphthene	0.00893	J	0.00700	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Acenaphthylene	0.00751	J	0.00609	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Anthracene	0.0407	J	0.00771	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Benzo(a)anthracene	0.133		0.00763	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Benzo(b)fluoranthene	0.161		0.00807	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Benzo(k)fluoranthene	0.0531		0.00769	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Benzo(g,h,i)perylene	0.0924		0.00791	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Benzo(a)pyrene	0.129		0.00804	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Chrysene	0.149		0.00860	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Dibenz(a,h)anthracene	0.0247	J	0.0120	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Fluoranthene	0.218		0.00781	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Fluorene	0.00758	J	0.00704	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Indeno(1,2,3-cd)pyrene	0.104		0.0122	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Naphthalene	0.0133	J	0.0109	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Phenanthrene	0.121		0.00859	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Di-n-butyl phthalate	0.0291	J	0.0148	0.433	1	06/02/2024 14:22	WG2296790
G-G4-1-2.0	L1740224-07	Pyrene	0.201		0.00842	0.0433	1	06/02/2024 14:22	WG2296790
G-G4-1-3.0	L1740224-08	Benzo(a)anthracene	0.0128	J	0.00698	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Benzo(b)fluoranthene	0.0158	J	0.00739	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Benzo(g,h,i)perylene	0.00840	J	0.00724	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Benzo(a)pyrene	0.0124	J	0.00736	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Chrysene	0.0150	J	0.00787	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Fluoranthene	0.0251	J	0.00715	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Phenanthrene	0.0191	J	0.00786	0.0396	1	06/02/2024 11:55	WG2296790
G-G4-1-3.0	L1740224-08	Pyrene	0.0271	J	0.00771	0.0396	1	06/02/2024 11:55	WG2296790
UC-B4-2-1.0	L1740224-21	Benzo(b)fluoranthene	0.0541	J	0.0340	0.183	5	06/02/2024 16:25	WG2296790
UC-B4-2-1.0	L1740224-21	Benzo(a)pyrene	0.0399	J	0.0338	0.183	5	06/02/2024 16:25	WG2296790
UC-B4-2-1.0	L1740224-21	Fluoranthene	0.0484	J	0.0329	0.183	5	06/02/2024 16:25	WG2296790
UC-B4-2-1.0	L1740224-21	Naphthalene	0.0502	J	0.0457	0.183	5	06/02/2024 16:25	WG2296790
UC-B4-2-1.0	L1740224-21	Phenanthrene	0.0415	J	0.0362	0.183	5	06/02/2024 16:25	WG2296790
UC-B4-2-1.0	L1740224-21	Pyrene	0.0487	J J3	0.0355	0.183	5	06/02/2024 16:25	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
UC-B4-2-2.0	L1740224-22	Acenaphthene	0.0259	J	0.00658	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Anthracene	0.137		0.00724	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzo(a)anthracene	0.123		0.00717	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzo(b)fluoranthene	0.253		0.00759	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzo(k)fluoranthene	0.0633		0.00723	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzo(g,h,i)perylene	0.0997		0.00744	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzo(a)pyrene	0.151		0.00756	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Chrysene	0.127		0.00809	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Dibenz(a,h)anthracene	0.0286	J	0.0113	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Fluoranthene	0.228		0.00734	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Fluorene	0.0887		0.00662	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Indeno(1,2,3-cd)pyrene	0.108		0.0115	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Naphthalene	0.475		0.0102	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Phenanthrene	0.203		0.00807	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Benzylbutyl phthalate	0.109	J	0.0127	0.407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Bis(2-ethylhexyl)phthalate	0.126	J	0.0515	0.407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Pyrene	0.204		0.00792	0.0407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	2,4-Dimethylphenol	0.257	J	0.0106	0.407	1	06/02/2024 14:47	WG2296790
UC-B4-2-2.0	L1740224-22	Phenol	0.564		0.0164	0.407	1	06/02/2024 14:47	WG2296790
UC-B4-2-3.0	L1740224-23	Benzo(b)fluoranthene	0.00774	J	0.00676	0.0363	1	06/02/2024 13:57	WG2296790
UC-B4-2-3.0	L1740224-23	Benzo(g,h,i)perylene	0.00665	J	0.00663	0.0363	1	06/02/2024 13:57	WG2296790
UC-B4-2-3.0	L1740224-23	Di-n-butyl phthalate	0.173	J	0.0124	0.363	1	06/02/2024 13:57	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	05/27/2024 10:05	WG2293529

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U	J3 J6 O1	0.0189	0.0419	1	05/26/2024 19:05	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.27		0.570	2.09	1	06/04/2024 23:42	WG2298458
Arsenic	U		0.543	2.09	1	06/04/2024 23:42	WG2298458
Barium	193		0.0892	0.524	1	06/04/2024 23:42	WG2298458
Beryllium	0.685		0.0330	0.209	1	06/04/2024 23:42	WG2298458
Cadmium	0.398	J	0.0493	0.524	1	06/04/2024 23:42	WG2298458
Chromium	43.3		0.139	1.05	1	06/04/2024 23:42	WG2298458
Cobalt	1.92		0.0849	1.05	1	06/04/2024 23:42	WG2298458
Copper	64.1		0.419	2.09	1	06/04/2024 23:42	WG2298458
Lead	141		0.218	0.524	1	06/04/2024 23:42	WG2298458
Molybdenum	2.99		0.114	0.524	1	06/04/2024 23:42	WG2298458
Nickel	15.6		0.138	2.09	1	06/04/2024 23:42	WG2298458
Selenium	U		0.800	2.09	1	06/04/2024 23:42	WG2298458
Silver	20.4		0.133	1.05	1	06/05/2024 13:16	WG2298458
Thallium	1.71	J	0.413	2.09	1	06/05/2024 13:16	WG2298458
Vanadium	13.0		0.530	2.09	1	06/04/2024 23:42	WG2298458
Zinc	99.4		0.871	5.24	1	06/04/2024 23:42	WG2298458

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	74.1	Q	9.37	28.2	258	06/07/2024 12:28	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*06/07/2024 12:28*	WG2300368

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0247	0.0712	2	06/02/2024 01:44	WG2296926
PCB 1221	U		0.0247	0.0712	2	06/02/2024 01:44	WG2296926
PCB 1232	U		0.0247	0.0712	2	06/02/2024 01:44	WG2296926
PCB 1242	U		0.0247	0.0712	2	06/02/2024 01:44	WG2296926
PCB 1248	U		0.0155	0.0356	2	06/02/2024 01:44	WG2296926
PCB 1254	U		0.0155	0.0356	2	06/02/2024 01:44	WG2296926
PCB 1260	U		0.0155	0.0356	2	06/02/2024 01:44	WG2296926
(S) Decachlorobiphenyl	*79.4*			*10.0-135*		*06/02/2024 01:44*	WG2296926
(S) Tetrachloro-m-xylene	*79.7*			*10.0-139*		*06/02/2024 01:44*	WG2296926

Sample Narrative:

L1740224-01 WG2296926: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0282	0.175	5	06/02/2024 17:14	WG2296790
Acenaphthylene	U		0.0245	0.175	5	06/02/2024 17:14	WG2296790
Anthracene	U		0.0311	0.175	5	06/02/2024 17:14	WG2296790
Benzidine	U		0.328	8.75	5	06/02/2024 17:14	WG2296790
Benzo(a)anthracene	U		0.0307	0.175	5	06/02/2024 17:14	WG2296790
Benzo(b)fluoranthene	U		0.0326	0.175	5	06/02/2024 17:14	WG2296790
Benzo(k)fluoranthene	U		0.0310	0.175	5	06/02/2024 17:14	WG2296790
Benzo(g,h,i)perylene	U		0.0319	0.175	5	06/02/2024 17:14	WG2296790
Benzo(a)pyrene	U		0.0324	0.175	5	06/02/2024 17:14	WG2296790
Bis(2-chlorethoxy)methane	U		0.0524	1.75	5	06/02/2024 17:14	WG2296790
Bis(2-chloroethyl)ether	U		0.0576	1.75	5	06/02/2024 17:14	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0754	1.75	5	06/02/2024 17:14	WG2296790
4-Bromophenyl-phenylether	U		0.0613	1.75	5	06/02/2024 17:14	WG2296790
2-Chloronaphthalene	U		0.0307	0.175	5	06/02/2024 17:14	WG2296790
4-Chlorophenyl-phenylether	U		0.0608	1.75	5	06/02/2024 17:14	WG2296790
Chrysene	U		0.0347	0.175	5	06/02/2024 17:14	WG2296790
Dibenz(a,h)anthracene	U		0.0484	0.175	5	06/02/2024 17:14	WG2296790
1,2-Dichlorobenzene	U		0.0517	1.75	5	06/02/2024 17:14	WG2296790
1,3-Dichlorobenzene	U		0.0529	1.75	5	06/02/2024 17:14	WG2296790
1,4-Dichlorobenzene	U		0.0520	1.75	5	06/02/2024 17:14	WG2296790
3,3-Dichlorobenzidine	U		0.0644	1.75	5	06/02/2024 17:14	WG2296790
2,4-Dinitrotoluene	U		0.0501	1.75	5	06/02/2024 17:14	WG2296790
2,6-Dinitrotoluene	U		0.0571	1.75	5	06/02/2024 17:14	WG2296790
Fluoranthene	0.0357	J	0.0315	0.175	5	06/02/2024 17:14	WG2296790
Fluorene	0.0375	J	0.0284	0.175	5	06/02/2024 17:14	WG2296790
Hexachlorobenzene	U		0.0618	1.75	5	06/02/2024 17:14	WG2296790
Hexachloro-1,3-butadiene	U		0.0587	1.75	5	06/02/2024 17:14	WG2296790
Hexachlorocyclopentadiene	U		0.0917	1.75	5	06/02/2024 17:14	WG2296790
Hexachloroethane	U		0.0686	1.75	5	06/02/2024 17:14	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0493	0.175	5	06/02/2024 17:14	WG2296790
Isophorone	U		0.0534	1.75	5	06/02/2024 17:14	WG2296790
Naphthalene	0.0714	J	0.0438	0.175	5	06/02/2024 17:14	WG2296790
Nitrobenzene	U		0.0608	1.75	5	06/02/2024 17:14	WG2296790
n-Nitrosodimethylamine	U		0.259	1.75	5	06/02/2024 17:14	WG2296790
n-Nitrosodiphenylamine	U		0.132	1.75	5	06/02/2024 17:14	WG2296790
n-Nitrosodi-n-propylamine	U		0.0581	1.75	5	06/02/2024 17:14	WG2296790
Phenanthrene	0.0608	J	0.0347	0.175	5	06/02/2024 17:14	WG2296790
Benzylbutyl phthalate	U		0.0545	1.75	5	06/02/2024 17:14	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.221	1.75	5	06/02/2024 17:14	WG2296790
Di-n-butyl phthalate	U		0.0597	1.75	5	06/02/2024 17:14	WG2296790
Diethyl phthalate	U		0.0576	1.75	5	06/02/2024 17:14	WG2296790
Dimethyl phthalate	U		0.370	1.75	5	06/02/2024 17:14	WG2296790
Di-n-octyl phthalate	U		0.118	1.75	5	06/02/2024 17:14	WG2296790
Pyrene	0.0520	J	0.0339	0.175	5	06/02/2024 17:14	WG2296790
1,2,4-Trichlorobenzene	U		0.0545	1.75	5	06/02/2024 17:14	WG2296790
4-Chloro-3-methylphenol	U		0.0566	1.75	5	06/02/2024 17:14	WG2296790
2-Chlorophenol	U		0.0576	1.75	5	06/02/2024 17:14	WG2296790
2,4-Dichlorophenol	U		0.0508	1.75	5	06/02/2024 17:14	WG2296790
2,4-Dimethylphenol	0.0582	J	0.0456	1.75	5	06/02/2024 17:14	WG2296790
4,6-Dinitro-2-methylphenol	U		0.396	1.75	5	06/02/2024 17:14	WG2296790
2,4-Dinitrophenol	U		0.407	1.75	5	06/02/2024 17:14	WG2296790
2-Nitrophenol	U		0.0623	1.75	5	06/02/2024 17:14	WG2296790
4-Nitrophenol	U		0.0545	1.75	5	06/02/2024 17:14	WG2296790
Pentachlorophenol	U		0.0469	1.75	5	06/02/2024 17:14	WG2296790
Phenol	0.113	J	0.0702	1.75	5	06/02/2024 17:14	WG2296790
2,4,6-Trichlorophenol	U		0.0560	1.75	5	06/02/2024 17:14	WG2296790

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*43.0*			*12.0-120*		*06/02/2024 17:14*	WG2296790
(S) Phenol-d5	*40.6*			*10.0-120*		*06/02/2024 17:14*	WG2296790
(S) Nitrobenzene-d5	*31.2*			*10.0-122*		*06/02/2024 17:14*	WG2296790
(S) 2-Fluorobiphenyl	*43.3*			*15.0-120*		*06/02/2024 17:14*	WG2296790
(S) 2,4,6-Tribromophenol	*52.1*			*10.0-127*		*06/02/2024 17:14*	WG2296790
(S) p-Terphenyl-d14	*51.2*			*10.0-120*		*06/02/2024 17:14*	WG2296790

Sample Narrative:

L1740224-01 WG2296790: Dilution du to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	05/27/2024 10:05	WG2293529

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0241	0.0536	1	05/26/2024 19:47	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.64	J	0.728	2.68	1	06/04/2024 23:44	WG2298458
Arsenic	U		0.694	2.68	1	06/04/2024 23:44	WG2298458
Barium	122		0.114	0.670	1	06/04/2024 23:44	WG2298458
Beryllium	0.417		0.0422	0.268	1	06/04/2024 23:44	WG2298458
Cadmium	0.140	J	0.0631	0.670	1	06/04/2024 23:44	WG2298458
Chromium	21.1		0.178	1.34	1	06/04/2024 23:44	WG2298458
Cobalt	0.955	J	0.109	1.34	1	06/04/2024 23:44	WG2298458
Copper	48.4		0.536	2.68	1	06/04/2024 23:44	WG2298458
Lead	33.0		0.279	0.670	1	06/04/2024 23:44	WG2298458
Molybdenum	2.51		0.146	0.670	1	06/04/2024 23:44	WG2298458
Nickel	8.01		0.177	2.68	1	06/04/2024 23:44	WG2298458
Selenium	U		1.02	2.68	1	06/04/2024 23:44	WG2298458
Silver	11.7		0.170	1.34	1	06/05/2024 13:20	WG2298458
Thallium	U		0.528	2.68	1	06/04/2024 23:44	WG2298458
Vanadium	6.89		0.678	2.68	1	06/04/2024 23:44	WG2298458
Zinc	33.8		1.11	6.70	1	06/04/2024 23:44	WG2298458

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	35.3	B	3.05	9.20	56	06/06/2024 14:57	WG2299810
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*		*06/06/2024 14:57*	WG2299810

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.270	0.370	4.52	06/02/2024 17:11	WG2297114
Acrylonitrile	U		0.0267	0.0926	4.52	06/02/2024 17:11	WG2297114
Benzene	0.0216		0.00346	0.00741	4.52	06/02/2024 17:11	WG2297114
Bromobenzene	U		0.00667	0.0926	4.52	06/02/2024 17:11	WG2297114
Bromodichloromethane	U		0.00538	0.0185	4.52	06/02/2024 17:11	WG2297114
Bromoform	U		0.00867	0.185	4.52	06/02/2024 17:11	WG2297114
Bromomethane	U		0.0146	0.0926	4.52	06/02/2024 17:11	WG2297114
n-Butylbenzene	U		0.0389	0.0926	4.52	06/02/2024 17:11	WG2297114
sec-Butylbenzene	0.0367	J	0.0213	0.0926	4.52	06/02/2024 17:11	WG2297114
tert-Butylbenzene	U		0.0144	0.0370	4.52	06/02/2024 17:11	WG2297114
Carbon tetrachloride	U		0.00666	0.0370	4.52	06/02/2024 17:11	WG2297114
Chlorobenzene	U		0.00156	0.0185	4.52	06/02/2024 17:11	WG2297114
Chlorodibromomethane	U		0.00454	0.0185	4.52	06/02/2024 17:11	WG2297114
Chloroethane	U		0.0126	0.0370	4.52	06/02/2024 17:11	WG2297114
Chloroform	U		0.00764	0.0185	4.52	06/02/2024 17:11	WG2297114
Chloromethane	U		0.0323	0.0926	4.52	06/02/2024 17:11	WG2297114
2-Chlorotoluene	U		0.00641	0.0185	4.52	06/02/2024 17:11	WG2297114
4-Chlorotoluene	U		0.00333	0.0370	4.52	06/02/2024 17:11	WG2297114

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0289	0.185	4.52	06/02/2024 17:11	WG2297114
1,2-Dibromoethane	U		0.00480	0.0185	4.52	06/02/2024 17:11	WG2297114
Dibromomethane	U		0.00556	0.0370	4.52	06/02/2024 17:11	WG2297114
1,2-Dichlorobenzene	U		0.00315	0.0370	4.52	06/02/2024 17:11	WG2297114
1,3-Dichlorobenzene	U		0.00444	0.0370	4.52	06/02/2024 17:11	WG2297114
1,4-Dichlorobenzene	U		0.00518	0.0370	4.52	06/02/2024 17:11	WG2297114
Dichlorodifluoromethane	U		0.0119	0.0370	4.52	06/02/2024 17:11	WG2297114
1,1-Dichloroethane	U		0.00364	0.0185	4.52	06/02/2024 17:11	WG2297114
1,2-Dichloroethane	U		0.00480	0.0185	4.52	06/02/2024 17:11	WG2297114
1,1-Dichloroethene	U		0.00449	0.0185	4.52	06/02/2024 17:11	WG2297114
cis-1,2-Dichloroethene	0.0754		0.00544	0.0185	4.52	06/02/2024 17:11	WG2297114
trans-1,2-Dichloroethene	U		0.00771	0.0370	4.52	06/02/2024 17:11	WG2297114
1,2-Dichloropropane	U		0.0105	0.0370	4.52	06/02/2024 17:11	WG2297114
1,1-Dichloropropene	U		0.00600	0.0185	4.52	06/02/2024 17:11	WG2297114
1,3-Dichloropropane	U		0.00370	0.0370	4.52	06/02/2024 17:11	WG2297114
cis-1,3-Dichloropropene	U		0.00561	0.0185	4.52	06/02/2024 17:11	WG2297114
trans-1,3-Dichloropropene	U		0.00844	0.0370	4.52	06/02/2024 17:11	WG2297114
2,2-Dichloropropane	U	J3	0.0102	0.0185	4.52	06/02/2024 17:11	WG2297114
Di-isopropyl ether	U		0.00303	0.00741	4.52	06/02/2024 17:11	WG2297114
Ethylbenzene	0.0272		0.00546	0.0185	4.52	06/02/2024 17:11	WG2297114
Hexachloro-1,3-butadiene	U		0.0444	0.185	4.52	06/02/2024 17:11	WG2297114
Isopropylbenzene	0.0200		0.00315	0.0185	4.52	06/02/2024 17:11	WG2297114
p-Isopropyltoluene	0.0311	J	0.0189	0.0370	4.52	06/02/2024 17:11	WG2297114
2-Butanone (MEK)	U		0.471	0.741	4.52	06/02/2024 17:11	WG2297114
Methylene Chloride	0.0693	J	0.0492	0.185	4.52	06/02/2024 17:11	WG2297114
4-Methyl-2-pentanone (MIBK)	U		0.0169	0.185	4.52	06/02/2024 17:11	WG2297114
Methyl tert-butyl ether	U		0.00259	0.00741	4.52	06/02/2024 17:11	WG2297114
Naphthalene	0.0936		0.0362	0.0926	4.52	06/02/2024 17:11	WG2297114
n-Propylbenzene	0.0274	J	0.00703	0.0370	4.52	06/02/2024 17:11	WG2297114
Styrene	U		0.00170	0.0926	4.52	06/02/2024 17:11	WG2297114
1,1,1,2-Tetrachloroethane	U		0.00702	0.0185	4.52	06/02/2024 17:11	WG2297114
1,1,2,2-Tetrachloroethane	U		0.00515	0.0185	4.52	06/02/2024 17:11	WG2297114
1,1,2-Trichlorotrifluoroethane	U		0.00559	0.0185	4.52	06/02/2024 17:11	WG2297114
Tetrachloroethene	0.101		0.00664	0.0185	4.52	06/02/2024 17:11	WG2297114
Toluene	0.0648		0.00964	0.0370	4.52	06/02/2024 17:11	WG2297114
1,2,3-Trichlorobenzene	U		0.0543	0.0926	4.52	06/02/2024 17:11	WG2297114
1,2,4-Trichlorobenzene	U		0.0326	0.0926	4.52	06/02/2024 17:11	WG2297114
1,1,1-Trichloroethane	U		0.00684	0.0185	4.52	06/02/2024 17:11	WG2297114
1,1,2-Trichloroethane	U		0.00443	0.0185	4.52	06/02/2024 17:11	WG2297114
Trichloroethene	0.0721		0.00433	0.00741	4.52	06/02/2024 17:11	WG2297114
Trichlorofluoromethane	U		0.00613	0.0185	4.52	06/02/2024 17:11	WG2297114
1,2,3-Trichloropropane	U		0.0120	0.0926	4.52	06/02/2024 17:11	WG2297114
1,2,4-Trimethylbenzene	0.0921		0.0117	0.0370	4.52	06/02/2024 17:11	WG2297114
1,2,3-Trimethylbenzene	0.0813		0.0117	0.0370	4.52	06/02/2024 17:11	WG2297114
1,3,5-Trimethylbenzene	0.0521		0.0148	0.0370	4.52	06/02/2024 17:11	WG2297114
Vinyl chloride	U		0.00859	0.0185	4.52	06/02/2024 17:11	WG2297114
Xylenes, Total	0.211		0.00652	0.0482	4.52	06/02/2024 17:11	WG2297114
(S) Toluene-d8	*98.6*			*75.0-131*		*06/02/2024 17:11*	WG2297114
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*06/02/2024 17:11*	WG2297114
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*06/02/2024 17:11*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	874		9.81	53.6	10	06/07/2024 05:37	WG2300018
C22-C32 Hydrocarbons	3860		89.0	268	50	06/07/2024 11:09	WG2300018
C32-C40 Hydrocarbons	1000		17.8	53.6	10	06/07/2024 05:37	WG2300018
(S) o-Terphenyl	*44.8*	J7		*18.0-148*		*06/07/2024 11:09*	WG2300018
(S) o-Terphenyl	*160*	J1		*18.0-148*		*06/07/2024 05:37*	WG2300018

Sample Narrative:

L1740224-02 WG2300018: Surrogate failure due to matrix interference

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0158	0.0455	1	06/01/2024 15:42	WG2296622
PCB 1221	U		0.0158	0.0455	1	06/01/2024 15:42	WG2296622
PCB 1232	U		0.0158	0.0455	1	06/01/2024 15:42	WG2296622
PCB 1242	U		0.0158	0.0455	1	06/01/2024 15:42	WG2296622
PCB 1248	U		0.00988	0.0228	1	06/01/2024 15:42	WG2296622
PCB 1254	U		0.00988	0.0228	1	06/01/2024 15:42	WG2296622
PCB 1260	U		0.00988	0.0228	1	06/01/2024 15:42	WG2296622
(S) Decachlorobiphenyl	*48.0*			*10.0-135*		*06/01/2024 15:42*	WG2296622
(S) Tetrachloro-m-xylene	*47.8*			*10.0-139*		*06/01/2024 15:42*	WG2296622

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00722	0.0446	1	06/02/2024 13:33	WG2296790
Acenaphthylene	U		0.00628	0.0446	1	06/02/2024 13:33	WG2296790
Anthracene	U		0.00794	0.0446	1	06/02/2024 13:33	WG2296790
Benzidine	U		0.0838	2.24	1	06/02/2024 13:33	WG2296790
Benzo(a)anthracene	U		0.00786	0.0446	1	06/02/2024 13:33	WG2296790
Benzo(b)fluoranthene	U		0.00832	0.0446	1	06/02/2024 13:33	WG2296790
Benzo(k)fluoranthene	U		0.00793	0.0446	1	06/02/2024 13:33	WG2296790
Benzo(g,h,i)perylene	U		0.00815	0.0446	1	06/02/2024 13:33	WG2296790
Benzo(a)pyrene	U		0.00829	0.0446	1	06/02/2024 13:33	WG2296790
Bis(2-chlorethoxy)methane	U		0.0134	0.446	1	06/02/2024 13:33	WG2296790
Bis(2-chloroethyl)ether	U		0.0147	0.446	1	06/02/2024 13:33	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0193	0.446	1	06/02/2024 13:33	WG2296790
4-Bromophenyl-phenylether	U		0.0157	0.446	1	06/02/2024 13:33	WG2296790
2-Chloronaphthalene	U		0.00783	0.0446	1	06/02/2024 13:33	WG2296790
4-Chlorophenyl-phenylether	U		0.0155	0.446	1	06/02/2024 13:33	WG2296790
Chrysene	U		0.00886	0.0446	1	06/02/2024 13:33	WG2296790
Dibenz(a,h)anthracene	U		0.0124	0.0446	1	06/02/2024 13:33	WG2296790
1,2-Dichlorobenzene	U		0.0132	0.446	1	06/02/2024 13:33	WG2296790
1,3-Dichlorobenzene	U		0.0135	0.446	1	06/02/2024 13:33	WG2296790
1,4-Dichlorobenzene	U		0.0133	0.446	1	06/02/2024 13:33	WG2296790
3,3-Dichlorobenzidine	U		0.0165	0.446	1	06/02/2024 13:33	WG2296790
2,4-Dinitrotoluene	U		0.0128	0.446	1	06/02/2024 13:33	WG2296790
2,6-Dinitrotoluene	U		0.0146	0.446	1	06/02/2024 13:33	WG2296790
Fluoranthene	0.0142	J	0.00805	0.0446	1	06/02/2024 13:33	WG2296790
Fluorene	U		0.00726	0.0446	1	06/02/2024 13:33	WG2296790
Hexachlorobenzene	U		0.0158	0.446	1	06/02/2024 13:33	WG2296790
Hexachloro-1,3-butadiene	U		0.0150	0.446	1	06/02/2024 13:33	WG2296790
Hexachlorocyclopentadiene	U		0.0234	0.446	1	06/02/2024 13:33	WG2296790
Hexachloroethane	U		0.0175	0.446	1	06/02/2024 13:33	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0126	0.0446	1	06/02/2024 13:33	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Isophorone	U		0.0137	0.446	1	06/02/2024 13:33	WG2296790
Naphthalene	0.0186	J	0.0112	0.0446	1	06/02/2024 13:33	WG2296790
Nitrobenzene	U		0.0155	0.446	1	06/02/2024 13:33	WG2296790
n-Nitrosodimethylamine	U		0.0661	0.446	1	06/02/2024 13:33	WG2296790
n-Nitrosodiphenylamine	U		0.0337	0.446	1	06/02/2024 13:33	WG2296790
n-Nitrosodi-n-propylamine	U		0.0149	0.446	1	06/02/2024 13:33	WG2296790
Phenanthrene	0.0204	J	0.00885	0.0446	1	06/02/2024 13:33	WG2296790
Benzylbutyl phthalate	U		0.0139	0.446	1	06/02/2024 13:33	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0565	0.446	1	06/02/2024 13:33	WG2296790
Di-n-butyl phthalate	U		0.0153	0.446	1	06/02/2024 13:33	WG2296790
Diethyl phthalate	U		0.0147	0.446	1	06/02/2024 13:33	WG2296790
Dimethyl phthalate	U		0.0945	0.446	1	06/02/2024 13:33	WG2296790
Di-n-octyl phthalate	U		0.0301	0.446	1	06/02/2024 13:33	WG2296790
Pyrene	0.0133	J	0.00868	0.0446	1	06/02/2024 13:33	WG2296790
1,2,4-Trichlorobenzene	U		0.0139	0.446	1	06/02/2024 13:33	WG2296790
4-Chloro-3-methylphenol	U		0.0145	0.446	1	06/02/2024 13:33	WG2296790
2-Chlorophenol	U		0.0147	0.446	1	06/02/2024 13:33	WG2296790
2,4-Dichlorophenol	U		0.0130	0.446	1	06/02/2024 13:33	WG2296790
2,4-Dimethylphenol	0.0126	J	0.0116	0.446	1	06/02/2024 13:33	WG2296790
4,6-Dinitro-2-methylphenol	U		0.101	0.446	1	06/02/2024 13:33	WG2296790
2,4-Dinitrophenol	U		0.104	0.446	1	06/02/2024 13:33	WG2296790
2-Nitrophenol	U		0.0159	0.446	1	06/02/2024 13:33	WG2296790
4-Nitrophenol	U		0.0139	0.446	1	06/02/2024 13:33	WG2296790
Pentachlorophenol	U		0.0120	0.446	1	06/02/2024 13:33	WG2296790
Phenol	U		0.0179	0.446	1	06/02/2024 13:33	WG2296790
2,4,6-Trichlorophenol	U		0.0143	0.446	1	06/02/2024 13:33	WG2296790
(S) 2-Fluorophenol	*34.1*			*12.0-120*		*06/02/2024 13:33*	WG2296790
(S) Phenol-d5	*31.0*			*10.0-120*		*06/02/2024 13:33*	WG2296790
(S) Nitrobenzene-d5	*24.8*			*10.0-122*		*06/02/2024 13:33*	WG2296790
(S) 2-Fluorobiphenyl	*31.7*			*15.0-120*		*06/02/2024 13:33*	WG2296790
(S) 2,4,6-Tribromophenol	*36.1*			*10.0-127*		*06/02/2024 13:33*	WG2296790
(S) p-Terphenyl-d14	*35.3*			*10.0-120*		*06/02/2024 13:33*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	05/27/2024 10:05	WG2293529

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0246	0.0546	1	05/26/2024 19:50	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	U		0.742	2.73	1	06/04/2024 23:46	WG2298458
Arsenic	U		0.707	2.73	1	06/04/2024 23:46	WG2298458
Barium	68.4		0.116	0.682	1	06/04/2024 23:46	WG2298458
Beryllium	0.252	J	0.0430	0.273	1	06/04/2024 23:46	WG2298458
Cadmium	U		0.0643	0.682	1	06/04/2024 23:46	WG2298458
Chromium	10.5		0.181	1.36	1	06/04/2024 23:46	WG2298458
Cobalt	0.624	J	0.111	1.36	1	06/04/2024 23:46	WG2298458
Copper	40.1		0.546	2.73	1	06/04/2024 23:46	WG2298458
Lead	16.2		0.284	0.682	1	06/04/2024 23:46	WG2298458
Molybdenum	2.13		0.149	0.682	1	06/04/2024 23:46	WG2298458
Nickel	4.52		0.180	2.73	1	06/04/2024 23:46	WG2298458
Selenium	U		1.04	2.73	1	06/04/2024 23:46	WG2298458
Silver	6.17		0.173	1.36	1	06/05/2024 13:23	WG2298458
Thallium	U		0.537	2.73	1	06/04/2024 23:46	WG2298458
Vanadium	3.41		0.690	2.73	1	06/04/2024 23:46	WG2298458
Zinc	15.9		1.13	6.82	1	06/04/2024 23:46	WG2298458

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	41.6		1.63	4.91	29.3	06/03/2024 03:01	WG2297149
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/03/2024 03:01*	WG2297149

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.300	0.411	4.96	06/02/2024 17:31	WG2297114
Acrylonitrile	U		0.0297	0.103	4.96	06/02/2024 17:31	WG2297114
Benzene	0.0602		0.00385	0.00823	4.96	06/02/2024 17:31	WG2297114
Bromobenzene	U		0.00740	0.103	4.96	06/02/2024 17:31	WG2297114
Bromodichloromethane	U		0.00597	0.0206	4.96	06/02/2024 17:31	WG2297114
Bromoform	U		0.00962	0.206	4.96	06/02/2024 17:31	WG2297114
Bromomethane	U		0.0162	0.103	4.96	06/02/2024 17:31	WG2297114
n-Butylbenzene	U		0.0431	0.103	4.96	06/02/2024 17:31	WG2297114
sec-Butylbenzene	0.0498	J	0.0237	0.103	4.96	06/02/2024 17:31	WG2297114
tert-Butylbenzene	U		0.0160	0.0411	4.96	06/02/2024 17:31	WG2297114
Carbon tetrachloride	U		0.00738	0.0411	4.96	06/02/2024 17:31	WG2297114
Chlorobenzene	0.00905	J	0.00172	0.0206	4.96	06/02/2024 17:31	WG2297114
Chlorodibromomethane	U		0.00504	0.0206	4.96	06/02/2024 17:31	WG2297114
Chloroethane	U		0.0140	0.0411	4.96	06/02/2024 17:31	WG2297114
Chloroform	U		0.00847	0.0206	4.96	06/02/2024 17:31	WG2297114
Chloromethane	U		0.0358	0.103	4.96	06/02/2024 17:31	WG2297114
2-Chlorotoluene	U		0.00711	0.0206	4.96	06/02/2024 17:31	WG2297114
4-Chlorotoluene	U		0.00370	0.0411	4.96	06/02/2024 17:31	WG2297114

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0320	0.206	4.96	06/02/2024 17:31	WG2297114
1,2-Dibromoethane	U		0.00532	0.0206	4.96	06/02/2024 17:31	WG2297114
Dibromomethane	U		0.00617	0.0411	4.96	06/02/2024 17:31	WG2297114
1,2-Dichlorobenzene	U		0.00350	0.0411	4.96	06/02/2024 17:31	WG2297114
1,3-Dichlorobenzene	U		0.00494	0.0411	4.96	06/02/2024 17:31	WG2297114
1,4-Dichlorobenzene	U		0.00575	0.0411	4.96	06/02/2024 17:31	WG2297114
Dichlorodifluoromethane	U		0.0133	0.0411	4.96	06/02/2024 17:31	WG2297114
1,1-Dichloroethane	0.00905	J	0.00405	0.0206	4.96	06/02/2024 17:31	WG2297114
1,2-Dichloroethane	U		0.00534	0.0206	4.96	06/02/2024 17:31	WG2297114
1,1-Dichloroethene	U		0.00499	0.0206	4.96	06/02/2024 17:31	WG2297114
cis-1,2-Dichloroethene	0.209		0.00604	0.0206	4.96	06/02/2024 17:31	WG2297114
trans-1,2-Dichloroethene	0.0136	J	0.00856	0.0411	4.96	06/02/2024 17:31	WG2297114
1,2-Dichloropropane	U		0.0117	0.0411	4.96	06/02/2024 17:31	WG2297114
1,1-Dichloropropene	U		0.00665	0.0206	4.96	06/02/2024 17:31	WG2297114
1,3-Dichloropropane	U		0.00411	0.0411	4.96	06/02/2024 17:31	WG2297114
cis-1,3-Dichloropropene	U		0.00622	0.0206	4.96	06/02/2024 17:31	WG2297114
trans-1,3-Dichloropropene	U		0.00937	0.0411	4.96	06/02/2024 17:31	WG2297114
2,2-Dichloropropane	U	J3	0.0113	0.0206	4.96	06/02/2024 17:31	WG2297114
Di-isopropyl ether	U		0.00337	0.00823	4.96	06/02/2024 17:31	WG2297114
Ethylbenzene	0.0619		0.00607	0.0206	4.96	06/02/2024 17:31	WG2297114
Hexachloro-1,3-butadiene	U		0.0494	0.206	4.96	06/02/2024 17:31	WG2297114
Isopropylbenzene	0.0834		0.00350	0.0206	4.96	06/02/2024 17:31	WG2297114
p-Isopropyltoluene	0.0401	J	0.0209	0.0411	4.96	06/02/2024 17:31	WG2297114
2-Butanone (MEK)	U		0.522	0.823	4.96	06/02/2024 17:31	WG2297114
Methylene Chloride	U		0.0546	0.206	4.96	06/02/2024 17:31	WG2297114
4-Methyl-2-pentanone (MIBK)	U		0.0187	0.206	4.96	06/02/2024 17:31	WG2297114
Methyl tert-butyl ether	U		0.00289	0.00823	4.96	06/02/2024 17:31	WG2297114
Naphthalene	0.138		0.0401	0.103	4.96	06/02/2024 17:31	WG2297114
n-Propylbenzene	0.0564		0.00781	0.0411	4.96	06/02/2024 17:31	WG2297114
Styrene	U		0.00189	0.103	4.96	06/02/2024 17:31	WG2297114
1,1,1,2-Tetrachloroethane	U		0.00779	0.0206	4.96	06/02/2024 17:31	WG2297114
1,1,2,2-Tetrachloroethane	U		0.00572	0.0206	4.96	06/02/2024 17:31	WG2297114
1,1,2-Trichlorotrifluoroethane	U		0.00620	0.0206	4.96	06/02/2024 17:31	WG2297114
Tetrachloroethene	0.0680		0.00736	0.0206	4.96	06/02/2024 17:31	WG2297114
Toluene	0.131		0.0107	0.0411	4.96	06/02/2024 17:31	WG2297114
1,2,3-Trichlorobenzene	U		0.0604	0.103	4.96	06/02/2024 17:31	WG2297114
1,2,4-Trichlorobenzene	U		0.0362	0.103	4.96	06/02/2024 17:31	WG2297114
1,1,1-Trichloroethane	U		0.00760	0.0206	4.96	06/02/2024 17:31	WG2297114
1,1,2-Trichloroethane	U		0.00491	0.0206	4.96	06/02/2024 17:31	WG2297114
Trichloroethene	0.177		0.00481	0.00823	4.96	06/02/2024 17:31	WG2297114
Trichlorofluoromethane	U		0.00680	0.0206	4.96	06/02/2024 17:31	WG2297114
1,2,3-Trichloropropane	U		0.0133	0.103	4.96	06/02/2024 17:31	WG2297114
1,2,4-Trimethylbenzene	0.0886		0.0130	0.0411	4.96	06/02/2024 17:31	WG2297114
1,2,3-Trimethylbenzene	0.0942		0.0130	0.0411	4.96	06/02/2024 17:31	WG2297114
1,3,5-Trimethylbenzene	0.0574		0.0165	0.0411	4.96	06/02/2024 17:31	WG2297114
Vinyl chloride	0.107		0.00954	0.0206	4.96	06/02/2024 17:31	WG2297114
Xylenes, Total	0.362		0.00723	0.0534	4.96	06/02/2024 17:31	WG2297114
(S) Toluene-d8	*99.5*			*75.0-131*		*06/02/2024 17:31*	WG2297114
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/02/2024 17:31*	WG2297114
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*06/02/2024 17:31*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1660		10.0	54.6	10	06/03/2024 19:01	WG2296785
C22-C32 Hydrocarbons	5520		181	546	100	06/04/2024 06:24	WG2296785
C32-C40 Hydrocarbons	1320		181	546	100	06/04/2024 06:24	WG2296785
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/04/2024 06:24*	WG2296785
(S) o-Terphenyl	*146*			*18.0-148*		*06/03/2024 19:01*	WG2296785

Sample Narrative:

L1740224-03 WG2296785: Dilution due to matrix impact during extract concentration procedure.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00735	0.0454	1	06/02/2024 12:19	WG2296790
Acenaphthylene	U		0.00640	0.0454	1	06/02/2024 12:19	WG2296790
Anthracene	U		0.00809	0.0454	1	06/02/2024 12:19	WG2296790
Benzidine	U		0.0854	2.28	1	06/02/2024 12:19	WG2296790
Benzo(a)anthracene	U		0.00801	0.0454	1	06/02/2024 12:19	WG2296790
Benzo(b)fluoranthene	U		0.00847	0.0454	1	06/02/2024 12:19	WG2296790
Benzo(k)fluoranthene	U		0.00808	0.0454	1	06/02/2024 12:19	WG2296790
Benzo(g,h,i)perylene	U		0.00831	0.0454	1	06/02/2024 12:19	WG2296790
Benzo(a)pyrene	U		0.00844	0.0454	1	06/02/2024 12:19	WG2296790
Bis(2-chlorethoxy)methane	U		0.0136	0.454	1	06/02/2024 12:19	WG2296790
Bis(2-chloroethyl)ether	U		0.0150	0.454	1	06/02/2024 12:19	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0196	0.454	1	06/02/2024 12:19	WG2296790
4-Bromophenyl-phenylether	U		0.0160	0.454	1	06/02/2024 12:19	WG2296790
2-Chloronaphthalene	U		0.00798	0.0454	1	06/02/2024 12:19	WG2296790
4-Chlorophenyl-phenylether	U		0.0158	0.454	1	06/02/2024 12:19	WG2296790
Chrysene	U		0.00903	0.0454	1	06/02/2024 12:19	WG2296790
Dibenz(a,h)anthracene	U		0.0126	0.0454	1	06/02/2024 12:19	WG2296790
1,2-Dichlorobenzene	U		0.0135	0.454	1	06/02/2024 12:19	WG2296790
1,3-Dichlorobenzene	U		0.0138	0.454	1	06/02/2024 12:19	WG2296790
1,4-Dichlorobenzene	U		0.0135	0.454	1	06/02/2024 12:19	WG2296790
3,3-Dichlorobenzidine	U		0.0168	0.454	1	06/02/2024 12:19	WG2296790
2,4-Dinitrotoluene	U		0.0130	0.454	1	06/02/2024 12:19	WG2296790
2,6-Dinitrotoluene	U		0.0149	0.454	1	06/02/2024 12:19	WG2296790
Fluoranthene	0.0126	J	0.00820	0.0454	1	06/02/2024 12:19	WG2296790
Fluorene	U		0.00739	0.0454	1	06/02/2024 12:19	WG2296790
Hexachlorobenzene	U		0.0161	0.454	1	06/02/2024 12:19	WG2296790
Hexachloro-1,3-butadiene	U		0.0153	0.454	1	06/02/2024 12:19	WG2296790
Hexachlorocyclopentadiene	U		0.0239	0.454	1	06/02/2024 12:19	WG2296790
Hexachloroethane	U		0.0179	0.454	1	06/02/2024 12:19	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0128	0.0454	1	06/02/2024 12:19	WG2296790
Isophorone	U		0.0139	0.454	1	06/02/2024 12:19	WG2296790
Naphthalene	0.0153	J	0.0114	0.0454	1	06/02/2024 12:19	WG2296790
Nitrobenzene	U		0.0158	0.454	1	06/02/2024 12:19	WG2296790
n-Nitrosodimethylamine	U		0.0674	0.454	1	06/02/2024 12:19	WG2296790
n-Nitrosodiphenylamine	U		0.0344	0.454	1	06/02/2024 12:19	WG2296790
n-Nitrosodi-n-propylamine	U		0.0151	0.454	1	06/02/2024 12:19	WG2296790
Phenanthrene	0.0179	J	0.00902	0.0454	1	06/02/2024 12:19	WG2296790
Benzylbutyl phthalate	U		0.0142	0.454	1	06/02/2024 12:19	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0576	0.454	1	06/02/2024 12:19	WG2296790
Di-n-butyl phthalate	U		0.0156	0.454	1	06/02/2024 12:19	WG2296790
Diethyl phthalate	U		0.0150	0.454	1	06/02/2024 12:19	WG2296790
Dimethyl phthalate	U		0.0963	0.454	1	06/02/2024 12:19	WG2296790
Di-n-octyl phthalate	U		0.0307	0.454	1	06/02/2024 12:19	WG2296790
Pyrene	0.0127	J	0.00884	0.0454	1	06/02/2024 12:19	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	U		0.0142	0.454	1	06/02/2024 12:19	WG2296790
4-Chloro-3-methylphenol	U		0.0147	0.454	1	06/02/2024 12:19	WG2296790
2-Chlorophenol	U		0.0150	0.454	1	06/02/2024 12:19	WG2296790
2,4-Dichlorophenol	U		0.0132	0.454	1	06/02/2024 12:19	WG2296790
2,4-Dimethylphenol	U		0.0119	0.454	1	06/02/2024 12:19	WG2296790
4,6-Dinitro-2-methylphenol	U		0.103	0.454	1	06/02/2024 12:19	WG2296790
2,4-Dinitrophenol	U		0.106	0.454	1	06/02/2024 12:19	WG2296790
2-Nitrophenol	U		0.0162	0.454	1	06/02/2024 12:19	WG2296790
4-Nitrophenol	U		0.0142	0.454	1	06/02/2024 12:19	WG2296790
Pentachlorophenol	U		0.0122	0.454	1	06/02/2024 12:19	WG2296790
Phenol	U		0.0183	0.454	1	06/02/2024 12:19	WG2296790
2,4,6-Trichlorophenol	U		0.0146	0.454	1	06/02/2024 12:19	WG2296790
(S) 2-Fluorophenol	*46.8*			*12.0-120*		*06/02/2024 12:19*	WG2296790
(S) Phenol-d5	*45.5*			*10.0-120*		*06/02/2024 12:19*	WG2296790
(S) Nitrobenzene-d5	*35.8*			*10.0-122*		*06/02/2024 12:19*	WG2296790
(S) 2-Fluorobiphenyl	*51.8*			*15.0-120*		*06/02/2024 12:19*	WG2296790
(S) 2,4,6-Tribromophenol	*59.8*			*10.0-127*		*06/02/2024 12:19*	WG2296790
(S) p-Terphenyl-d14	*63.0*			*10.0-120*		*06/02/2024 12:19*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	26.5		1.48	4.45	26.8	06/03/2024 03:23	WG2297149
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*06/03/2024 03:23*	WG2297149

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0630	0.0863	1	06/02/2024 16:12	WG2297114
Acrylonitrile	U		0.00623	0.0216	1	06/02/2024 16:12	WG2297114
Benzene	0.102		0.000806	0.00173	1	06/02/2024 16:12	WG2297114
Bromobenzene	U		0.00155	0.0216	1	06/02/2024 16:12	WG2297114
Bromodichloromethane	U		0.00125	0.00432	1	06/02/2024 16:12	WG2297114
Bromoform	U		0.00202	0.0432	1	06/02/2024 16:12	WG2297114
Bromomethane	U		0.00340	0.0216	1	06/02/2024 16:12	WG2297114
n-Butylbenzene	U		0.00906	0.0216	1	06/02/2024 16:12	WG2297114
sec-Butylbenzene	U		0.00497	0.0216	1	06/02/2024 16:12	WG2297114
tert-Butylbenzene	U		0.00337	0.00863	1	06/02/2024 16:12	WG2297114
Carbon tetrachloride	U		0.00155	0.00863	1	06/02/2024 16:12	WG2297114
Chlorobenzene	U		0.000363	0.00432	1	06/02/2024 16:12	WG2297114
Chlorodibromomethane	U		0.00106	0.00432	1	06/02/2024 16:12	WG2297114
Chloroethane	U		0.00293	0.00863	1	06/02/2024 16:12	WG2297114
Chloroform	U		0.00178	0.00432	1	06/02/2024 16:12	WG2297114
Chloromethane	U		0.00751	0.0216	1	06/02/2024 16:12	WG2297114
2-Chlorotoluene	U		0.00149	0.00432	1	06/02/2024 16:12	WG2297114
4-Chlorotoluene	U		0.000777	0.00863	1	06/02/2024 16:12	WG2297114
1,2-Dibromo-3-Chloropropane	U		0.00673	0.0432	1	06/02/2024 16:12	WG2297114
1,2-Dibromoethane	U		0.00112	0.00432	1	06/02/2024 16:12	WG2297114
Dibromomethane	U		0.00129	0.00863	1	06/02/2024 16:12	WG2297114
1,2-Dichlorobenzene	U		0.000734	0.00863	1	06/02/2024 16:12	WG2297114
1,3-Dichlorobenzene	U		0.00104	0.00863	1	06/02/2024 16:12	WG2297114
1,4-Dichlorobenzene	U		0.00121	0.00863	1	06/02/2024 16:12	WG2297114
Dichlorodifluoromethane	U		0.00278	0.00863	1	06/02/2024 16:12	WG2297114
1,1-Dichloroethane	U		0.000848	0.00432	1	06/02/2024 16:12	WG2297114
1,2-Dichloroethane	U		0.00112	0.00432	1	06/02/2024 16:12	WG2297114
1,1-Dichloroethene	0.00125	J	0.00105	0.00432	1	06/02/2024 16:12	WG2297114
cis-1,2-Dichloroethene	0.0939		0.00127	0.00432	1	06/02/2024 16:12	WG2297114
trans-1,2-Dichloroethene	U		0.00180	0.00863	1	06/02/2024 16:12	WG2297114
1,2-Dichloropropane	U		0.00245	0.00863	1	06/02/2024 16:12	WG2297114
1,1-Dichloropropene	U		0.00140	0.00432	1	06/02/2024 16:12	WG2297114
1,3-Dichloropropane	U		0.000865	0.00863	1	06/02/2024 16:12	WG2297114
cis-1,3-Dichloropropene	U		0.00131	0.00432	1	06/02/2024 16:12	WG2297114
trans-1,3-Dichloropropene	U		0.00197	0.00863	1	06/02/2024 16:12	WG2297114
2,2-Dichloropropane	U	J3	0.00238	0.00432	1	06/02/2024 16:12	WG2297114
Di-isopropyl ether	U		0.000708	0.00173	1	06/02/2024 16:12	WG2297114
Ethylbenzene	0.0948		0.00127	0.00432	1	06/02/2024 16:12	WG2297114
Hexachloro-1,3-butadiene	U		0.0104	0.0432	1	06/02/2024 16:12	WG2297114
Isopropylbenzene	0.0304		0.000734	0.00432	1	06/02/2024 16:12	WG2297114
p-Isopropyltoluene	0.0156		0.00440	0.00863	1	06/02/2024 16:12	WG2297114
2-Butanone (MEK)	U		0.110	0.173	1	06/02/2024 16:12	WG2297114
Methylene Chloride	0.0172	J	0.0115	0.0432	1	06/02/2024 16:12	WG2297114
4-Methyl-2-pentanone (MIBK)	U		0.00394	0.0432	1	06/02/2024 16:12	WG2297114

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000604	0.00173	1	06/02/2024 16:12	WG2297114
Naphthalene	0.0546		0.00842	0.0216	1	06/02/2024 16:12	WG2297114
n-Propylbenzene	0.0445		0.00164	0.00863	1	06/02/2024 16:12	WG2297114
Styrene	U		0.000395	0.0216	1	06/02/2024 16:12	WG2297114
1,1,1,2-Tetrachloroethane	U		0.00164	0.00432	1	06/02/2024 16:12	WG2297114
1,1,2,2-Tetrachloroethane	U		0.00120	0.00432	1	06/02/2024 16:12	WG2297114
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00432	1	06/02/2024 16:12	WG2297114
Tetrachloroethene	U		0.00155	0.00432	1	06/02/2024 16:12	WG2297114
Toluene	0.185		0.00224	0.00863	1	06/02/2024 16:12	WG2297114
1,2,3-Trichlorobenzene	U		0.0127	0.0216	1	06/02/2024 16:12	WG2297114
1,2,4-Trichlorobenzene	U		0.00760	0.0216	1	06/02/2024 16:12	WG2297114
1,1,1-Trichloroethane	U		0.00159	0.00432	1	06/02/2024 16:12	WG2297114
1,1,2-Trichloroethane	U		0.00103	0.00432	1	06/02/2024 16:12	WG2297114
Trichloroethene	0.00615		0.00101	0.00173	1	06/02/2024 16:12	WG2297114
Trichlorofluoromethane	U		0.00143	0.00432	1	06/02/2024 16:12	WG2297114
1,2,3-Trichloropropane	U		0.00280	0.0216	1	06/02/2024 16:12	WG2297114
1,2,4-Trimethylbenzene	0.192		0.00273	0.00863	1	06/02/2024 16:12	WG2297114
1,2,3-Trimethylbenzene	0.0894		0.00273	0.00863	1	06/02/2024 16:12	WG2297114
1,3,5-Trimethylbenzene	0.0929		0.00345	0.00863	1	06/02/2024 16:12	WG2297114
Vinyl chloride	0.0338		0.00200	0.00432	1	06/02/2024 16:12	WG2297114
Xylenes, Total	0.190		0.00152	0.0112	1	06/02/2024 16:12	WG2297114
(S) Toluene-d8	*99.2*			*75.0-131*		*06/02/2024 16:12*	WG2297114
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*06/02/2024 16:12*	WG2297114
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*06/02/2024 16:12*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	886		4.92	26.8	5	06/03/2024 18:47	WG2296785
C22-C32 Hydrocarbons	2970		89.1	268	50	06/04/2024 06:52	WG2296785
C32-C40 Hydrocarbons	793		89.1	268	50	06/04/2024 06:52	WG2296785
(S) o-Terphenyl	*131*			*18.0-148*		*06/03/2024 18:47*	WG2296785
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/04/2024 06:52*	WG2296785

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	05/27/2024 09:58	WG2293530

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0216	0.0479	1	05/26/2024 19:52	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	15.0		0.652	2.40	1	06/04/2024 23:47	WG2298458
Arsenic	6.56		0.621	2.40	1	06/04/2024 23:47	WG2298458
Barium	136		0.102	0.599	1	06/04/2024 23:47	WG2298458
Beryllium	0.863		0.0378	0.240	1	06/04/2024 23:47	WG2298458
Cadmium	7.79		0.0564	0.599	1	06/04/2024 23:47	WG2298458
Chromium	54.9		0.159	1.20	1	06/04/2024 23:47	WG2298458
Cobalt	5.13		0.0972	1.20	1	06/04/2024 23:47	WG2298458
Copper	69.6		0.479	2.40	1	06/04/2024 23:47	WG2298458
Lead	1720		1.25	3.00	5	06/05/2024 13:26	WG2298458
Molybdenum	4.42		0.131	0.599	1	06/04/2024 23:47	WG2298458
Nickel	30.8		0.158	2.40	1	06/04/2024 23:47	WG2298458
Selenium	U		0.916	2.40	1	06/04/2024 23:47	WG2298458
Silver	13.9		0.152	1.20	1	06/05/2024 13:30	WG2298458
Thallium	1.93	J	0.472	2.40	1	06/04/2024 23:47	WG2298458
Vanadium	21.3		0.606	2.40	1	06/04/2024 23:47	WG2298458
Zinc	1160		0.997	5.99	1	06/04/2024 23:47	WG2298458

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0141	0.0407	1	06/01/2024 15:50	WG2296622
PCB 1221	U		0.0141	0.0407	1	06/01/2024 15:50	WG2296622
PCB 1232	U		0.0141	0.0407	1	06/01/2024 15:50	WG2296622
PCB 1242	U		0.0141	0.0407	1	06/01/2024 15:50	WG2296622
PCB 1248	U		0.00884	0.0204	1	06/01/2024 15:50	WG2296622
PCB 1254	U		0.00884	0.0204	1	06/01/2024 15:50	WG2296622
PCB 1260	U		0.00884	0.0204	1	06/01/2024 15:50	WG2296622
(S) Decachlorobiphenyl	*47.3*			*10.0-135*		*06/01/2024 15:50*	WG2296622
(S) Tetrachloro-m-xylene	*47.5*			*10.0-139*		*06/01/2024 15:50*	WG2296622

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00646	0.0399	1	06/02/2024 11:30	WG2296790
Acenaphthylene	U		0.00562	0.0399	1	06/02/2024 11:30	WG2296790
Anthracene	U		0.00711	0.0399	1	06/02/2024 11:30	WG2296790
Benzidine	U		0.0750	2.00	1	06/02/2024 11:30	WG2296790
Benzo(a)anthracene	U		0.00704	0.0399	1	06/02/2024 11:30	WG2296790
Benzo(b)fluoranthene	U		0.00744	0.0399	1	06/02/2024 11:30	WG2296790
Benzo(k)fluoranthene	U		0.00710	0.0399	1	06/02/2024 11:30	WG2296790
Benzo(g,h,i)perylene	U		0.00730	0.0399	1	06/02/2024 11:30	WG2296790
Benzo(a)pyrene	U		0.00742	0.0399	1	06/02/2024 11:30	WG2296790
Bis(2-chlorethoxy)methane	U		0.0120	0.399	1	06/02/2024 11:30	WG2296790
Bis(2-chloroethyl)ether	U		0.0132	0.399	1	06/02/2024 11:30	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0173	0.399	1	06/02/2024 11:30	WG2296790
4-Bromophenyl-phenylether	U		0.0140	0.399	1	06/02/2024 11:30	WG2296790
2-Chloronaphthalene	U		0.00701	0.0399	1	06/02/2024 11:30	WG2296790
4-Chlorophenyl-phenylether	U		0.0139	0.399	1	06/02/2024 11:30	WG2296790
Chrysene	U		0.00793	0.0399	1	06/02/2024 11:30	WG2296790
Dibenz(a,h)anthracene	U		0.0111	0.0399	1	06/02/2024 11:30	WG2296790
1,2-Dichlorobenzene	U		0.0118	0.399	1	06/02/2024 11:30	WG2296790
1,3-Dichlorobenzene	U		0.0121	0.399	1	06/02/2024 11:30	WG2296790
1,4-Dichlorobenzene	U		0.0119	0.399	1	06/02/2024 11:30	WG2296790
3,3-Dichlorobenzidine	U		0.0147	0.399	1	06/02/2024 11:30	WG2296790
2,4-Dinitrotoluene	U		0.0114	0.399	1	06/02/2024 11:30	WG2296790
2,6-Dinitrotoluene	U		0.0131	0.399	1	06/02/2024 11:30	WG2296790
Fluoranthene	0.00731	J	0.00720	0.0399	1	06/02/2024 11:30	WG2296790
Fluorene	U		0.00650	0.0399	1	06/02/2024 11:30	WG2296790
Hexachlorobenzene	U		0.0141	0.399	1	06/02/2024 11:30	WG2296790
Hexachloro-1,3-butadiene	U		0.0134	0.399	1	06/02/2024 11:30	WG2296790
Hexachlorocyclopentadiene	U		0.0210	0.399	1	06/02/2024 11:30	WG2296790
Hexachloroethane	U		0.0157	0.399	1	06/02/2024 11:30	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0399	1	06/02/2024 11:30	WG2296790
Isophorone	U		0.0122	0.399	1	06/02/2024 11:30	WG2296790
Naphthalene	0.0138	J	0.0100	0.0399	1	06/02/2024 11:30	WG2296790
Nitrobenzene	U		0.0139	0.399	1	06/02/2024 11:30	WG2296790
n-Nitrosodimethylamine	U		0.0592	0.399	1	06/02/2024 11:30	WG2296790
n-Nitrosodiphenylamine	U		0.0302	0.399	1	06/02/2024 11:30	WG2296790
n-Nitrosodi-n-propylamine	U		0.0133	0.399	1	06/02/2024 11:30	WG2296790
Phenanthrene	U		0.00792	0.0399	1	06/02/2024 11:30	WG2296790
Benzylbutyl phthalate	U		0.0125	0.399	1	06/02/2024 11:30	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0506	0.399	1	06/02/2024 11:30	WG2296790
Di-n-butyl phthalate	U		0.0137	0.399	1	06/02/2024 11:30	WG2296790
Diethyl phthalate	U		0.0132	0.399	1	06/02/2024 11:30	WG2296790
Dimethyl phthalate	U		0.0846	0.399	1	06/02/2024 11:30	WG2296790
Di-n-octyl phthalate	U		0.0270	0.399	1	06/02/2024 11:30	WG2296790
Pyrene	U		0.00777	0.0399	1	06/02/2024 11:30	WG2296790
1,2,4-Trichlorobenzene	U		0.0125	0.399	1	06/02/2024 11:30	WG2296790
4-Chloro-3-methylphenol	U		0.0129	0.399	1	06/02/2024 11:30	WG2296790
2-Chlorophenol	U		0.0132	0.399	1	06/02/2024 11:30	WG2296790
2,4-Dichlorophenol	U		0.0116	0.399	1	06/02/2024 11:30	WG2296790
2,4-Dimethylphenol	U		0.0104	0.399	1	06/02/2024 11:30	WG2296790
4,6-Dinitro-2-methylphenol	U		0.0905	0.399	1	06/02/2024 11:30	WG2296790
2,4-Dinitrophenol	U		0.0934	0.399	1	06/02/2024 11:30	WG2296790
2-Nitrophenol	U		0.0143	0.399	1	06/02/2024 11:30	WG2296790
4-Nitrophenol	U		0.0125	0.399	1	06/02/2024 11:30	WG2296790
Pentachlorophenol	U		0.0107	0.399	1	06/02/2024 11:30	WG2296790
Phenol	U		0.0161	0.399	1	06/02/2024 11:30	WG2296790
2,4,6-Trichlorophenol	U		0.0128	0.399	1	06/02/2024 11:30	WG2296790
(S) 2-Fluorophenol	*21.1*			*12.0-120*		*06/02/2024 11:30*	WG2296790
(S) Phenol-d5	*19.2*			*10.0-120*		*06/02/2024 11:30*	WG2296790
(S) Nitrobenzene-d5	*15.7*			*10.0-122*		*06/02/2024 11:30*	WG2296790
(S) 2-Fluorobiphenyl	*18.3*			*15.0-120*		*06/02/2024 11:30*	WG2296790
(S) 2,4,6-Tribromophenol	*16.9*			*10.0-127*		*06/02/2024 11:30*	WG2296790
(S) p-Terphenyl-d14	*19.9*			*10.0-120*		*06/02/2024 11:30*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	05/27/2024 09:58	WG2293530

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.556		0.0234	0.0520	1	05/26/2024 19:55	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	11.8		0.707	2.60	1	06/04/2024 23:49	WG2298458
Arsenic	4.96		0.673	2.60	1	06/04/2024 23:49	WG2298458
Barium	155		0.111	0.650	1	06/04/2024 23:49	WG2298458
Beryllium	0.230	J	0.0409	0.260	1	06/04/2024 23:49	WG2298458
Cadmium	9.77		0.0612	0.650	1	06/04/2024 23:49	WG2298458
Chromium	24.1		0.173	1.30	1	06/04/2024 23:49	WG2298458
Cobalt	5.37		0.105	1.30	1	06/04/2024 23:49	WG2298458
Copper	331		0.520	2.60	1	06/04/2024 23:49	WG2298458
Lead	1760		0.270	0.650	1	06/04/2024 23:49	WG2298458
Molybdenum	1.90		0.142	0.650	1	06/04/2024 23:49	WG2298458
Nickel	30.7		0.172	2.60	1	06/04/2024 23:49	WG2298458
Selenium	U		0.993	2.60	1	06/04/2024 23:49	WG2298458
Silver	2.23		0.165	1.30	1	06/05/2024 13:33	WG2298458
Thallium	1.10	J	0.512	2.60	1	06/04/2024 23:49	WG2298458
Vanadium	10.2		0.658	2.60	1	06/04/2024 23:49	WG2298458
Zinc	962		1.08	6.50	1	06/04/2024 23:49	WG2298458

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0693	0.0949	1.23	05/30/2024 20:28	WG2295815
Acrylonitrile	U		0.00685	0.0238	1.23	05/30/2024 20:28	WG2295815
Benzene	0.00446		0.000885	0.00190	1.23	05/30/2024 20:28	WG2295815
Bromobenzene	U		0.00171	0.0238	1.23	05/30/2024 20:28	WG2295815
Bromodichloromethane	U		0.00138	0.00475	1.23	05/30/2024 20:28	WG2295815
Bromoform	U		0.00222	0.0475	1.23	05/30/2024 20:28	WG2295815
Bromomethane	U		0.00373	0.0238	1.23	05/30/2024 20:28	WG2295815
n-Butylbenzene	U		0.00997	0.0238	1.23	05/30/2024 20:28	WG2295815
sec-Butylbenzene	U		0.00546	0.0238	1.23	05/30/2024 20:28	WG2295815
tert-Butylbenzene	U	J4	0.00370	0.00949	1.23	05/30/2024 20:28	WG2295815
Carbon tetrachloride	U		0.00170	0.00949	1.23	05/30/2024 20:28	WG2295815
Chlorobenzene	U		0.000398	0.00475	1.23	05/30/2024 20:28	WG2295815
Chlorodibromomethane	U		0.00116	0.00475	1.23	05/30/2024 20:28	WG2295815
Chloroethane	U		0.00322	0.00949	1.23	05/30/2024 20:28	WG2295815
Chloroform	U		0.00196	0.00475	1.23	05/30/2024 20:28	WG2295815
Chloromethane	U		0.00825	0.0238	1.23	05/30/2024 20:28	WG2295815
2-Chlorotoluene	U		0.00164	0.00475	1.23	05/30/2024 20:28	WG2295815
4-Chlorotoluene	U		0.000855	0.00949	1.23	05/30/2024 20:28	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00740	0.0475	1.23	05/30/2024 20:28	WG2295815
1,2-Dibromoethane	U		0.00123	0.00475	1.23	05/30/2024 20:28	WG2295815
Dibromomethane	U		0.00142	0.00949	1.23	05/30/2024 20:28	WG2295815
1,2-Dichlorobenzene	U		0.000807	0.00949	1.23	05/30/2024 20:28	WG2295815
1,3-Dichlorobenzene	U		0.00114	0.00949	1.23	05/30/2024 20:28	WG2295815
1,4-Dichlorobenzene	0.00279	J	0.00133	0.00949	1.23	05/30/2024 20:28	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00305	0.00949	1.23	05/30/2024 20:28	WG2295815
1,1-Dichloroethane	U		0.000932	0.00475	1.23	05/30/2024 20:28	WG2295815
1,2-Dichloroethane	U		0.00123	0.00475	1.23	05/30/2024 20:28	WG2295815
1,1-Dichloroethene	U		0.00115	0.00475	1.23	05/30/2024 20:28	WG2295815
cis-1,2-Dichloroethene	U		0.00139	0.00475	1.23	05/30/2024 20:28	WG2295815
trans-1,2-Dichloroethene	U		0.00197	0.00949	1.23	05/30/2024 20:28	WG2295815
1,2-Dichloropropane	U		0.00270	0.00949	1.23	05/30/2024 20:28	WG2295815
1,1-Dichloropropene	U		0.00153	0.00475	1.23	05/30/2024 20:28	WG2295815
1,3-Dichloropropane	U		0.000950	0.00949	1.23	05/30/2024 20:28	WG2295815
cis-1,3-Dichloropropene	U		0.00144	0.00475	1.23	05/30/2024 20:28	WG2295815
trans-1,3-Dichloropropene	U		0.00216	0.00949	1.23	05/30/2024 20:28	WG2295815
2,2-Dichloropropane	U		0.00262	0.00475	1.23	05/30/2024 20:28	WG2295815
Di-isopropyl ether	U		0.000777	0.00190	1.23	05/30/2024 20:28	WG2295815
Ethylbenzene	0.00688		0.00140	0.00475	1.23	05/30/2024 20:28	WG2295815
Hexachloro-1,3-butadiene	U		0.0114	0.0475	1.23	05/30/2024 20:28	WG2295815
Isopropylbenzene	0.00152	J	0.000807	0.00475	1.23	05/30/2024 20:28	WG2295815
p-Isopropyltoluene	0.00489	J	0.00484	0.00949	1.23	05/30/2024 20:28	WG2295815
2-Butanone (MEK)	U	J4	0.120	0.190	1.23	05/30/2024 20:28	WG2295815
Methylene Chloride	U		0.0126	0.0475	1.23	05/30/2024 20:28	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00432	0.0475	1.23	05/30/2024 20:28	WG2295815
Methyl tert-butyl ether	U		0.000665	0.00190	1.23	05/30/2024 20:28	WG2295815
Naphthalene	0.0524		0.00926	0.0238	1.23	05/30/2024 20:28	WG2295815
n-Propylbenzene	0.00555	J	0.00180	0.00949	1.23	05/30/2024 20:28	WG2295815
Styrene	U		0.000435	0.0238	1.23	05/30/2024 20:28	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00180	0.00475	1.23	05/30/2024 20:28	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00132	0.00475	1.23	05/30/2024 20:28	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00143	0.00475	1.23	05/30/2024 20:28	WG2295815
Tetrachloroethene	0.0180		0.00170	0.00475	1.23	05/30/2024 20:28	WG2295815
Toluene	0.0248		0.00247	0.00949	1.23	05/30/2024 20:28	WG2295815
1,2,3-Trichlorobenzene	U		0.0139	0.0238	1.23	05/30/2024 20:28	WG2295815
1,2,4-Trichlorobenzene	U		0.00835	0.0238	1.23	05/30/2024 20:28	WG2295815
1,1,1-Trichloroethane	U		0.00176	0.00475	1.23	05/30/2024 20:28	WG2295815
1,1,2-Trichloroethane	U		0.00113	0.00475	1.23	05/30/2024 20:28	WG2295815
Trichloroethene	0.00204		0.00111	0.00190	1.23	05/30/2024 20:28	WG2295815
Trichlorofluoromethane	U		0.00157	0.00475	1.23	05/30/2024 20:28	WG2295815
1,2,3-Trichloropropane	U		0.00307	0.0238	1.23	05/30/2024 20:28	WG2295815
1,2,4-Trimethylbenzene	0.0295		0.00299	0.00949	1.23	05/30/2024 20:28	WG2295815
1,2,3-Trimethylbenzene	0.0116		0.00299	0.00949	1.23	05/30/2024 20:28	WG2295815
1,3,5-Trimethylbenzene	0.0107		0.00379	0.00949	1.23	05/30/2024 20:28	WG2295815
Vinyl chloride	U		0.00221	0.00475	1.23	05/30/2024 20:28	WG2295815
Xylenes, Total	0.0484		0.00167	0.0123	1.23	05/30/2024 20:28	WG2295815
(S) Toluene-d8	*93.9*			*75.0-131*		*05/30/2024 20:28*	WG2295815
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*05/30/2024 20:28*	WG2295815
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*		*05/30/2024 20:28*	WG2295815

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00893	J	0.00700	0.0433	1	06/02/2024 14:22	WG2296790
Acenaphthylene	0.00751	J	0.00609	0.0433	1	06/02/2024 14:22	WG2296790
Anthracene	0.0407	J	0.00771	0.0433	1	06/02/2024 14:22	WG2296790
Benzidine	U		0.0813	2.17	1	06/02/2024 14:22	WG2296790
Benzo(a)anthracene	0.133		0.00763	0.0433	1	06/02/2024 14:22	WG2296790
Benzo(b)fluoranthene	0.161		0.00807	0.0433	1	06/02/2024 14:22	WG2296790
Benzo(k)fluoranthene	0.0531		0.00769	0.0433	1	06/02/2024 14:22	WG2296790
Benzo(g,h,i)perylene	0.0924		0.00791	0.0433	1	06/02/2024 14:22	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.129		0.00804	0.0433	1	06/02/2024 14:22	WG2296790
Bis(2-chlorethoxy)methane	U		0.0130	0.433	1	06/02/2024 14:22	WG2296790
Bis(2-chloroethyl)ether	U		0.0143	0.433	1	06/02/2024 14:22	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0187	0.433	1	06/02/2024 14:22	WG2296790
4-Bromophenyl-phenylether	U		0.0152	0.433	1	06/02/2024 14:22	WG2296790
2-Chloronaphthalene	U		0.00760	0.0433	1	06/02/2024 14:22	WG2296790
4-Chlorophenyl-phenylether	U		0.0151	0.433	1	06/02/2024 14:22	WG2296790
Chrysene	0.149		0.00860	0.0433	1	06/02/2024 14:22	WG2296790
Dibenz(a,h)anthracene	0.0247	J	0.0120	0.0433	1	06/02/2024 14:22	WG2296790
1,2-Dichlorobenzene	U		0.0128	0.433	1	06/02/2024 14:22	WG2296790
1,3-Dichlorobenzene	U		0.0131	0.433	1	06/02/2024 14:22	WG2296790
1,4-Dichlorobenzene	U		0.0129	0.433	1	06/02/2024 14:22	WG2296790
3,3-Dichlorobenzidine	U		0.0160	0.433	1	06/02/2024 14:22	WG2296790
2,4-Dinitrotoluene	U		0.0124	0.433	1	06/02/2024 14:22	WG2296790
2,6-Dinitrotoluene	U		0.0142	0.433	1	06/02/2024 14:22	WG2296790
Fluoranthene	0.218		0.00781	0.0433	1	06/02/2024 14:22	WG2296790
Fluorene	0.00758	J	0.00704	0.0433	1	06/02/2024 14:22	WG2296790
Hexachlorobenzene	U		0.0153	0.433	1	06/02/2024 14:22	WG2296790
Hexachloro-1,3-butadiene	U		0.0146	0.433	1	06/02/2024 14:22	WG2296790
Hexachlorocyclopentadiene	U		0.0227	0.433	1	06/02/2024 14:22	WG2296790
Hexachloroethane	U		0.0170	0.433	1	06/02/2024 14:22	WG2296790
Indeno(1,2,3-cd)pyrene	0.104		0.0122	0.0433	1	06/02/2024 14:22	WG2296790
Isophorone	U		0.0133	0.433	1	06/02/2024 14:22	WG2296790
Naphthalene	0.0133	J	0.0109	0.0433	1	06/02/2024 14:22	WG2296790
Nitrobenzene	U		0.0151	0.433	1	06/02/2024 14:22	WG2296790
n-Nitrosodimethylamine	U		0.0642	0.433	1	06/02/2024 14:22	WG2296790
n-Nitrosodiphenylamine	U		0.0327	0.433	1	06/02/2024 14:22	WG2296790
n-Nitrosodi-n-propylamine	U		0.0144	0.433	1	06/02/2024 14:22	WG2296790
Phenanthrene	0.121		0.00859	0.0433	1	06/02/2024 14:22	WG2296790
Benzylbutyl phthalate	U		0.0135	0.433	1	06/02/2024 14:22	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0548	0.433	1	06/02/2024 14:22	WG2296790
Di-n-butyl phthalate	0.0291	J	0.0148	0.433	1	06/02/2024 14:22	WG2296790
Diethyl phthalate	U		0.0143	0.433	1	06/02/2024 14:22	WG2296790
Dimethyl phthalate	U		0.0917	0.433	1	06/02/2024 14:22	WG2296790
Di-n-octyl phthalate	U		0.0292	0.433	1	06/02/2024 14:22	WG2296790
Pyrene	0.201		0.00842	0.0433	1	06/02/2024 14:22	WG2296790
1,2,4-Trichlorobenzene	U		0.0135	0.433	1	06/02/2024 14:22	WG2296790
4-Chloro-3-methylphenol	U		0.0140	0.433	1	06/02/2024 14:22	WG2296790
2-Chlorophenol	U		0.0143	0.433	1	06/02/2024 14:22	WG2296790
2,4-Dichlorophenol	U		0.0126	0.433	1	06/02/2024 14:22	WG2296790
2,4-Dimethylphenol	U		0.0113	0.433	1	06/02/2024 14:22	WG2296790
4,6-Dinitro-2-methylphenol	U		0.0981	0.433	1	06/02/2024 14:22	WG2296790
2,4-Dinitrophenol	U		0.101	0.433	1	06/02/2024 14:22	WG2296790
2-Nitrophenol	U		0.0155	0.433	1	06/02/2024 14:22	WG2296790
4-Nitrophenol	U		0.0135	0.433	1	06/02/2024 14:22	WG2296790
Pentachlorophenol	U		0.0116	0.433	1	06/02/2024 14:22	WG2296790
Phenol	U		0.0174	0.433	1	06/02/2024 14:22	WG2296790
2,4,6-Trichlorophenol	U		0.0139	0.433	1	06/02/2024 14:22	WG2296790
(S) 2-Fluorophenol	*40.9*			*12.0-120*		*06/02/2024 14:22*	WG2296790
(S) Phenol-d5	*41.8*			*10.0-120*		*06/02/2024 14:22*	WG2296790
(S) Nitrobenzene-d5	*31.5*			*10.0-122*		*06/02/2024 14:22*	WG2296790
(S) 2-Fluorobiphenyl	*41.5*			*15.0-120*		*06/02/2024 14:22*	WG2296790
(S) 2,4,6-Tribromophenol	*56.5*			*10.0-127*		*06/02/2024 14:22*	WG2296790
(S) p-Terphenyl-d14	*59.4*			*10.0-120*		*06/02/2024 14:22*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	05/27/2024 09:58	WG2293530

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0251	J	0.0214	0.0476	1	05/26/2024 19:57	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	14.8		3.23	11.9	5	06/05/2024 13:36	WG2298458
Arsenic	8.88	J	3.08	11.9	5	06/05/2024 13:36	WG2298458
Barium	57.6		0.507	2.97	5	06/05/2024 13:36	WG2298458
Beryllium	U		0.188	1.19	5	06/05/2024 13:36	WG2298458
Cadmium	U		0.281	2.97	5	06/05/2024 13:36	WG2298458
Chromium	519		0.791	5.95	5	06/05/2024 13:36	WG2298458
Cobalt	11.6		0.483	5.95	5	06/05/2024 13:36	WG2298458
Copper	210		2.38	11.9	5	06/05/2024 13:36	WG2298458
Lead	52.7		1.24	2.97	5	06/05/2024 13:36	WG2298458
Molybdenum	26.0		0.648	2.97	5	06/05/2024 13:36	WG2298458
Nickel	114		0.785	11.9	5	06/05/2024 13:36	WG2298458
Selenium	U		4.54	11.9	5	06/05/2024 13:36	WG2298458
Silver	17.7		0.755	5.95	5	06/05/2024 13:36	WG2298458
Thallium	8.68	J	2.34	11.9	5	06/05/2024 13:36	WG2298458
Vanadium	126		3.01	11.9	5	06/05/2024 13:36	WG2298458
Zinc	26.5	J	4.95	29.7	5	06/05/2024 13:36	WG2298458

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	12.1	B	1.31	3.96	29.3	05/30/2024 04:34	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*05/30/2024 04:34*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0603	0.0826	1.23	05/30/2024 20:50	WG2295815
Acrylonitrile	U		0.00596	0.0207	1.23	05/30/2024 20:50	WG2295815
Benzene	0.0234		0.000771	0.00165	1.23	05/30/2024 20:50	WG2295815
Bromobenzene	U		0.00149	0.0207	1.23	05/30/2024 20:50	WG2295815
Bromodichloromethane	U		0.00120	0.00414	1.23	05/30/2024 20:50	WG2295815
Bromoform	U		0.00193	0.0414	1.23	05/30/2024 20:50	WG2295815
Bromomethane	U		0.00325	0.0207	1.23	05/30/2024 20:50	WG2295815
n-Butylbenzene	0.0203	J	0.00867	0.0207	1.23	05/30/2024 20:50	WG2295815
sec-Butylbenzene	0.0103	J	0.00475	0.0207	1.23	05/30/2024 20:50	WG2295815
tert-Butylbenzene	U	J4	0.00322	0.00826	1.23	05/30/2024 20:50	WG2295815
Carbon tetrachloride	U		0.00148	0.00826	1.23	05/30/2024 20:50	WG2295815
Chlorobenzene	U		0.000346	0.00414	1.23	05/30/2024 20:50	WG2295815
Chlorodibromomethane	U		0.00101	0.00414	1.23	05/30/2024 20:50	WG2295815
Chloroethane	U		0.00281	0.00826	1.23	05/30/2024 20:50	WG2295815
Chloroform	U		0.00171	0.00414	1.23	05/30/2024 20:50	WG2295815
Chloromethane	U		0.00718	0.0207	1.23	05/30/2024 20:50	WG2295815
2-Chlorotoluene	U		0.00142	0.00414	1.23	05/30/2024 20:50	WG2295815
4-Chlorotoluene	U		0.000744	0.00826	1.23	05/30/2024 20:50	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00644	0.0414	1.23	05/30/2024 20:50	WG2295815
1,2-Dibromoethane	U		0.00107	0.00414	1.23	05/30/2024 20:50	WG2295815
Dibromomethane	U		0.00124	0.00826	1.23	05/30/2024 20:50	WG2295815
1,2-Dichlorobenzene	U		0.000702	0.00826	1.23	05/30/2024 20:50	WG2295815
1,3-Dichlorobenzene	U		0.000991	0.00826	1.23	05/30/2024 20:50	WG2295815
1,4-Dichlorobenzene	U		0.00116	0.00826	1.23	05/30/2024 20:50	WG2295815
Dichlorodifluoromethane	U		0.00266	0.00826	1.23	05/30/2024 20:50	WG2295815
1,1-Dichloroethane	U		0.000811	0.00414	1.23	05/30/2024 20:50	WG2295815
1,2-Dichloroethane	U		0.00107	0.00414	1.23	05/30/2024 20:50	WG2295815
1,1-Dichloroethene	U		0.00100	0.00414	1.23	05/30/2024 20:50	WG2295815
cis-1,2-Dichloroethene	U		0.00121	0.00414	1.23	05/30/2024 20:50	WG2295815
trans-1,2-Dichloroethene	U		0.00172	0.00826	1.23	05/30/2024 20:50	WG2295815
1,2-Dichloropropane	U		0.00235	0.00826	1.23	05/30/2024 20:50	WG2295815
1,1-Dichloropropene	U		0.00134	0.00414	1.23	05/30/2024 20:50	WG2295815
1,3-Dichloropropane	U		0.000827	0.00826	1.23	05/30/2024 20:50	WG2295815
cis-1,3-Dichloropropene	U		0.00125	0.00414	1.23	05/30/2024 20:50	WG2295815
trans-1,3-Dichloropropene	U		0.00188	0.00826	1.23	05/30/2024 20:50	WG2295815
2,2-Dichloropropane	U		0.00228	0.00414	1.23	05/30/2024 20:50	WG2295815
Di-isopropyl ether	U		0.000677	0.00165	1.23	05/30/2024 20:50	WG2295815
Ethylbenzene	0.0434		0.00122	0.00414	1.23	05/30/2024 20:50	WG2295815
Hexachloro-1,3-butadiene	U		0.00991	0.0414	1.23	05/30/2024 20:50	WG2295815
Isopropylbenzene	0.0123		0.000702	0.00414	1.23	05/30/2024 20:50	WG2295815
p-Isopropyltoluene	U		0.00422	0.00826	1.23	05/30/2024 20:50	WG2295815
2-Butanone (MEK)	U	J4	0.105	0.165	1.23	05/30/2024 20:50	WG2295815
Methylene Chloride	U		0.0110	0.0414	1.23	05/30/2024 20:50	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00376	0.0414	1.23	05/30/2024 20:50	WG2295815
Methyl tert-butyl ether	U		0.000579	0.00165	1.23	05/30/2024 20:50	WG2295815
Naphthalene	0.0201	J	0.00806	0.0207	1.23	05/30/2024 20:50	WG2295815
n-Propylbenzene	0.0349		0.00157	0.00826	1.23	05/30/2024 20:50	WG2295815
Styrene	U		0.000379	0.0207	1.23	05/30/2024 20:50	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00157	0.00414	1.23	05/30/2024 20:50	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00115	0.00414	1.23	05/30/2024 20:50	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00124	0.00414	1.23	05/30/2024 20:50	WG2295815
Tetrachloroethene	U		0.00148	0.00414	1.23	05/30/2024 20:50	WG2295815
Toluene	0.0670		0.00215	0.00826	1.23	05/30/2024 20:50	WG2295815
1,2,3-Trichlorobenzene	U		0.0121	0.0207	1.23	05/30/2024 20:50	WG2295815
1,2,4-Trichlorobenzene	U		0.00726	0.0207	1.23	05/30/2024 20:50	WG2295815
1,1,1-Trichloroethane	U		0.00153	0.00414	1.23	05/30/2024 20:50	WG2295815
1,1,2-Trichloroethane	U		0.000986	0.00414	1.23	05/30/2024 20:50	WG2295815
Trichloroethene	U		0.000964	0.00165	1.23	05/30/2024 20:50	WG2295815
Trichlorofluoromethane	U		0.00137	0.00414	1.23	05/30/2024 20:50	WG2295815
1,2,3-Trichloropropane	U		0.00267	0.0207	1.23	05/30/2024 20:50	WG2295815
1,2,4-Trimethylbenzene	0.00975		0.00260	0.00826	1.23	05/30/2024 20:50	WG2295815
1,2,3-Trimethylbenzene	0.00442	J	0.00260	0.00826	1.23	05/30/2024 20:50	WG2295815
1,3,5-Trimethylbenzene	U		0.00330	0.00826	1.23	05/30/2024 20:50	WG2295815
Vinyl chloride	U		0.00192	0.00414	1.23	05/30/2024 20:50	WG2295815
Xylenes, Total	0.0447		0.00145	0.0107	1.23	05/30/2024 20:50	WG2295815
(S) Toluene-d8	*96.9*			*75.0-131*		*05/30/2024 20:50*	WG2295815
(S) 4-Bromofluorobenzene	*91.8*			*67.0-138*		*05/30/2024 20:50*	WG2295815
(S) 1,2-Dichloroethane-d4	*86.0*			*70.0-130*		*05/30/2024 20:50*	WG2295815

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.22		0.872	4.76	1	06/03/2024 18:18	WG2296785
C22-C32 Hydrocarbons	27.0		1.58	4.76	1	06/03/2024 18:18	WG2296785
C32-C40 Hydrocarbons	16.2		1.58	4.76	1	06/03/2024 18:18	WG2296785
(S) o-Terphenyl	*54.2*			*18.0-148*		*06/03/2024 18:18*	WG2296785

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00641	0.0396	1	06/02/2024 11:55	WG2296790
Acenaphthylene	U		0.00558	0.0396	1	06/02/2024 11:55	WG2296790
Anthracene	U		0.00705	0.0396	1	06/02/2024 11:55	WG2296790
Benzidine	U		0.0745	1.99	1	06/02/2024 11:55	WG2296790
Benzo(a)anthracene	0.0128	J	0.00698	0.0396	1	06/02/2024 11:55	WG2296790
Benzo(b)fluoranthene	0.0158	J	0.00739	0.0396	1	06/02/2024 11:55	WG2296790
Benzo(k)fluoranthene	U		0.00704	0.0396	1	06/02/2024 11:55	WG2296790
Benzo(g,h,i)perylene	0.00840	J	0.00724	0.0396	1	06/02/2024 11:55	WG2296790
Benzo(a)pyrene	0.0124	J	0.00736	0.0396	1	06/02/2024 11:55	WG2296790
Bis(2-chlorethoxy)methane	U		0.0119	0.396	1	06/02/2024 11:55	WG2296790
Bis(2-chloroethyl)ether	U		0.0131	0.396	1	06/02/2024 11:55	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0171	0.396	1	06/02/2024 11:55	WG2296790
4-Bromophenyl-phenylether	U		0.0139	0.396	1	06/02/2024 11:55	WG2296790
2-Chloronaphthalene	U		0.00696	0.0396	1	06/02/2024 11:55	WG2296790
4-Chlorophenyl-phenylether	U		0.0138	0.396	1	06/02/2024 11:55	WG2296790
Chrysene	0.0150	J	0.00787	0.0396	1	06/02/2024 11:55	WG2296790
Dibenz(a,h)anthracene	U		0.0110	0.0396	1	06/02/2024 11:55	WG2296790
1,2-Dichlorobenzene	U		0.0117	0.396	1	06/02/2024 11:55	WG2296790
1,3-Dichlorobenzene	U		0.0120	0.396	1	06/02/2024 11:55	WG2296790
1,4-Dichlorobenzene	U		0.0118	0.396	1	06/02/2024 11:55	WG2296790
3,3-Dichlorobenzidine	U		0.0146	0.396	1	06/02/2024 11:55	WG2296790
2,4-Dinitrotoluene	U		0.0114	0.396	1	06/02/2024 11:55	WG2296790
2,6-Dinitrotoluene	U		0.0130	0.396	1	06/02/2024 11:55	WG2296790
Fluoranthene	0.0251	J	0.00715	0.0396	1	06/02/2024 11:55	WG2296790
Fluorene	U		0.00645	0.0396	1	06/02/2024 11:55	WG2296790
Hexachlorobenzene	U		0.0140	0.396	1	06/02/2024 11:55	WG2296790
Hexachloro-1,3-butadiene	U		0.0133	0.396	1	06/02/2024 11:55	WG2296790
Hexachlorocyclopentadiene	U		0.0208	0.396	1	06/02/2024 11:55	WG2296790
Hexachloroethane	U		0.0156	0.396	1	06/02/2024 11:55	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0112	0.0396	1	06/02/2024 11:55	WG2296790
Isophorone	U		0.0121	0.396	1	06/02/2024 11:55	WG2296790
Naphthalene	U		0.00994	0.0396	1	06/02/2024 11:55	WG2296790
Nitrobenzene	U		0.0138	0.396	1	06/02/2024 11:55	WG2296790
n-Nitrosodimethylamine	U		0.0588	0.396	1	06/02/2024 11:55	WG2296790
n-Nitrosodiphenylamine	U		0.0300	0.396	1	06/02/2024 11:55	WG2296790
n-Nitrosodi-n-propylamine	U		0.0132	0.396	1	06/02/2024 11:55	WG2296790
Phenanthrene	0.0191	J	0.00786	0.0396	1	06/02/2024 11:55	WG2296790
Benzylbutyl phthalate	U		0.0124	0.396	1	06/02/2024 11:55	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0502	0.396	1	06/02/2024 11:55	WG2296790
Di-n-butyl phthalate	U		0.0136	0.396	1	06/02/2024 11:55	WG2296790
Diethyl phthalate	U		0.0131	0.396	1	06/02/2024 11:55	WG2296790
Dimethyl phthalate	U		0.0840	0.396	1	06/02/2024 11:55	WG2296790
Di-n-octyl phthalate	U		0.0268	0.396	1	06/02/2024 11:55	WG2296790
Pyrene	0.0271	J	0.00771	0.0396	1	06/02/2024 11:55	WG2296790
1,2,4-Trichlorobenzene	U		0.0124	0.396	1	06/02/2024 11:55	WG2296790
4-Chloro-3-methylphenol	U		0.0128	0.396	1	06/02/2024 11:55	WG2296790
2-Chlorophenol	U		0.0131	0.396	1	06/02/2024 11:55	WG2296790
2,4-Dichlorophenol	U		0.0115	0.396	1	06/02/2024 11:55	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0103	0.396	1	06/02/2024 11:55	WG2296790
4,6-Dinitro-2-methylphenol	U		0.0898	0.396	1	06/02/2024 11:55	WG2296790
2,4-Dinitrophenol	U		0.0926	0.396	1	06/02/2024 11:55	WG2296790
2-Nitrophenol	U		0.0142	0.396	1	06/02/2024 11:55	WG2296790
4-Nitrophenol	U		0.0124	0.396	1	06/02/2024 11:55	WG2296790
Pentachlorophenol	U		0.0107	0.396	1	06/02/2024 11:55	WG2296790
Phenol	U		0.0159	0.396	1	06/02/2024 11:55	WG2296790
2,4,6-Trichlorophenol	U		0.0127	0.396	1	06/02/2024 11:55	WG2296790
(S) 2-Fluorophenol	*54.8*			*12.0-120*		*06/02/2024 11:55*	WG2296790
(S) Phenol-d5	*51.8*			*10.0-120*		*06/02/2024 11:55*	WG2296790
(S) Nitrobenzene-d5	*42.3*			*10.0-122*		*06/02/2024 11:55*	WG2296790
(S) 2-Fluorobiphenyl	*48.3*			*15.0-120*		*06/02/2024 11:55*	WG2296790
(S) 2,4,6-Tribromophenol	*57.6*			*10.0-127*		*06/02/2024 11:55*	WG2296790
(S) p-Terphenyl-d14	*57.1*			*10.0-120*		*06/02/2024 11:55*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.7		1	06/26/2024 13:44	WG2311827

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Nickel	52.8		0.170	2.57	1	06/27/2024 20:16	WG2313442

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.75	B J	1.30	3.90	25	06/03/2024 17:15	WG2297754
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*06/03/2024 17:15*	WG2297754

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0565	0.0773	1	05/30/2024 21:13	WG2295815
Acrylonitrile	U		0.00558	0.0193	1	05/30/2024 21:13	WG2295815
Benzene	U		0.000722	0.00155	1	05/30/2024 21:13	WG2295815
Bromobenzene	U		0.00139	0.0193	1	05/30/2024 21:13	WG2295815
Bromodichloromethane	U		0.00112	0.00387	1	05/30/2024 21:13	WG2295815
Bromoform	U		0.00181	0.0387	1	05/30/2024 21:13	WG2295815
Bromomethane	U		0.00305	0.0193	1	05/30/2024 21:13	WG2295815
n-Butylbenzene	U		0.00812	0.0193	1	05/30/2024 21:13	WG2295815
sec-Butylbenzene	U		0.00446	0.0193	1	05/30/2024 21:13	WG2295815
tert-Butylbenzene	U	J4	0.00302	0.00773	1	05/30/2024 21:13	WG2295815
Carbon tetrachloride	U		0.00139	0.00773	1	05/30/2024 21:13	WG2295815
Chlorobenzene	U		0.000325	0.00387	1	05/30/2024 21:13	WG2295815
Chlorodibromomethane	U		0.000947	0.00387	1	05/30/2024 21:13	WG2295815
Chloroethane	U		0.00263	0.00773	1	05/30/2024 21:13	WG2295815
Chloroform	U		0.00159	0.00387	1	05/30/2024 21:13	WG2295815
Chloromethane	U		0.00673	0.0193	1	05/30/2024 21:13	WG2295815
2-Chlorotoluene	U		0.00134	0.00387	1	05/30/2024 21:13	WG2295815
4-Chlorotoluene	U		0.000696	0.00773	1	05/30/2024 21:13	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00603	0.0387	1	05/30/2024 21:13	WG2295815
1,2-Dibromoethane	U		0.00100	0.00387	1	05/30/2024 21:13	WG2295815
Dibromomethane	U		0.00116	0.00773	1	05/30/2024 21:13	WG2295815
1,2-Dichlorobenzene	U		0.000657	0.00773	1	05/30/2024 21:13	WG2295815
1,3-Dichlorobenzene	U		0.000928	0.00773	1	05/30/2024 21:13	WG2295815
1,4-Dichlorobenzene	U		0.00108	0.00773	1	05/30/2024 21:13	WG2295815
Dichlorodifluoromethane	U		0.00249	0.00773	1	05/30/2024 21:13	WG2295815
1,1-Dichloroethane	U		0.000760	0.00387	1	05/30/2024 21:13	WG2295815
1,2-Dichloroethane	U		0.00100	0.00387	1	05/30/2024 21:13	WG2295815
1,1-Dichloroethene	U		0.000937	0.00387	1	05/30/2024 21:13	WG2295815
cis-1,2-Dichloroethene	U		0.00114	0.00387	1	05/30/2024 21:13	WG2295815
trans-1,2-Dichloroethene	U		0.00161	0.00773	1	05/30/2024 21:13	WG2295815
1,2-Dichloropropane	U		0.00220	0.00773	1	05/30/2024 21:13	WG2295815
1,1-Dichloropropene	U		0.00125	0.00387	1	05/30/2024 21:13	WG2295815
1,3-Dichloropropane	U		0.000775	0.00773	1	05/30/2024 21:13	WG2295815
cis-1,3-Dichloropropene	U		0.00117	0.00387	1	05/30/2024 21:13	WG2295815
trans-1,3-Dichloropropene	U		0.00176	0.00773	1	05/30/2024 21:13	WG2295815
2,2-Dichloropropane	U		0.00213	0.00387	1	05/30/2024 21:13	WG2295815
Di-isopropyl ether	U		0.000634	0.00155	1	05/30/2024 21:13	WG2295815
Ethylbenzene	U		0.00114	0.00387	1	05/30/2024 21:13	WG2295815
Hexachloro-1,3-butadiene	U		0.00928	0.0387	1	05/30/2024 21:13	WG2295815
Isopropylbenzene	U		0.000657	0.00387	1	05/30/2024 21:13	WG2295815
p-Isopropyltoluene	U		0.00394	0.00773	1	05/30/2024 21:13	WG2295815
2-Butanone (MEK)	U	J4	0.0982	0.155	1	05/30/2024 21:13	WG2295815
Methylene Chloride	U		0.0103	0.0387	1	05/30/2024 21:13	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00353	0.0387	1	05/30/2024 21:13	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000541	0.00155	1	05/30/2024 21:13	WG2295815
Naphthalene	U		0.00755	0.0193	1	05/30/2024 21:13	WG2295815
n-Propylbenzene	U		0.00147	0.00773	1	05/30/2024 21:13	WG2295815
Styrene	U		0.000354	0.0193	1	05/30/2024 21:13	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00147	0.00387	1	05/30/2024 21:13	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00108	0.00387	1	05/30/2024 21:13	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00117	0.00387	1	05/30/2024 21:13	WG2295815
Tetrachloroethene	U		0.00139	0.00387	1	05/30/2024 21:13	WG2295815
Toluene	U		0.00201	0.00773	1	05/30/2024 21:13	WG2295815
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1	05/30/2024 21:13	WG2295815
1,2,4-Trichlorobenzene	U		0.00681	0.0193	1	05/30/2024 21:13	WG2295815
1,1,1-Trichloroethane	U		0.00143	0.00387	1	05/30/2024 21:13	WG2295815
1,1,2-Trichloroethane	U		0.000924	0.00387	1	05/30/2024 21:13	WG2295815
Trichloroethene	0.00334		0.000903	0.00155	1	05/30/2024 21:13	WG2295815
Trichlorofluoromethane	U		0.00128	0.00387	1	05/30/2024 21:13	WG2295815
1,2,3-Trichloropropane	U		0.00251	0.0193	1	05/30/2024 21:13	WG2295815
1,2,4-Trimethylbenzene	U		0.00244	0.00773	1	05/30/2024 21:13	WG2295815
1,2,3-Trimethylbenzene	U		0.00244	0.00773	1	05/30/2024 21:13	WG2295815
1,3,5-Trimethylbenzene	U		0.00309	0.00773	1	05/30/2024 21:13	WG2295815
Vinyl chloride	U		0.00179	0.00387	1	05/30/2024 21:13	WG2295815
Xylenes, Total	U		0.00136	0.0101	1	05/30/2024 21:13	WG2295815
(S) Toluene-d8	*97.8*			*75.0-131*		*05/30/2024 21:13*	WG2295815
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*05/30/2024 21:13*	WG2295815
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*		*05/30/2024 21:13*	WG2295815

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.22	J	0.928	5.07	1	06/03/2024 13:37	WG2296787
C22-C32 Hydrocarbons	4.48	J	1.68	5.07	1	06/03/2024 13:37	WG2296787
C32-C40 Hydrocarbons	U		1.68	5.07	1	06/03/2024 13:37	WG2296787
(S) o-Terphenyl	*47.0*			*18.0-148*		*06/03/2024 13:37*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.01	B	0.974	2.93	25	05/30/2024 07:51	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*77.0-120*		*05/30/2024 07:51*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0431	0.0591	1	05/30/2024 21:35	WG2295815
Acrylonitrile	U		0.00426	0.0148	1	05/30/2024 21:35	WG2295815
Benzene	0.0115		0.000552	0.00118	1	05/30/2024 21:35	WG2295815
Bromobenzene	U		0.00106	0.0148	1	05/30/2024 21:35	WG2295815
Bromodichloromethane	U		0.000857	0.00295	1	05/30/2024 21:35	WG2295815
Bromoform	U		0.00138	0.0295	1	05/30/2024 21:35	WG2295815
Bromomethane	U		0.00233	0.0148	1	05/30/2024 21:35	WG2295815
n-Butylbenzene	U		0.00620	0.0148	1	05/30/2024 21:35	WG2295815
sec-Butylbenzene	U		0.00340	0.0148	1	05/30/2024 21:35	WG2295815
tert-Butylbenzene	U	J4	0.00230	0.00591	1	05/30/2024 21:35	WG2295815
Carbon tetrachloride	U		0.00106	0.00591	1	05/30/2024 21:35	WG2295815
Chlorobenzene	0.0552		0.000248	0.00295	1	05/30/2024 21:35	WG2295815
Chlorodibromomethane	U		0.000723	0.00295	1	05/30/2024 21:35	WG2295815
Chloroethane	U		0.00201	0.00591	1	05/30/2024 21:35	WG2295815
Chloroform	U		0.00122	0.00295	1	05/30/2024 21:35	WG2295815
Chloromethane	U		0.00514	0.0148	1	05/30/2024 21:35	WG2295815
2-Chlorotoluene	U		0.00102	0.00295	1	05/30/2024 21:35	WG2295815
4-Chlorotoluene	U		0.000532	0.00591	1	05/30/2024 21:35	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00461	0.0295	1	05/30/2024 21:35	WG2295815
1,2-Dibromoethane	U		0.000766	0.00295	1	05/30/2024 21:35	WG2295815
Dibromomethane	U		0.000886	0.00591	1	05/30/2024 21:35	WG2295815
1,2-Dichlorobenzene	0.00936		0.000502	0.00591	1	05/30/2024 21:35	WG2295815
1,3-Dichlorobenzene	U		0.000709	0.00591	1	05/30/2024 21:35	WG2295815
1,4-Dichlorobenzene	U		0.000827	0.00591	1	05/30/2024 21:35	WG2295815
Dichlorodifluoromethane	U		0.00190	0.00591	1	05/30/2024 21:35	WG2295815
1,1-Dichloroethane	0.0311		0.000580	0.00295	1	05/30/2024 21:35	WG2295815
1,2-Dichloroethane	U		0.000767	0.00295	1	05/30/2024 21:35	WG2295815
1,1-Dichloroethene	U		0.000716	0.00295	1	05/30/2024 21:35	WG2295815
cis-1,2-Dichloroethene	0.00899		0.000867	0.00295	1	05/30/2024 21:35	WG2295815
trans-1,2-Dichloroethene	U		0.00123	0.00591	1	05/30/2024 21:35	WG2295815
1,2-Dichloropropane	U		0.00168	0.00591	1	05/30/2024 21:35	WG2295815
1,1-Dichloropropene	U		0.000956	0.00295	1	05/30/2024 21:35	WG2295815
1,3-Dichloropropane	U		0.000592	0.00591	1	05/30/2024 21:35	WG2295815
cis-1,3-Dichloropropene	U		0.000894	0.00295	1	05/30/2024 21:35	WG2295815
trans-1,3-Dichloropropene	U		0.00135	0.00591	1	05/30/2024 21:35	WG2295815
2,2-Dichloropropane	U		0.00163	0.00295	1	05/30/2024 21:35	WG2295815
Di-isopropyl ether	U		0.000484	0.00118	1	05/30/2024 21:35	WG2295815
Ethylbenzene	0.00304		0.000871	0.00295	1	05/30/2024 21:35	WG2295815
Hexachloro-1,3-butadiene	U		0.00709	0.0295	1	05/30/2024 21:35	WG2295815
Isopropylbenzene	0.00146	J	0.000502	0.00295	1	05/30/2024 21:35	WG2295815
p-Isopropyltoluene	0.00308	J	0.00301	0.00591	1	05/30/2024 21:35	WG2295815
2-Butanone (MEK)	U	J4	0.0750	0.118	1	05/30/2024 21:35	WG2295815
Methylene Chloride	U		0.00784	0.0295	1	05/30/2024 21:35	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00269	0.0295	1	05/30/2024 21:35	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000413	0.00118	1	05/30/2024 21:35	WG2295815
Naphthalene	0.00905	J	0.00577	0.0148	1	05/30/2024 21:35	WG2295815
n-Propylbenzene	0.00151	J	0.00112	0.00591	1	05/30/2024 21:35	WG2295815
Styrene	U		0.000271	0.0148	1	05/30/2024 21:35	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00112	0.00295	1	05/30/2024 21:35	WG2295815
1,1,2,2-Tetrachloroethane	U		0.000821	0.00295	1	05/30/2024 21:35	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.000891	0.00295	1	05/30/2024 21:35	WG2295815
Tetrachloroethene	U		0.00106	0.00295	1	05/30/2024 21:35	WG2295815
Toluene	0.00599		0.00154	0.00591	1	05/30/2024 21:35	WG2295815
1,2,3-Trichlorobenzene	U		0.00866	0.0148	1	05/30/2024 21:35	WG2295815
1,2,4-Trichlorobenzene	U		0.00520	0.0148	1	05/30/2024 21:35	WG2295815
1,1,1-Trichloroethane	U		0.00109	0.00295	1	05/30/2024 21:35	WG2295815
1,1,2-Trichloroethane	U		0.000705	0.00295	1	05/30/2024 21:35	WG2295815
Trichloroethene	0.00324		0.000690	0.00118	1	05/30/2024 21:35	WG2295815
Trichlorofluoromethane	U		0.000977	0.00295	1	05/30/2024 21:35	WG2295815
1,2,3-Trichloropropane	U		0.00191	0.0148	1	05/30/2024 21:35	WG2295815
1,2,4-Trimethylbenzene	0.00481	J	0.00187	0.00591	1	05/30/2024 21:35	WG2295815
1,2,3-Trimethylbenzene	0.00470	J	0.00187	0.00591	1	05/30/2024 21:35	WG2295815
1,3,5-Trimethylbenzene	0.00236	J	0.00236	0.00591	1	05/30/2024 21:35	WG2295815
Vinyl chloride	0.00372		0.00137	0.00295	1	05/30/2024 21:35	WG2295815
Xylenes, Total	0.00689	J	0.00104	0.00768	1	05/30/2024 21:35	WG2295815
(S) Toluene-d8	*94.6*			*75.0-131*		*05/30/2024 21:35*	WG2295815
(S) 4-Bromofluorobenzene	*92.9*			*67.0-138*		*05/30/2024 21:35*	WG2295815
(S) 1,2-Dichloroethane-d4	*83.1*			*70.0-130*		*05/30/2024 21:35*	WG2295815

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	229		7.95	43.4	10	06/03/2024 16:23	WG2296787
C22-C32 Hydrocarbons	1340		14.4	43.4	10	06/03/2024 16:23	WG2296787
C32-C40 Hydrocarbons	936		14.4	43.4	10	06/03/2024 16:23	WG2296787
(S) o-Terphenyl	*94.9*			*18.0-148*		*06/03/2024 16:23*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.58	B J	1.34	4.02	25	05/30/2024 08:14	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*05/30/2024 08:14*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0572	0.0784	1	05/30/2024 21:57	WG2295815
Acrylonitrile	U		0.00566	0.0196	1	05/30/2024 21:57	WG2295815
Benzene	U		0.000732	0.00157	1	05/30/2024 21:57	WG2295815
Bromobenzene	U		0.00141	0.0196	1	05/30/2024 21:57	WG2295815
Bromodichloromethane	U		0.00114	0.00392	1	05/30/2024 21:57	WG2295815
Bromoform	U		0.00184	0.0392	1	05/30/2024 21:57	WG2295815
Bromomethane	U		0.00309	0.0196	1	05/30/2024 21:57	WG2295815
n-Butylbenzene	U		0.00823	0.0196	1	05/30/2024 21:57	WG2295815
sec-Butylbenzene	U		0.00452	0.0196	1	05/30/2024 21:57	WG2295815
tert-Butylbenzene	U	J4	0.00306	0.00784	1	05/30/2024 21:57	WG2295815
Carbon tetrachloride	U		0.00141	0.00784	1	05/30/2024 21:57	WG2295815
Chlorobenzene	0.00536		0.000329	0.00392	1	05/30/2024 21:57	WG2295815
Chlorodibromomethane	U		0.000960	0.00392	1	05/30/2024 21:57	WG2295815
Chloroethane	U		0.00267	0.00784	1	05/30/2024 21:57	WG2295815
Chloroform	U		0.00162	0.00392	1	05/30/2024 21:57	WG2295815
Chloromethane	U		0.00682	0.0196	1	05/30/2024 21:57	WG2295815
2-Chlorotoluene	U		0.00136	0.00392	1	05/30/2024 21:57	WG2295815
4-Chlorotoluene	U		0.000706	0.00784	1	05/30/2024 21:57	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00612	0.0392	1	05/30/2024 21:57	WG2295815
1,2-Dibromoethane	U		0.00102	0.00392	1	05/30/2024 21:57	WG2295815
Dibromomethane	U		0.00118	0.00784	1	05/30/2024 21:57	WG2295815
1,2-Dichlorobenzene	0.0168		0.000667	0.00784	1	05/30/2024 21:57	WG2295815
1,3-Dichlorobenzene	U		0.000941	0.00784	1	05/30/2024 21:57	WG2295815
1,4-Dichlorobenzene	0.00668	J	0.00110	0.00784	1	05/30/2024 21:57	WG2295815
Dichlorodifluoromethane	U		0.00253	0.00784	1	05/30/2024 21:57	WG2295815
1,1-Dichloroethane	0.00154	J	0.000770	0.00392	1	05/30/2024 21:57	WG2295815
1,2-Dichloroethane	U		0.00102	0.00392	1	05/30/2024 21:57	WG2295815
1,1-Dichloroethene	U		0.000950	0.00392	1	05/30/2024 21:57	WG2295815
cis-1,2-Dichloroethene	0.232		0.00115	0.00392	1	05/30/2024 21:57	WG2295815
trans-1,2-Dichloroethene	0.00910		0.00163	0.00784	1	05/30/2024 21:57	WG2295815
1,2-Dichloropropane	U		0.00223	0.00784	1	05/30/2024 21:57	WG2295815
1,1-Dichloropropene	U		0.00127	0.00392	1	05/30/2024 21:57	WG2295815
1,3-Dichloropropane	U		0.000786	0.00784	1	05/30/2024 21:57	WG2295815
cis-1,3-Dichloropropene	U		0.00119	0.00392	1	05/30/2024 21:57	WG2295815
trans-1,3-Dichloropropene	U		0.00179	0.00784	1	05/30/2024 21:57	WG2295815
2,2-Dichloropropane	U		0.00216	0.00392	1	05/30/2024 21:57	WG2295815
Di-isopropyl ether	U		0.000643	0.00157	1	05/30/2024 21:57	WG2295815
Ethylbenzene	U		0.00116	0.00392	1	05/30/2024 21:57	WG2295815
Hexachloro-1,3-butadiene	U		0.00941	0.0392	1	05/30/2024 21:57	WG2295815
Isopropylbenzene	0.000772	J	0.000667	0.00392	1	05/30/2024 21:57	WG2295815
p-Isopropyltoluene	U		0.00400	0.00784	1	05/30/2024 21:57	WG2295815
2-Butanone (MEK)	U	J4	0.0996	0.157	1	05/30/2024 21:57	WG2295815
Methylene Chloride	U		0.0104	0.0392	1	05/30/2024 21:57	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00358	0.0392	1	05/30/2024 21:57	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000549	0.00157	1	05/30/2024 21:57	WG2295815
Naphthalene	U		0.00765	0.0196	1	05/30/2024 21:57	WG2295815
n-Propylbenzene	U		0.00149	0.00784	1	05/30/2024 21:57	WG2295815
Styrene	U		0.000359	0.0196	1	05/30/2024 21:57	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00149	0.00392	1	05/30/2024 21:57	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00109	0.00392	1	05/30/2024 21:57	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00392	1	05/30/2024 21:57	WG2295815
Tetrachloroethene	U		0.00141	0.00392	1	05/30/2024 21:57	WG2295815
Toluene	U		0.00204	0.00784	1	05/30/2024 21:57	WG2295815
1,2,3-Trichlorobenzene	U		0.0115	0.0196	1	05/30/2024 21:57	WG2295815
1,2,4-Trichlorobenzene	U		0.00690	0.0196	1	05/30/2024 21:57	WG2295815
1,1,1-Trichloroethane	U		0.00145	0.00392	1	05/30/2024 21:57	WG2295815
1,1,2-Trichloroethane	U		0.000936	0.00392	1	05/30/2024 21:57	WG2295815
Trichloroethene	0.00524		0.000916	0.00157	1	05/30/2024 21:57	WG2295815
Trichlorofluoromethane	U		0.00130	0.00392	1	05/30/2024 21:57	WG2295815
1,2,3-Trichloropropane	U		0.00254	0.0196	1	05/30/2024 21:57	WG2295815
1,2,4-Trimethylbenzene	0.00303	J	0.00248	0.00784	1	05/30/2024 21:57	WG2295815
1,2,3-Trimethylbenzene	U		0.00248	0.00784	1	05/30/2024 21:57	WG2295815
1,3,5-Trimethylbenzene	U		0.00314	0.00784	1	05/30/2024 21:57	WG2295815
Vinyl chloride	0.0671		0.00182	0.00392	1	05/30/2024 21:57	WG2295815
Xylenes, Total	0.00248	J	0.00138	0.0102	1	05/30/2024 21:57	WG2295815
(S) Toluene-d8	*97.7*			*75.0-131*		*05/30/2024 21:57*	WG2295815
(S) 4-Bromofluorobenzene	*95.5*			*67.0-138*		*05/30/2024 21:57*	WG2295815
(S) 1,2-Dichloroethane-d4	*85.3*			*70.0-130*		*05/30/2024 21:57*	WG2295815

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.90	J	0.921	5.03	1	06/03/2024 13:51	WG2296787
C22-C32 Hydrocarbons	5.88		1.67	5.03	1	06/03/2024 13:51	WG2296787
C32-C40 Hydrocarbons	3.28	J	1.67	5.03	1	06/03/2024 13:51	WG2296787
(S) o-Terphenyl	*39.6*			*18.0-148*		*06/03/2024 13:51*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2340		49.2	148	1000	05/30/2024 21:24	WG2295674
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*05/30/2024 21:24*	WG2295674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		4.40	6.03	80	05/31/2024 00:32	WG2295815
Acrylonitrile	U		0.436	1.51	80	05/31/2024 00:32	WG2295815
Benzene	3.56		0.0564	0.121	80	05/31/2024 00:32	WG2295815
Bromobenzene	U		0.109	1.51	80	05/31/2024 00:32	WG2295815
Bromodichloromethane	U		0.0874	0.301	80	05/31/2024 00:32	WG2295815
Bromoform	U		0.141	3.01	80	05/31/2024 00:32	WG2295815
Bromomethane	U		0.238	1.51	80	05/31/2024 00:32	WG2295815
n-Butylbenzene	33.9		0.633	1.51	80	05/31/2024 00:32	WG2295815
sec-Butylbenzene	18.1		0.347	1.51	80	05/31/2024 00:32	WG2295815
tert-Butylbenzene	U	J4	0.235	0.603	80	05/31/2024 00:32	WG2295815
Carbon tetrachloride	U		0.108	0.603	80	05/31/2024 00:32	WG2295815
Chlorobenzene	U		0.0253	0.301	80	05/31/2024 00:32	WG2295815
Chlorodibromomethane	U		0.0739	0.301	80	05/31/2024 00:32	WG2295815
Chloroethane	U		0.205	0.603	80	05/31/2024 00:32	WG2295815
Chloroform	U		0.124	0.301	80	05/31/2024 00:32	WG2295815
Chloromethane	U		0.525	1.51	80	05/31/2024 00:32	WG2295815
2-Chlorotoluene	U		0.104	0.301	80	05/31/2024 00:32	WG2295815
4-Chlorotoluene	U		0.0543	0.603	80	05/31/2024 00:32	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.470	3.01	80	05/31/2024 00:32	WG2295815
1,2-Dibromoethane	U		0.0781	0.301	80	05/31/2024 00:32	WG2295815
Dibromomethane	U		0.0904	0.603	80	05/31/2024 00:32	WG2295815
1,2-Dichlorobenzene	U		0.0512	0.603	80	05/31/2024 00:32	WG2295815
1,3-Dichlorobenzene	U		0.0723	0.603	80	05/31/2024 00:32	WG2295815
1,4-Dichlorobenzene	U		0.0844	0.603	80	05/31/2024 00:32	WG2295815
Dichlorodifluoromethane	U		0.194	0.603	80	05/31/2024 00:32	WG2295815
1,1-Dichloroethane	U		0.0592	0.301	80	05/31/2024 00:32	WG2295815
1,2-Dichloroethane	U		0.0782	0.301	80	05/31/2024 00:32	WG2295815
1,1-Dichloroethene	U		0.0731	0.301	80	05/31/2024 00:32	WG2295815
cis-1,2-Dichloroethene	U		0.0885	0.301	80	05/31/2024 00:32	WG2295815
trans-1,2-Dichloroethene	U		0.125	0.603	80	05/31/2024 00:32	WG2295815
1,2-Dichloropropane	U		0.172	0.603	80	05/31/2024 00:32	WG2295815
1,1-Dichloropropene	U		0.0975	0.301	80	05/31/2024 00:32	WG2295815
1,3-Dichloropropane	U		0.0604	0.603	80	05/31/2024 00:32	WG2295815
cis-1,3-Dichloropropene	U		0.0913	0.301	80	05/31/2024 00:32	WG2295815
trans-1,3-Dichloropropene	U		0.137	0.603	80	05/31/2024 00:32	WG2295815
2,2-Dichloropropane	U		0.166	0.301	80	05/31/2024 00:32	WG2295815
Di-isopropyl ether	U		0.0494	0.121	80	05/31/2024 00:32	WG2295815
Ethylbenzene	75.4		0.0889	0.301	80	05/31/2024 00:32	WG2295815
Hexachloro-1,3-butadiene	U		0.723	3.01	80	05/31/2024 00:32	WG2295815
Isopropylbenzene	21.6		0.0512	0.301	80	05/31/2024 00:32	WG2295815
p-Isopropyltoluene	U		0.307	0.603	80	05/31/2024 00:32	WG2295815
2-Butanone (MEK)	U	J4	7.66	12.1	80	05/31/2024 00:32	WG2295815
Methylene Chloride	U		0.800	3.01	80	05/31/2024 00:32	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.274	3.01	80	05/31/2024 00:32	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0422	0.121	80	05/31/2024 00:32	WG2295815
Naphthalene	49.6		0.588	1.51	80	05/31/2024 00:32	WG2295815
n-Propylbenzene	77.8		0.115	0.603	80	05/31/2024 00:32	WG2295815
Styrene	U		0.0276	1.51	80	05/31/2024 00:32	WG2295815
1,1,1,2-Tetrachloroethane	U		0.114	0.301	80	05/31/2024 00:32	WG2295815
1,1,2,2-Tetrachloroethane	U		0.0838	0.301	80	05/31/2024 00:32	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.0909	0.301	80	05/31/2024 00:32	WG2295815
Tetrachloroethene	U		0.108	0.301	80	05/31/2024 00:32	WG2295815
Toluene	0.996		0.157	0.603	80	05/31/2024 00:32	WG2295815
1,2,3-Trichlorobenzene	U		0.883	1.51	80	05/31/2024 00:32	WG2295815
1,2,4-Trichlorobenzene	U		0.531	1.51	80	05/31/2024 00:32	WG2295815
1,1,1-Trichloroethane	U		0.111	0.301	80	05/31/2024 00:32	WG2295815
1,1,2-Trichloroethane	U		0.0720	0.301	80	05/31/2024 00:32	WG2295815
Trichloroethene	U		0.0704	0.121	80	05/31/2024 00:32	WG2295815
Trichlorofluoromethane	U		0.0998	0.301	80	05/31/2024 00:32	WG2295815
1,2,3-Trichloropropane	U		0.196	1.51	80	05/31/2024 00:32	WG2295815
1,2,4-Trimethylbenzene	0.220	J	0.190	0.603	80	05/31/2024 00:32	WG2295815
1,2,3-Trimethylbenzene	6.30		0.190	0.603	80	05/31/2024 00:32	WG2295815
1,3,5-Trimethylbenzene	2.23		0.241	0.603	80	05/31/2024 00:32	WG2295815
Vinyl chloride	U		0.140	0.301	80	05/31/2024 00:32	WG2295815
Xylenes, Total	3.87		0.106	0.784	80	05/31/2024 00:32	WG2295815
(S) Toluene-d8	*97.4*			*75.0-131*		*05/31/2024 00:32*	WG2295815
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*05/31/2024 00:32*	WG2295815
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*05/31/2024 00:32*	WG2295815

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	37.6		0.894	4.88	1	06/03/2024 14:47	WG2296787
C22-C32 Hydrocarbons	2.94	J	1.62	4.88	1	06/03/2024 14:47	WG2296787
C32-C40 Hydrocarbons	U		1.62	4.88	1	06/03/2024 14:47	WG2296787
(S) o-Terphenyl	*52.4*			*18.0-148*		*06/03/2024 14:47*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	209		1.27	3.82	25	05/30/2024 08:58	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*117*			*77.0-120*		*05/30/2024 08:58*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0557	0.0763	1	05/30/2024 22:19	WG2295815
Acrylonitrile	U		0.00551	0.0191	1	05/30/2024 22:19	WG2295815
Benzene	0.426		0.000713	0.00153	1	05/30/2024 22:19	WG2295815
Bromobenzene	U		0.00137	0.0191	1	05/30/2024 22:19	WG2295815
Bromodichloromethane	U		0.00111	0.00382	1	05/30/2024 22:19	WG2295815
Bromoform	U		0.00179	0.0382	1	05/30/2024 22:19	WG2295815
Bromomethane	U		0.00301	0.0191	1	05/30/2024 22:19	WG2295815
n-Butylbenzene	1.48		0.00801	0.0191	1	05/30/2024 22:19	WG2295815
sec-Butylbenzene	0.693		0.0440	0.191	10	06/02/2024 17:50	WG2297114
tert-Butylbenzene	U	J4	0.00298	0.00763	1	05/30/2024 22:19	WG2295815
Carbon tetrachloride	U		0.00137	0.00763	1	05/30/2024 22:19	WG2295815
Chlorobenzene	U		0.000321	0.00382	1	05/30/2024 22:19	WG2295815
Chlorodibromomethane	U		0.000934	0.00382	1	05/30/2024 22:19	WG2295815
Chloroethane	U		0.00259	0.00763	1	05/30/2024 22:19	WG2295815
Chloroform	U		0.00157	0.00382	1	05/30/2024 22:19	WG2295815
Chloromethane	U		0.00664	0.0191	1	05/30/2024 22:19	WG2295815
2-Chlorotoluene	U		0.00132	0.00382	1	05/30/2024 22:19	WG2295815
4-Chlorotoluene	U		0.000687	0.00763	1	05/30/2024 22:19	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0382	1	05/30/2024 22:19	WG2295815
1,2-Dibromoethane	U		0.000989	0.00382	1	05/30/2024 22:19	WG2295815
Dibromomethane	U		0.00114	0.00763	1	05/30/2024 22:19	WG2295815
1,2-Dichlorobenzene	U		0.000649	0.00763	1	05/30/2024 22:19	WG2295815
1,3-Dichlorobenzene	U		0.000916	0.00763	1	05/30/2024 22:19	WG2295815
1,4-Dichlorobenzene	U		0.00107	0.00763	1	05/30/2024 22:19	WG2295815
Dichlorodifluoromethane	U		0.00246	0.00763	1	05/30/2024 22:19	WG2295815
1,1-Dichloroethane	U		0.000749	0.00382	1	05/30/2024 22:19	WG2295815
1,2-Dichloroethane	U		0.000991	0.00382	1	05/30/2024 22:19	WG2295815
1,1-Dichloroethene	U		0.000925	0.00382	1	05/30/2024 22:19	WG2295815
cis-1,2-Dichloroethene	U		0.00112	0.00382	1	05/30/2024 22:19	WG2295815
trans-1,2-Dichloroethene	U		0.00159	0.00763	1	05/30/2024 22:19	WG2295815
1,2-Dichloropropane	U		0.00217	0.00763	1	05/30/2024 22:19	WG2295815
1,1-Dichloropropene	U		0.00123	0.00382	1	05/30/2024 22:19	WG2295815
1,3-Dichloropropane	U		0.000765	0.00763	1	05/30/2024 22:19	WG2295815
cis-1,3-Dichloropropene	U		0.00116	0.00382	1	05/30/2024 22:19	WG2295815
trans-1,3-Dichloropropene	U		0.00174	0.00763	1	05/30/2024 22:19	WG2295815
2,2-Dichloropropane	U		0.00211	0.00382	1	05/30/2024 22:19	WG2295815
Di-isopropyl ether	U		0.000626	0.00153	1	05/30/2024 22:19	WG2295815
Ethylbenzene	7.10		0.0112	0.0382	10	06/02/2024 17:50	WG2297114
Hexachloro-1,3-butadiene	U		0.00916	0.0382	1	05/30/2024 22:19	WG2295815
Isopropylbenzene	1.13		0.000649	0.00382	1	05/30/2024 22:19	WG2295815
p-Isopropyltoluene	0.313		0.00389	0.00763	1	05/30/2024 22:19	WG2295815
2-Butanone (MEK)	U	J4	0.0969	0.153	1	05/30/2024 22:19	WG2295815
Methylene Chloride	U		0.0101	0.0382	1	05/30/2024 22:19	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00348	0.0382	1	05/30/2024 22:19	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000534	0.00153	1	05/30/2024 22:19	WG2295815
Naphthalene	2.84		0.00745	0.0191	1	05/30/2024 22:19	WG2295815
n-Propylbenzene	3.66		0.0145	0.0763	10	06/02/2024 17:50	WG2297114
Styrene	U		0.000350	0.0191	1	05/30/2024 22:19	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00145	0.00382	1	05/30/2024 22:19	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00106	0.00382	1	05/30/2024 22:19	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00382	1	05/30/2024 22:19	WG2295815
Tetrachloroethene	U		0.00137	0.00382	1	05/30/2024 22:19	WG2295815
Toluene	0.0928		0.00198	0.00763	1	05/30/2024 22:19	WG2295815
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	05/30/2024 22:19	WG2295815
1,2,4-Trichlorobenzene	U		0.00672	0.0191	1	05/30/2024 22:19	WG2295815
1,1,1-Trichloroethane	U		0.00141	0.00382	1	05/30/2024 22:19	WG2295815
1,1,2-Trichloroethane	U		0.000911	0.00382	1	05/30/2024 22:19	WG2295815
Trichloroethene	U		0.000891	0.00153	1	05/30/2024 22:19	WG2295815
Trichlorofluoromethane	U		0.00126	0.00382	1	05/30/2024 22:19	WG2295815
1,2,3-Trichloropropane	U		0.00247	0.0191	1	05/30/2024 22:19	WG2295815
1,2,4-Trimethylbenzene	0.0197		0.00241	0.00763	1	05/30/2024 22:19	WG2295815
1,2,3-Trimethylbenzene	1.06		0.00241	0.00763	1	05/30/2024 22:19	WG2295815
1,3,5-Trimethylbenzene	0.290		0.00305	0.00763	1	05/30/2024 22:19	WG2295815
Vinyl chloride	U		0.00177	0.00382	1	05/30/2024 22:19	WG2295815
Xylenes, Total	0.333		0.00134	0.00992	1	05/30/2024 22:19	WG2295815
(S) Toluene-d8	*130*			*75.0-131*		*05/30/2024 22:19*	WG2295815
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 17:50*	WG2297114
(S) 4-Bromofluorobenzene	*152*	J1		*67.0-138*		*05/30/2024 22:19*	WG2295815
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*06/02/2024 17:50*	WG2297114
(S) 1,2-Dichloroethane-d4	*86.1*			*70.0-130*		*05/30/2024 22:19*	WG2295815
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*06/02/2024 17:50*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	169		0.906	4.95	1	06/03/2024 15:41	WG2296787
C22-C32 Hydrocarbons	15.6		1.64	4.95	1	06/03/2024 15:41	WG2296787
C32-C40 Hydrocarbons	11.0		1.64	4.95	1	06/03/2024 15:41	WG2296787
(S) o-Terphenyl	*69.1*			*18.0-148*		*06/03/2024 15:41*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	05/27/2024 09:58	WG2293530

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.91	B J	1.33	3.99	25	05/30/2024 09:44	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*05/30/2024 09:44*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0593	0.0812	1	05/30/2024 22:41	WG2295815
Acrylonitrile	U		0.00586	0.0203	1	05/30/2024 22:41	WG2295815
Benzene	U		0.000759	0.00162	1	05/30/2024 22:41	WG2295815
Bromobenzene	U		0.00146	0.0203	1	05/30/2024 22:41	WG2295815
Bromodichloromethane	U		0.00118	0.00406	1	05/30/2024 22:41	WG2295815
Bromoform	U		0.00190	0.0406	1	05/30/2024 22:41	WG2295815
Bromomethane	U		0.00320	0.0203	1	05/30/2024 22:41	WG2295815
n-Butylbenzene	U		0.00853	0.0203	1	06/02/2024 16:32	WG2297114
sec-Butylbenzene	U		0.00468	0.0203	1	06/02/2024 16:32	WG2297114
tert-Butylbenzene	U	J4	0.00317	0.00812	1	05/30/2024 22:41	WG2295815
Carbon tetrachloride	U		0.00146	0.00812	1	05/30/2024 22:41	WG2295815
Chlorobenzene	U		0.000341	0.00406	1	05/30/2024 22:41	WG2295815
Chlorodibromomethane	U		0.000994	0.00406	1	05/30/2024 22:41	WG2295815
Chloroethane	U		0.00276	0.00812	1	05/30/2024 22:41	WG2295815
Chloroform	U		0.00167	0.00406	1	05/30/2024 22:41	WG2295815
Chloromethane	U		0.00707	0.0203	1	05/30/2024 22:41	WG2295815
2-Chlorotoluene	U		0.00141	0.00406	1	05/30/2024 22:41	WG2295815
4-Chlorotoluene	U		0.000731	0.00812	1	05/30/2024 22:41	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00633	0.0406	1	05/30/2024 22:41	WG2295815
1,2-Dibromoethane	U		0.00105	0.00406	1	05/30/2024 22:41	WG2295815
Dibromomethane	U		0.00122	0.00812	1	05/30/2024 22:41	WG2295815
1,2-Dichlorobenzene	U		0.000690	0.00812	1	05/30/2024 22:41	WG2295815
1,3-Dichlorobenzene	U		0.000975	0.00812	1	05/30/2024 22:41	WG2295815
1,4-Dichlorobenzene	U		0.00114	0.00812	1	05/30/2024 22:41	WG2295815
Dichlorodifluoromethane	U		0.00262	0.00812	1	05/30/2024 22:41	WG2295815
1,1-Dichloroethane	U		0.000798	0.00406	1	05/30/2024 22:41	WG2295815
1,2-Dichloroethane	U		0.00105	0.00406	1	05/30/2024 22:41	WG2295815
1,1-Dichloroethene	U		0.000984	0.00406	1	05/30/2024 22:41	WG2295815
cis-1,2-Dichloroethene	U		0.00119	0.00406	1	05/30/2024 22:41	WG2295815
trans-1,2-Dichloroethene	U		0.00169	0.00812	1	05/30/2024 22:41	WG2295815
1,2-Dichloropropane	U		0.00231	0.00812	1	05/30/2024 22:41	WG2295815
1,1-Dichloropropene	U		0.00131	0.00406	1	05/30/2024 22:41	WG2295815
1,3-Dichloropropane	U		0.000814	0.00812	1	05/30/2024 22:41	WG2295815
cis-1,3-Dichloropropene	U		0.00123	0.00406	1	05/30/2024 22:41	WG2295815
trans-1,3-Dichloropropene	U		0.00185	0.00812	1	05/30/2024 22:41	WG2295815
2,2-Dichloropropane	U		0.00224	0.00406	1	05/30/2024 22:41	WG2295815
Di-isopropyl ether	U		0.000666	0.00162	1	05/30/2024 22:41	WG2295815
Ethylbenzene	U		0.00120	0.00406	1	06/02/2024 16:32	WG2297114
Hexachloro-1,3-butadiene	U		0.00975	0.0406	1	05/30/2024 22:41	WG2295815
Isopropylbenzene	U		0.000690	0.00406	1	06/02/2024 16:32	WG2297114
p-Isopropyltoluene	U		0.00414	0.00812	1	06/02/2024 16:32	WG2297114
2-Butanone (MEK)	U	J4	0.103	0.162	1	05/30/2024 22:41	WG2295815
Methylene Chloride	U		0.0108	0.0406	1	05/30/2024 22:41	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00370	0.0406	1	05/30/2024 22:41	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000569	0.00162	1	05/30/2024 22:41	WG2295815
Naphthalene	U		0.00793	0.0203	1	06/02/2024 16:32	WG2297114
n-Propylbenzene	U		0.00154	0.00812	1	06/02/2024 16:32	WG2297114
Styrene	U		0.000372	0.0203	1	05/30/2024 22:41	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00154	0.00406	1	05/30/2024 22:41	WG2295815
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1	05/30/2024 22:41	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00406	1	05/30/2024 22:41	WG2295815
Tetrachloroethene	U		0.00146	0.00406	1	05/30/2024 22:41	WG2295815
Toluene	U		0.00211	0.00812	1	05/30/2024 22:41	WG2295815
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	05/30/2024 22:41	WG2295815
1,2,4-Trichlorobenzene	U		0.00715	0.0203	1	05/30/2024 22:41	WG2295815
1,1,1-Trichloroethane	U		0.00150	0.00406	1	05/30/2024 22:41	WG2295815
1,1,2-Trichloroethane	U		0.000970	0.00406	1	05/30/2024 22:41	WG2295815
Trichloroethene	U		0.000949	0.00162	1	05/30/2024 22:41	WG2295815
Trichlorofluoromethane	U		0.00134	0.00406	1	05/30/2024 22:41	WG2295815
1,2,3-Trichloropropane	U		0.00263	0.0203	1	05/30/2024 22:41	WG2295815
1,2,4-Trimethylbenzene	U		0.00257	0.00812	1	05/30/2024 22:41	WG2295815
1,2,3-Trimethylbenzene	U		0.00257	0.00812	1	06/02/2024 16:32	WG2297114
1,3,5-Trimethylbenzene	U		0.00325	0.00812	1	05/30/2024 22:41	WG2295815
Vinyl chloride	U		0.00188	0.00406	1	05/30/2024 22:41	WG2295815
Xylenes, Total	0.00325	J	0.00143	0.0106	1	05/30/2024 22:41	WG2295815
(S) Toluene-d8	*97.6*			*75.0-131*		*05/30/2024 22:41*	WG2295815
(S) Toluene-d8	*103*			*75.0-131*		*06/02/2024 16:32*	WG2297114
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*05/30/2024 22:41*	WG2295815
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/02/2024 16:32*	WG2297114
(S) 1,2-Dichloroethane-d4	*80.7*			*70.0-130*		*05/30/2024 22:41*	WG2295815
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*06/02/2024 16:32*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.932	5.09	1	06/03/2024 14:05	WG2296787
C22-C32 Hydrocarbons	U		1.69	5.09	1	06/03/2024 14:05	WG2296787
C32-C40 Hydrocarbons	U		1.69	5.09	1	06/03/2024 14:05	WG2296787
(S) o-Terphenyl	*47.8*			*18.0-148*		*06/03/2024 14:05*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	05/27/2024 09:51	WG2293531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	15.3		1.16	3.50	25	05/30/2024 10:30	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*05/30/2024 10:30*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0507	0.0694	1	05/30/2024 23:04	WG2295815
Acrylonitrile	U		0.00501	0.0174	1	05/30/2024 23:04	WG2295815
Benzene	U		0.000648	0.00139	1	05/30/2024 23:04	WG2295815
Bromobenzene	U		0.00125	0.0174	1	05/30/2024 23:04	WG2295815
Bromodichloromethane	U		0.00101	0.00347	1	05/30/2024 23:04	WG2295815
Bromoform	U		0.00162	0.0347	1	05/30/2024 23:04	WG2295815
Bromomethane	U		0.00274	0.0174	1	05/30/2024 23:04	WG2295815
n-Butylbenzene	U		0.00729	0.0174	1	06/02/2024 16:52	WG2297114
sec-Butylbenzene	U		0.00400	0.0174	1	05/30/2024 23:04	WG2295815
tert-Butylbenzene	U	J4	0.00271	0.00694	1	05/30/2024 23:04	WG2295815
Carbon tetrachloride	U		0.00125	0.00694	1	05/30/2024 23:04	WG2295815
Chlorobenzene	U		0.000292	0.00347	1	05/30/2024 23:04	WG2295815
Chlorodibromomethane	U		0.000850	0.00347	1	05/30/2024 23:04	WG2295815
Chloroethane	U		0.00236	0.00694	1	05/30/2024 23:04	WG2295815
Chloroform	U		0.00143	0.00347	1	05/30/2024 23:04	WG2295815
Chloromethane	U		0.00604	0.0174	1	05/30/2024 23:04	WG2295815
2-Chlorotoluene	U		0.00120	0.00347	1	05/30/2024 23:04	WG2295815
4-Chlorotoluene	U		0.000625	0.00694	1	05/30/2024 23:04	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.00542	0.0347	1	05/30/2024 23:04	WG2295815
1,2-Dibromoethane	U		0.000900	0.00347	1	05/30/2024 23:04	WG2295815
Dibromomethane	U		0.00104	0.00694	1	05/30/2024 23:04	WG2295815
1,2-Dichlorobenzene	U		0.000590	0.00694	1	05/30/2024 23:04	WG2295815
1,3-Dichlorobenzene	U		0.000833	0.00694	1	05/30/2024 23:04	WG2295815
1,4-Dichlorobenzene	U		0.000972	0.00694	1	05/30/2024 23:04	WG2295815
Dichlorodifluoromethane	U		0.00224	0.00694	1	05/30/2024 23:04	WG2295815
1,1-Dichloroethane	U		0.000682	0.00347	1	05/30/2024 23:04	WG2295815
1,2-Dichloroethane	U		0.000901	0.00347	1	05/30/2024 23:04	WG2295815
1,1-Dichloroethene	U		0.000841	0.00347	1	05/30/2024 23:04	WG2295815
cis-1,2-Dichloroethene	U		0.00102	0.00347	1	05/30/2024 23:04	WG2295815
trans-1,2-Dichloroethene	U		0.00144	0.00694	1	05/30/2024 23:04	WG2295815
1,2-Dichloropropane	U		0.00197	0.00694	1	05/30/2024 23:04	WG2295815
1,1-Dichloropropene	U		0.00112	0.00347	1	05/30/2024 23:04	WG2295815
1,3-Dichloropropane	U		0.000696	0.00694	1	05/30/2024 23:04	WG2295815
cis-1,3-Dichloropropene	U		0.00105	0.00347	1	05/30/2024 23:04	WG2295815
trans-1,3-Dichloropropene	U		0.00158	0.00694	1	05/30/2024 23:04	WG2295815
2,2-Dichloropropane	U		0.00192	0.00347	1	05/30/2024 23:04	WG2295815
Di-isopropyl ether	U		0.000569	0.00139	1	05/30/2024 23:04	WG2295815
Ethylbenzene	U		0.00102	0.00347	1	06/02/2024 16:52	WG2297114
Hexachloro-1,3-butadiene	U		0.00833	0.0347	1	05/30/2024 23:04	WG2295815
Isopropylbenzene	U		0.000590	0.00347	1	06/02/2024 16:52	WG2297114
p-Isopropyltoluene	U		0.00354	0.00694	1	05/30/2024 23:04	WG2295815
2-Butanone (MEK)	U	J4	0.0882	0.139	1	05/30/2024 23:04	WG2295815
Methylene Chloride	U		0.00922	0.0347	1	05/30/2024 23:04	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.00317	0.0347	1	05/30/2024 23:04	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000486	0.00139	1	05/30/2024 23:04	WG2295815
Naphthalene	U		0.00678	0.0174	1	05/30/2024 23:04	WG2295815
n-Propylbenzene	U		0.00132	0.00694	1	06/02/2024 16:52	WG2297114
Styrene	U		0.000318	0.0174	1	05/30/2024 23:04	WG2295815
1,1,1,2-Tetrachloroethane	U		0.00132	0.00347	1	05/30/2024 23:04	WG2295815
1,1,2,2-Tetrachloroethane	U		0.000965	0.00347	1	05/30/2024 23:04	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.00105	0.00347	1	05/30/2024 23:04	WG2295815
Tetrachloroethene	U		0.00124	0.00347	1	05/30/2024 23:04	WG2295815
Toluene	U		0.00181	0.00694	1	05/30/2024 23:04	WG2295815
1,2,3-Trichlorobenzene	U		0.0102	0.0174	1	05/30/2024 23:04	WG2295815
1,2,4-Trichlorobenzene	U		0.00611	0.0174	1	05/30/2024 23:04	WG2295815
1,1,1-Trichloroethane	U		0.00128	0.00347	1	05/30/2024 23:04	WG2295815
1,1,2-Trichloroethane	U		0.000829	0.00347	1	05/30/2024 23:04	WG2295815
Trichloroethene	U		0.000811	0.00139	1	05/30/2024 23:04	WG2295815
Trichlorofluoromethane	U		0.00115	0.00347	1	05/30/2024 23:04	WG2295815
1,2,3-Trichloropropane	U		0.00225	0.0174	1	05/30/2024 23:04	WG2295815
1,2,4-Trimethylbenzene	U		0.00219	0.00694	1	05/30/2024 23:04	WG2295815
1,2,3-Trimethylbenzene	U		0.00219	0.00694	1	05/30/2024 23:04	WG2295815
1,3,5-Trimethylbenzene	U		0.00278	0.00694	1	05/30/2024 23:04	WG2295815
Vinyl chloride	U		0.00161	0.00347	1	05/30/2024 23:04	WG2295815
Xylenes, Total	U		0.00122	0.00903	1	05/30/2024 23:04	WG2295815
(S) Toluene-d8	*96.0*			*75.0-131*		*05/30/2024 23:04*	WG2295815
(S) Toluene-d8	*98.1*			*75.0-131*		*06/02/2024 16:52*	WG2297114
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*05/30/2024 23:04*	WG2295815
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/02/2024 16:52*	WG2297114
(S) 1,2-Dichloroethane-d4	*78.3*			*70.0-130*		*05/30/2024 23:04*	WG2295815
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*06/02/2024 16:52*	WG2297114

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.95	J	0.859	4.69	1	06/03/2024 14:19	WG2296787
C22-C32 Hydrocarbons	U		1.56	4.69	1	06/03/2024 14:19	WG2296787
C32-C40 Hydrocarbons	U		1.56	4.69	1	06/03/2024 14:19	WG2296787
(S) o-Terphenyl	*48.3*			*18.0-148*		*06/03/2024 14:19*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	05/27/2024 09:51	WG2293531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	343		11.6	35.0	250	05/30/2024 21:44	WG2295674
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*77.0-120*		*05/30/2024 21:44*	WG2295674

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.02	1.40	20	05/31/2024 00:54	WG2295815
Acrylonitrile	U		0.101	0.351	20	05/31/2024 00:54	WG2295815
Benzene	U		0.0131	0.0280	20	05/31/2024 00:54	WG2295815
Bromobenzene	U		0.0252	0.351	20	05/31/2024 00:54	WG2295815
Bromodichloromethane	U		0.0203	0.0701	20	05/31/2024 00:54	WG2295815
Bromoform	U		0.0328	0.701	20	05/31/2024 00:54	WG2295815
Bromomethane	U		0.0553	0.351	20	05/31/2024 00:54	WG2295815
n-Butylbenzene	0.510		0.147	0.351	20	05/31/2024 00:54	WG2295815
sec-Butylbenzene	0.474		0.0808	0.351	20	05/31/2024 00:54	WG2295815
tert-Butylbenzene	U	J4	0.0547	0.140	20	05/31/2024 00:54	WG2295815
Carbon tetrachloride	U		0.0252	0.140	20	05/31/2024 00:54	WG2295815
Chlorobenzene	U		0.00589	0.0701	20	05/31/2024 00:54	WG2295815
Chlorodibromomethane	U		0.0171	0.0701	20	05/31/2024 00:54	WG2295815
Chloroethane	U		0.0477	0.140	20	05/31/2024 00:54	WG2295815
Chloroform	U		0.0289	0.0701	20	05/31/2024 00:54	WG2295815
Chloromethane	U		0.122	0.351	20	05/31/2024 00:54	WG2295815
2-Chlorotoluene	U		0.0243	0.0701	20	05/31/2024 00:54	WG2295815
4-Chlorotoluene	U		0.0126	0.140	20	05/31/2024 00:54	WG2295815
1,2-Dibromo-3-Chloropropane	U		0.109	0.701	20	05/31/2024 00:54	WG2295815
1,2-Dibromoethane	U		0.0182	0.0701	20	05/31/2024 00:54	WG2295815
Dibromomethane	U		0.0210	0.140	20	05/31/2024 00:54	WG2295815
1,2-Dichlorobenzene	U		0.0119	0.140	20	05/31/2024 00:54	WG2295815
1,3-Dichlorobenzene	U		0.0168	0.140	20	05/31/2024 00:54	WG2295815
1,4-Dichlorobenzene	U		0.0196	0.140	20	05/31/2024 00:54	WG2295815
Dichlorodifluoromethane	U		0.0452	0.140	20	05/31/2024 00:54	WG2295815
1,1-Dichloroethane	U		0.0138	0.0701	20	05/31/2024 00:54	WG2295815
1,2-Dichloroethane	U		0.0182	0.0701	20	05/31/2024 00:54	WG2295815
1,1-Dichloroethene	U		0.0170	0.0701	20	05/31/2024 00:54	WG2295815
cis-1,2-Dichloroethene	U		0.0206	0.0701	20	05/31/2024 00:54	WG2295815
trans-1,2-Dichloroethene	U		0.0292	0.140	20	05/31/2024 00:54	WG2295815
1,2-Dichloropropane	U		0.0398	0.140	20	05/31/2024 00:54	WG2295815
1,1-Dichloropropene	U		0.0227	0.0701	20	05/31/2024 00:54	WG2295815
1,3-Dichloropropane	U		0.0140	0.140	20	05/31/2024 00:54	WG2295815
cis-1,3-Dichloropropene	U		0.0212	0.0701	20	05/31/2024 00:54	WG2295815
trans-1,3-Dichloropropene	U		0.0320	0.140	20	05/31/2024 00:54	WG2295815
2,2-Dichloropropane	U		0.0387	0.0701	20	05/31/2024 00:54	WG2295815
Di-isopropyl ether	U		0.0115	0.0280	20	05/31/2024 00:54	WG2295815
Ethylbenzene	0.0655	J	0.0206	0.0701	20	05/31/2024 00:54	WG2295815
Hexachloro-1,3-butadiene	U		0.168	0.701	20	05/31/2024 00:54	WG2295815
Isopropylbenzene	0.142		0.0119	0.0701	20	05/31/2024 00:54	WG2295815
p-Isopropyltoluene	0.116	J	0.0715	0.140	20	05/31/2024 00:54	WG2295815
2-Butanone (MEK)	U	J4	1.78	2.80	20	05/31/2024 00:54	WG2295815
Methylene Chloride	U		0.187	0.701	20	05/31/2024 00:54	WG2295815
4-Methyl-2-pentanone (MIBK)	U		0.0639	0.701	20	05/31/2024 00:54	WG2295815

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00982	0.0280	20	05/31/2024 00:54	WG2295815
Naphthalene	0.213	J	0.137	0.351	20	05/31/2024 00:54	WG2295815
n-Propylbenzene	0.188		0.0266	0.140	20	05/31/2024 00:54	WG2295815
Styrene	U		0.00642	0.351	20	05/31/2024 00:54	WG2295815
1,1,1,2-Tetrachloroethane	U		0.0266	0.0701	20	05/31/2024 00:54	WG2295815
1,1,2,2-Tetrachloroethane	U		0.0195	0.0701	20	05/31/2024 00:54	WG2295815
1,1,2-Trichlorotrifluoroethane	U		0.0212	0.0701	20	05/31/2024 00:54	WG2295815
Tetrachloroethene	U		0.0251	0.0701	20	05/31/2024 00:54	WG2295815
Toluene	U		0.0365	0.140	20	05/31/2024 00:54	WG2295815
1,2,3-Trichlorobenzene	U		0.206	0.351	20	05/31/2024 00:54	WG2295815
1,2,4-Trichlorobenzene	U		0.123	0.351	20	05/31/2024 00:54	WG2295815
1,1,1-Trichloroethane	U		0.0259	0.0701	20	05/31/2024 00:54	WG2295815
1,1,2-Trichloroethane	U		0.0167	0.0701	20	05/31/2024 00:54	WG2295815
Trichloroethene	U		0.0164	0.0280	20	05/31/2024 00:54	WG2295815
Trichlorofluoromethane	U		0.0231	0.0701	20	05/31/2024 00:54	WG2295815
1,2,3-Trichloropropane	U		0.0454	0.351	20	05/31/2024 00:54	WG2295815
1,2,4-Trimethylbenzene	U		0.0443	0.140	20	05/31/2024 00:54	WG2295815
1,2,3-Trimethylbenzene	U		0.0443	0.140	20	05/31/2024 00:54	WG2295815
1,3,5-Trimethylbenzene	U		0.0561	0.140	20	05/31/2024 00:54	WG2295815
Vinyl chloride	U		0.0325	0.0701	20	05/31/2024 00:54	WG2295815
Xylenes, Total	U		0.0247	0.182	20	05/31/2024 00:54	WG2295815
(S) Toluene-d8	*95.7*			*75.0-131*		*05/31/2024 00:54*	WG2295815
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*05/31/2024 00:54*	WG2295815
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*05/31/2024 00:54*	WG2295815

Sample Narrative:

L1740224-18 WG2295815: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	17.6		0.860	4.69	1	06/03/2024 14:33	WG2296787
C22-C32 Hydrocarbons	U		1.56	4.69	1	06/03/2024 14:33	WG2296787
C32-C40 Hydrocarbons	U		1.56	4.69	1	06/03/2024 14:33	WG2296787
(S) o-Terphenyl	*48.8*			*18.0-148*		*06/03/2024 14:33*	WG2296787

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	05/31/2024 23:47	WG2296577
Acrolein	U		2.54	50.0	1	05/31/2024 23:47	WG2296577
Acrylonitrile	U		0.671	10.0	1	05/31/2024 23:47	WG2296577
Benzene	U		0.0941	1.00	1	05/31/2024 23:47	WG2296577
Bromobenzene	U		0.118	1.00	1	05/31/2024 23:47	WG2296577
Bromodichloromethane	U		0.136	1.00	1	05/31/2024 23:47	WG2296577
Bromoform	U		0.129	1.00	1	05/31/2024 23:47	WG2296577
Bromomethane	U		0.605	5.00	1	05/31/2024 23:47	WG2296577
n-Butylbenzene	U		0.157	1.00	1	05/31/2024 23:47	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	05/31/2024 23:47	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	05/31/2024 23:47	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	05/31/2024 23:47	WG2296577
Chlorobenzene	U		0.116	1.00	1	05/31/2024 23:47	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	05/31/2024 23:47	WG2296577
Chloroethane	U		0.192	5.00	1	05/31/2024 23:47	WG2296577
Chloroform	U		0.111	5.00	1	05/31/2024 23:47	WG2296577
Chloromethane	U		0.960	2.50	1	05/31/2024 23:47	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	05/31/2024 23:47	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	05/31/2024 23:47	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/31/2024 23:47	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	05/31/2024 23:47	WG2296577
Dibromomethane	U		0.122	1.00	1	05/31/2024 23:47	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	05/31/2024 23:47	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	05/31/2024 23:47	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	05/31/2024 23:47	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	05/31/2024 23:47	WG2296577
1,1-Dichloroethane	U		0.100	1.00	1	05/31/2024 23:47	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	05/31/2024 23:47	WG2296577
1,1-Dichloroethene	U		0.188	1.00	1	05/31/2024 23:47	WG2296577
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/31/2024 23:47	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/31/2024 23:47	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	05/31/2024 23:47	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	05/31/2024 23:47	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	05/31/2024 23:47	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/31/2024 23:47	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/31/2024 23:47	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	05/31/2024 23:47	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	05/31/2024 23:47	WG2296577
Ethylbenzene	U		0.137	1.00	1	05/31/2024 23:47	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/31/2024 23:47	WG2296577
Isopropylbenzene	U		0.105	1.00	1	05/31/2024 23:47	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	05/31/2024 23:47	WG2296577
2-Butanone (MEK)	U		1.19	10.0	1	05/31/2024 23:47	WG2296577
Methylene Chloride	U		0.430	5.00	1	05/31/2024 23:47	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/31/2024 23:47	WG2296577
Methyl tert-butyl ether	U		0.101	1.00	1	05/31/2024 23:47	WG2296577
Naphthalene	U		1.00	5.00	1	05/31/2024 23:47	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	05/31/2024 23:47	WG2296577
Styrene	U		0.118	1.00	1	05/31/2024 23:47	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	05/31/2024 23:47	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/31/2024 23:47	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/31/2024 23:47	WG2296577
Tetrachloroethene	U		0.300	1.00	1	05/31/2024 23:47	WG2296577
Toluene	U		0.278	1.00	1	05/31/2024 23:47	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/31/2024 23:47	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/31/2024 23:47	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	05/31/2024 23:47	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	05/31/2024 23:47	WG2296577
Trichloroethene	U		0.190	1.00	1	05/31/2024 23:47	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	05/31/2024 23:47	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	05/31/2024 23:47	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	05/31/2024 23:47	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	05/31/2024 23:47	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	05/31/2024 23:47	WG2296577
Vinyl chloride	U		0.234	1.00	1	05/31/2024 23:47	WG2296577
Xylenes, Total	U		0.174	3.00	1	05/31/2024 23:47	WG2296577
(S) Toluene-d8	*102*			*80.0-120*		*05/31/2024 23:47*	WG2296577
(S) 4-Bromofluorobenzene	*115*			*77.0-126*		*05/31/2024 23:47*	WG2296577
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*		*05/31/2024 23:47*	WG2296577

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/26/2024 18:26	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:45	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	U		0.736	5.00	1	06/03/2024 17:01	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:01	WG2296300
Chromium,Dissolved	U		1.40	10.0	1	06/03/2024 17:01	WG2296300
Cobalt,Dissolved	1.11	B J	0.840	10.0	1	06/03/2024 17:01	WG2296300
Molybdenum,Dissolved	U		1.16	5.00	1	06/03/2024 17:01	WG2296300
Vanadium,Dissolved	U		4.99	20.0	1	06/03/2024 17:01	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	1.84	J	1.03	4.00	1	06/12/2024 22:24	WG2296474
Antimony,Dissolved	U		1.03	4.00	1	06/15/2024 13:12	WG2296356
Arsenic	U		0.180	2.00	1	06/12/2024 22:24	WG2296474
Arsenic,Dissolved	U		0.180	2.00	1	06/15/2024 13:12	WG2296356
Barium	U		0.381	2.00	1	06/12/2024 22:24	WG2296474
Beryllium	U		0.190	2.00	1	06/12/2024 22:24	WG2296474
Cadmium	U		0.150	1.00	1	06/12/2024 22:24	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:12	WG2296356
Chromium	U		1.24	2.00	1	06/12/2024 22:24	WG2296474
Copper	U		1.51	5.00	1	06/12/2024 22:24	WG2296474
Copper,Dissolved	U		1.51	5.00	1	06/15/2024 13:12	WG2296356
Cobalt	U		0.0596	2.00	1	06/12/2024 22:24	WG2296474
Lead	U		0.849	2.00	1	06/12/2024 22:24	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:12	WG2296356
Molybdenum	U		0.348	5.00	1	06/12/2024 22:24	WG2296474
Nickel	U		0.816	2.00	1	06/12/2024 22:24	WG2296474
Nickel,Dissolved	U		0.816	2.00	1	06/15/2024 13:12	WG2296356
Selenium	U		0.300	2.00	1	06/12/2024 22:24	WG2296474
Selenium,Dissolved	U		0.300	2.00	1	06/15/2024 13:12	WG2296356
Silver	U		0.0700	2.00	1	06/12/2024 22:24	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:12	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:24	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:12	WG2296356
Vanadium	U		0.664	5.00	1	06/12/2024 22:24	WG2296474
Zinc	U		3.02	25.0	1	06/12/2024 22:24	WG2296474
Zinc,Dissolved	U		3.02	25.0	1	06/15/2024 13:12	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	60.0	B J	30.4	100	1	05/29/2024 13:13	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*78.0-120*		*05/29/2024 13:13*	WG2294783

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/01/2024 00:45	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 00:45	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 00:45	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 00:45	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 00:45	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 00:45	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 00:45	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 00:45	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 00:45	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 00:45	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 00:45	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 00:45	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 00:45	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 00:45	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 00:45	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 00:45	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 00:45	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 00:45	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 00:45	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 00:45	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 00:45	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 00:45	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 00:45	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 00:45	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 00:45	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 00:45	WG2296577
1,1-Dichloroethane	U		0.100	1.00	1	06/01/2024 00:45	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 00:45	WG2296577
1,1-Dichloroethene	U		0.188	1.00	1	06/01/2024 00:45	WG2296577
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/01/2024 00:45	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 00:45	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 00:45	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 00:45	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 00:45	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 00:45	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 00:45	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 00:45	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 00:45	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 00:45	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 00:45	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 00:45	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 00:45	WG2296577
2-Butanone (MEK)	1.22	J	1.19	10.0	1	06/01/2024 00:45	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 00:45	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 00:45	WG2296577
Methyl tert-butyl ether	U		0.101	1.00	1	06/01/2024 00:45	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 00:45	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 00:45	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 00:45	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 00:45	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 00:45	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 00:45	WG2296577
Tetrachloroethene	U		0.300	1.00	1	06/01/2024 00:45	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 00:45	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 00:45	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 00:45	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 00:45	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 00:45	WG2296577
Trichloroethene	U		0.190	1.00	1	06/01/2024 00:45	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 00:45	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 00:45	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 00:45	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 00:45	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 00:45	WG2296577
Vinyl chloride	U		0.234	1.00	1	06/01/2024 00:45	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 00:45	WG2296577
(S) Toluene-d8	*104*			*80.0-120*		*06/01/2024 00:45*	WG2296577
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*06/01/2024 00:45*	WG2296577
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*06/01/2024 00:45*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	36.5	J	33.0	100	1	05/30/2024 09:05	WG2294852
C22-C32 Hydrocarbons	33.9	J	33.0	100	1	05/30/2024 09:05	WG2294852
C32-C40 Hydrocarbons	U		33.0	100	1	05/30/2024 09:05	WG2294852
(S) o-Terphenyl	*67.9*			*52.0-156*		*05/30/2024 09:05*	WG2294852

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	05/27/2024 09:51	WG2293531

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0706		0.0197	0.0438	1	05/26/2024 20:15	WG2293345

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.22	J	0.595	2.19	1	06/04/2024 23:52	WG2298458
Arsenic	7.14		0.567	2.19	1	06/04/2024 23:52	WG2298458
Barium	110		0.0932	0.547	1	06/04/2024 23:52	WG2298458
Beryllium	0.173	J	0.0345	0.219	1	06/04/2024 23:52	WG2298458
Cadmium	0.859		0.0515	0.547	1	06/04/2024 23:52	WG2298458
Chromium	22.0		0.146	1.09	1	06/04/2024 23:52	WG2298458
Cobalt	5.96		0.0888	1.09	1	06/04/2024 23:52	WG2298458
Copper	23.3		0.438	2.19	1	06/04/2024 23:52	WG2298458
Lead	220		0.228	0.547	1	06/04/2024 23:52	WG2298458
Molybdenum	1.25		0.119	0.547	1	06/04/2024 23:52	WG2298458
Nickel	20.2		0.144	2.19	1	06/04/2024 23:52	WG2298458
Selenium	U		0.836	2.19	1	06/04/2024 23:52	WG2298458
Silver	4.88		0.139	1.09	1	06/05/2024 13:43	WG2298458
Thallium	0.945	J	0.431	2.19	1	06/04/2024 23:52	WG2298458
Vanadium	22.0		0.554	2.19	1	06/04/2024 23:52	WG2298458
Zinc	151		0.911	5.47	1	06/04/2024 23:52	WG2298458

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.129	0.372	10	06/01/2024 16:52	WG2296622
PCB 1221	U		0.129	0.372	10	06/01/2024 16:52	WG2296622
PCB 1232	U		0.129	0.372	10	06/01/2024 16:52	WG2296622
PCB 1242	U		0.129	0.372	10	06/01/2024 16:52	WG2296622
PCB 1248	U		0.0808	0.186	10	06/01/2024 16:52	WG2296622
PCB 1254	U		0.0808	0.186	10	06/01/2024 16:52	WG2296622
PCB 1260	U		0.0808	0.186	10	06/01/2024 16:52	WG2296622
(S) Decachlorobiphenyl	*93.8*			*10.0-135*		*06/01/2024 16:52*	WG2296622
(S) Tetrachloro-m-xylene	*84.9*			*10.0-139*		*06/01/2024 16:52*	WG2296622

Sample Narrative:

L1740224-21 WG2296622: Dilution due to matrix

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0294	0.183	5	06/02/2024 16:25	WG2296790
Acenaphthylene	U		0.0256	0.183	5	06/02/2024 16:25	WG2296790
Anthracene	U		0.0325	0.183	5	06/02/2024 16:25	WG2296790
Benzidine	U	J6	0.343	9.14	5	06/02/2024 16:25	WG2296790
Benzo(a)anthracene	U		0.0321	0.183	5	06/02/2024 16:25	WG2296790
Benzo(b)fluoranthene	0.0541	J	0.0340	0.183	5	06/02/2024 16:25	WG2296790
Benzo(k)fluoranthene	U		0.0324	0.183	5	06/02/2024 16:25	WG2296790
Benzo(g,h,i)perylene	U		0.0334	0.183	5	06/02/2024 16:25	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0399	J	0.0338	0.183	5	06/02/2024 16:25	WG2296790
Bis(2-chlorethoxy)methane	U		0.0547	1.83	5	06/02/2024 16:25	WG2296790
Bis(2-chloroethyl)ether	U		0.0602	1.83	5	06/02/2024 16:25	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0788	1.83	5	06/02/2024 16:25	WG2296790
4-Bromophenyl-phenylether	U		0.0640	1.83	5	06/02/2024 16:25	WG2296790
2-Chloronaphthalene	U		0.0321	0.183	5	06/02/2024 16:25	WG2296790
4-Chlorophenyl-phenylether	U		0.0635	1.83	5	06/02/2024 16:25	WG2296790
Chrysene	U		0.0362	0.183	5	06/02/2024 16:25	WG2296790
Dibenz(a,h)anthracene	U		0.0506	0.183	5	06/02/2024 16:25	WG2296790
1,2-Dichlorobenzene	U		0.0541	1.83	5	06/02/2024 16:25	WG2296790
1,3-Dichlorobenzene	U		0.0553	1.83	5	06/02/2024 16:25	WG2296790
1,4-Dichlorobenzene	U		0.0543	1.83	5	06/02/2024 16:25	WG2296790
3,3-Dichlorobenzidine	U		0.0673	1.83	5	06/02/2024 16:25	WG2296790
2,4-Dinitrotoluene	U		0.0523	1.83	5	06/02/2024 16:25	WG2296790
2,6-Dinitrotoluene	U		0.0596	1.83	5	06/02/2024 16:25	WG2296790
Fluoranthene	0.0484	J	0.0329	0.183	5	06/02/2024 16:25	WG2296790
Fluorene	U		0.0297	0.183	5	06/02/2024 16:25	WG2296790
Hexachlorobenzene	U	J6	0.0646	1.83	5	06/02/2024 16:25	WG2296790
Hexachloro-1,3-butadiene	U		0.0613	1.83	5	06/02/2024 16:25	WG2296790
Hexachlorocyclopentadiene	U	J6	0.0958	1.83	5	06/02/2024 16:25	WG2296790
Hexachloroethane	U		0.0717	1.83	5	06/02/2024 16:25	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0515	0.183	5	06/02/2024 16:25	WG2296790
Isophorone	U		0.0558	1.83	5	06/02/2024 16:25	WG2296790
Naphthalene	0.0502	J	0.0457	0.183	5	06/02/2024 16:25	WG2296790
Nitrobenzene	U		0.0635	1.83	5	06/02/2024 16:25	WG2296790
n-Nitrosodimethylamine	U	J6	0.270	1.83	5	06/02/2024 16:25	WG2296790
n-Nitrosodiphenylamine	U		0.138	1.83	5	06/02/2024 16:25	WG2296790
n-Nitrosodi-n-propylamine	U		0.0607	1.83	5	06/02/2024 16:25	WG2296790
Phenanthrene	0.0415	J	0.0362	0.183	5	06/02/2024 16:25	WG2296790
Benzylbutyl phthalate	U		0.0569	1.83	5	06/02/2024 16:25	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.231	1.83	5	06/02/2024 16:25	WG2296790
Di-n-butyl phthalate	U		0.0624	1.83	5	06/02/2024 16:25	WG2296790
Diethyl phthalate	U		0.0602	1.83	5	06/02/2024 16:25	WG2296790
Dimethyl phthalate	U		0.386	1.83	5	06/02/2024 16:25	WG2296790
Di-n-octyl phthalate	U		0.124	1.83	5	06/02/2024 16:25	WG2296790
Pyrene	0.0487	J J3	0.0355	0.183	5	06/02/2024 16:25	WG2296790
1,2,4-Trichlorobenzene	U		0.0569	1.83	5	06/02/2024 16:25	WG2296790
4-Chloro-3-methylphenol	U		0.0591	1.83	5	06/02/2024 16:25	WG2296790
2-Chlorophenol	U		0.0602	1.83	5	06/02/2024 16:25	WG2296790
2,4-Dichlorophenol	U		0.0531	1.83	5	06/02/2024 16:25	WG2296790
2,4-Dimethylphenol	U		0.0476	1.83	5	06/02/2024 16:25	WG2296790
4,6-Dinitro-2-methylphenol	U		0.414	1.83	5	06/02/2024 16:25	WG2296790
2,4-Dinitrophenol	U	J6	0.426	1.83	5	06/02/2024 16:25	WG2296790
2-Nitrophenol	U		0.0651	1.83	5	06/02/2024 16:25	WG2296790
4-Nitrophenol	U		0.0569	1.83	5	06/02/2024 16:25	WG2296790
Pentachlorophenol	U		0.0490	1.83	5	06/02/2024 16:25	WG2296790
Phenol	U		0.0733	1.83	5	06/02/2024 16:25	WG2296790
2,4,6-Trichlorophenol	U		0.0586	1.83	5	06/02/2024 16:25	WG2296790
(S) 2-Fluorophenol	*53.3*			*12.0-120*		*06/02/2024 16:25*	WG2296790
(S) Phenol-d5	*51.5*			*10.0-120*		*06/02/2024 16:25*	WG2296790
(S) Nitrobenzene-d5	*41.1*			*10.0-122*		*06/02/2024 16:25*	WG2296790
(S) 2-Fluorobiphenyl	*45.3*			*15.0-120*		*06/02/2024 16:25*	WG2296790
(S) 2,4,6-Tribromophenol	*40.1*			*10.0-127*		*06/02/2024 16:25*	WG2296790
(S) p-Terphenyl-d14	*45.9*			*10.0-120*		*06/02/2024 16:25*	WG2296790

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1740224-21 WG2296790: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	05/27/2024 09:51	WG2293531

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0220	0.0489	1	05/28/2024 19:03	WG2293719

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.82		0.664	2.44	1	06/04/2024 23:54	WG2298458
Arsenic	4.37		0.633	2.44	1	06/04/2024 23:54	WG2298458
Barium	560		0.104	0.611	1	06/04/2024 23:54	WG2298458
Beryllium	1.31		0.0385	0.244	1	06/04/2024 23:54	WG2298458
Cadmium	14.7		0.0575	0.611	1	06/04/2024 23:54	WG2298458
Chromium	103		0.162	1.22	1	06/04/2024 23:54	WG2298458
Cobalt	1.83		0.0991	1.22	1	06/04/2024 23:54	WG2298458
Copper	92.7		0.489	2.44	1	06/04/2024 23:54	WG2298458
Lead	4890		1.27	3.05	5	06/05/2024 14:00	WG2298458
Molybdenum	7.35		0.133	0.611	1	06/04/2024 23:54	WG2298458
Nickel	19.4		0.161	2.44	1	06/04/2024 23:54	WG2298458
Selenium	U		0.933	2.44	1	06/04/2024 23:54	WG2298458
Silver	75.5		0.155	1.22	1	06/05/2024 14:03	WG2298458
Thallium	U		2.41	12.2	5	06/05/2024 14:00	WG2298458
Vanadium	36.2		0.618	2.44	1	06/04/2024 23:54	WG2298458
Zinc	4510		5.08	30.5	5	06/05/2024 14:00	WG2298458

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0536	0.0734	1	05/31/2024 02:02	WG2295920
Acrylonitrile	U		0.00530	0.0183	1	05/31/2024 02:02	WG2295920
Benzene	0.307		0.000685	0.00147	1	05/31/2024 02:02	WG2295920
Bromobenzene	U		0.00132	0.0183	1	05/31/2024 02:02	WG2295920
Bromodichloromethane	U		0.00106	0.00367	1	05/31/2024 02:02	WG2295920
Bromoform	U		0.00172	0.0367	1	05/31/2024 02:02	WG2295920
Bromomethane	U		0.00289	0.0183	1	05/31/2024 02:02	WG2295920
n-Butylbenzene	U		0.00770	0.0183	1	05/31/2024 02:02	WG2295920
sec-Butylbenzene	U		0.00423	0.0183	1	05/31/2024 02:02	WG2295920
tert-Butylbenzene	U		0.00286	0.00734	1	05/31/2024 02:02	WG2295920
Carbon tetrachloride	U		0.00132	0.00734	1	05/31/2024 02:02	WG2295920
Chlorobenzene	U		0.000308	0.00367	1	05/31/2024 02:02	WG2295920
Chlorodibromomethane	U		0.000898	0.00367	1	05/31/2024 02:02	WG2295920
Chloroethane	U		0.00249	0.00734	1	05/31/2024 02:02	WG2295920
Chloroform	U		0.00151	0.00367	1	05/31/2024 02:02	WG2295920
Chloromethane	U		0.00638	0.0183	1	05/31/2024 02:02	WG2295920
2-Chlorotoluene	U		0.00127	0.00367	1	05/31/2024 02:02	WG2295920
4-Chlorotoluene	U		0.000660	0.00734	1	05/31/2024 02:02	WG2295920
1,2-Dibromo-3-Chloropropane	U		0.00572	0.0367	1	05/31/2024 02:02	WG2295920
1,2-Dibromoethane	U		0.000951	0.00367	1	05/31/2024 02:02	WG2295920
Dibromomethane	U		0.00110	0.00734	1	05/31/2024 02:02	WG2295920
1,2-Dichlorobenzene	0.00238	J	0.000624	0.00734	1	05/31/2024 02:02	WG2295920
1,3-Dichlorobenzene	U		0.000881	0.00734	1	05/31/2024 02:02	WG2295920
1,4-Dichlorobenzene	U		0.00103	0.00734	1	05/31/2024 02:02	WG2295920

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00236	0.00734	1	05/31/2024 02:02	WG2295920
1,1-Dichloroethane	0.0725		0.000721	0.00367	1	05/31/2024 02:02	WG2295920
1,2-Dichloroethane	U		0.000952	0.00367	1	05/31/2024 02:02	WG2295920
1,1-Dichloroethene	U		0.000889	0.00367	1	05/31/2024 02:02	WG2295920
cis-1,2-Dichloroethene	U		0.00108	0.00367	1	05/31/2024 02:02	WG2295920
trans-1,2-Dichloroethene	U		0.00153	0.00734	1	05/31/2024 02:02	WG2295920
1,2-Dichloropropane	U		0.00208	0.00734	1	05/31/2024 02:02	WG2295920
1,1-Dichloropropene	U		0.00119	0.00367	1	05/31/2024 02:02	WG2295920
1,3-Dichloropropane	U		0.000735	0.00734	1	05/31/2024 02:02	WG2295920
cis-1,3-Dichloropropene	U		0.00111	0.00367	1	05/31/2024 02:02	WG2295920
trans-1,3-Dichloropropene	U		0.00167	0.00734	1	05/31/2024 02:02	WG2295920
2,2-Dichloropropane	U		0.00203	0.00367	1	05/31/2024 02:02	WG2295920
Di-isopropyl ether	U		0.000602	0.00147	1	05/31/2024 02:02	WG2295920
Ethylbenzene	0.119		0.00108	0.00367	1	05/31/2024 02:02	WG2295920
Hexachloro-1,3-butadiene	U		0.00881	0.0367	1	05/31/2024 02:02	WG2295920
Isopropylbenzene	0.0178		0.000624	0.00367	1	05/31/2024 02:02	WG2295920
p-Isopropyltoluene	0.0346		0.00374	0.00734	1	05/31/2024 02:02	WG2295920
2-Butanone (MEK)	U		0.0932	0.147	1	05/31/2024 02:02	WG2295920
Methylene Chloride	U		0.00974	0.0367	1	05/31/2024 02:02	WG2295920
4-Methyl-2-pentanone (MIBK)	U		0.00335	0.0367	1	05/31/2024 02:02	WG2295920
Methyl tert-butyl ether	U		0.000514	0.00147	1	05/31/2024 02:02	WG2295920
Naphthalene	0.183		0.00716	0.0183	1	05/31/2024 02:02	WG2295920
n-Propylbenzene	0.0345		0.00139	0.00734	1	05/31/2024 02:02	WG2295920
Styrene	U		0.000336	0.0183	1	05/31/2024 02:02	WG2295920
1,1,1,2-Tetrachloroethane	U		0.00139	0.00367	1	05/31/2024 02:02	WG2295920
1,1,2,2-Tetrachloroethane	U		0.00102	0.00367	1	05/31/2024 02:02	WG2295920
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00367	1	05/31/2024 02:02	WG2295920
Tetrachloroethene	U		0.00131	0.00367	1	05/31/2024 02:02	WG2295920
Toluene	0.409		0.00191	0.00734	1	05/31/2024 02:02	WG2295920
1,2,3-Trichlorobenzene	U		0.0108	0.0183	1	05/31/2024 02:02	WG2295920
1,2,4-Trichlorobenzene	U		0.00646	0.0183	1	05/31/2024 02:02	WG2295920
1,1,1-Trichloroethane	0.0141		0.00135	0.00367	1	05/31/2024 02:02	WG2295920
1,1,2-Trichloroethane	U		0.000876	0.00367	1	05/31/2024 02:02	WG2295920
Trichloroethene	U		0.000857	0.00147	1	05/31/2024 02:02	WG2295920
Trichlorofluoromethane	U		0.00121	0.00367	1	05/31/2024 02:02	WG2295920
1,2,3-Trichloropropane	U		0.00238	0.0183	1	05/31/2024 02:02	WG2295920
1,2,4-Trimethylbenzene	0.105		0.00232	0.00734	1	05/31/2024 02:02	WG2295920
1,2,3-Trimethylbenzene	0.0484		0.00232	0.00734	1	05/31/2024 02:02	WG2295920
1,3,5-Trimethylbenzene	0.0420		0.00294	0.00734	1	05/31/2024 02:02	WG2295920
Vinyl chloride	U		0.00170	0.00367	1	05/31/2024 02:02	WG2295920
Xylenes, Total	0.537		0.00129	0.00954	1	05/31/2024 02:02	WG2295920
(S) Toluene-d8	*98.9*			*75.0-131*		*05/31/2024 02:02*	WG2295920
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/31/2024 02:02*	WG2295920
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*05/31/2024 02:02*	WG2295920

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0288	0.0831	2	06/02/2024 01:53	WG2296926
PCB 1221	U		0.0288	0.0831	2	06/02/2024 01:53	WG2296926
PCB 1232	U		0.0288	0.0831	2	06/02/2024 01:53	WG2296926
PCB 1242	U		0.0288	0.0831	2	06/02/2024 01:53	WG2296926
PCB 1248	U		0.0181	0.0415	2	06/02/2024 01:53	WG2296926
PCB 1254	U		0.0181	0.0415	2	06/02/2024 01:53	WG2296926
PCB 1260	U		0.0181	0.0415	2	06/02/2024 01:53	WG2296926
(S) Decachlorobiphenyl	*84.5*			*10.0-135*		*06/02/2024 01:53*	WG2296926

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*70.0*			*10.0-139*		*06/02/2024 01:53*	WG2296926

Sample Narrative:

L1740224-22 WG2296926: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0259	J	0.00658	0.0407	1	06/02/2024 14:47	WG2296790
Acenaphthylene	U		0.00573	0.0407	1	06/02/2024 14:47	WG2296790
Anthracene	0.137		0.00724	0.0407	1	06/02/2024 14:47	WG2296790
Benzidine	U		0.0765	2.04	1	06/02/2024 14:47	WG2296790
Benzo(a)anthracene	0.123		0.00717	0.0407	1	06/02/2024 14:47	WG2296790
Benzo(b)fluoranthene	0.253		0.00759	0.0407	1	06/02/2024 14:47	WG2296790
Benzo(k)fluoranthene	0.0633		0.00723	0.0407	1	06/02/2024 14:47	WG2296790
Benzo(g,h,i)perylene	0.0997		0.00744	0.0407	1	06/02/2024 14:47	WG2296790
Benzo(a)pyrene	0.151		0.00756	0.0407	1	06/02/2024 14:47	WG2296790
Bis(2-chlorethoxy)methane	U		0.0122	0.407	1	06/02/2024 14:47	WG2296790
Bis(2-chloroethyl)ether	U		0.0134	0.407	1	06/02/2024 14:47	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0176	0.407	1	06/02/2024 14:47	WG2296790
4-Bromophenyl-phenylether	U		0.0143	0.407	1	06/02/2024 14:47	WG2296790
2-Chloronaphthalene	U		0.00715	0.0407	1	06/02/2024 14:47	WG2296790
4-Chlorophenyl-phenylether	U		0.0142	0.407	1	06/02/2024 14:47	WG2296790
Chrysene	0.127		0.00809	0.0407	1	06/02/2024 14:47	WG2296790
Dibenz(a,h)anthracene	0.0286	J	0.0113	0.0407	1	06/02/2024 14:47	WG2296790
1,2-Dichlorobenzene	U		0.0121	0.407	1	06/02/2024 14:47	WG2296790
1,3-Dichlorobenzene	U		0.0123	0.407	1	06/02/2024 14:47	WG2296790
1,4-Dichlorobenzene	U		0.0121	0.407	1	06/02/2024 14:47	WG2296790
3,3-Dichlorobenzidine	U		0.0150	0.407	1	06/02/2024 14:47	WG2296790
2,4-Dinitrotoluene	U		0.0117	0.407	1	06/02/2024 14:47	WG2296790
2,6-Dinitrotoluene	U		0.0133	0.407	1	06/02/2024 14:47	WG2296790
Fluoranthene	0.228		0.00734	0.0407	1	06/02/2024 14:47	WG2296790
Fluorene	0.0887		0.00662	0.0407	1	06/02/2024 14:47	WG2296790
Hexachlorobenzene	U		0.0144	0.407	1	06/02/2024 14:47	WG2296790
Hexachloro-1,3-butadiene	U		0.0137	0.407	1	06/02/2024 14:47	WG2296790
Hexachlorocyclopentadiene	U		0.0214	0.407	1	06/02/2024 14:47	WG2296790
Hexachloroethane	U		0.0160	0.407	1	06/02/2024 14:47	WG2296790
Indeno(1,2,3-cd)pyrene	0.108		0.0115	0.0407	1	06/02/2024 14:47	WG2296790
Isophorone	U		0.0125	0.407	1	06/02/2024 14:47	WG2296790
Naphthalene	0.475		0.0102	0.0407	1	06/02/2024 14:47	WG2296790
Nitrobenzene	U		0.0142	0.407	1	06/02/2024 14:47	WG2296790
n-Nitrosodimethylamine	U		0.0603	0.407	1	06/02/2024 14:47	WG2296790
n-Nitrosodiphenylamine	U		0.0308	0.407	1	06/02/2024 14:47	WG2296790
n-Nitrosodi-n-propylamine	U		0.0136	0.407	1	06/02/2024 14:47	WG2296790
Phenanthrene	0.203		0.00807	0.0407	1	06/02/2024 14:47	WG2296790
Benzylbutyl phthalate	0.109	J	0.0127	0.407	1	06/02/2024 14:47	WG2296790
Bis(2-ethylhexyl)phthalate	0.126	J	0.0515	0.407	1	06/02/2024 14:47	WG2296790
Di-n-butyl phthalate	U		0.0139	0.407	1	06/02/2024 14:47	WG2296790
Diethyl phthalate	U		0.0134	0.407	1	06/02/2024 14:47	WG2296790
Dimethyl phthalate	U		0.0862	0.407	1	06/02/2024 14:47	WG2296790
Di-n-octyl phthalate	U		0.0275	0.407	1	06/02/2024 14:47	WG2296790
Pyrene	0.204		0.00792	0.0407	1	06/02/2024 14:47	WG2296790
1,2,4-Trichlorobenzene	U		0.0127	0.407	1	06/02/2024 14:47	WG2296790
4-Chloro-3-methylphenol	U		0.0132	0.407	1	06/02/2024 14:47	WG2296790
2-Chlorophenol	U		0.0134	0.407	1	06/02/2024 14:47	WG2296790
2,4-Dichlorophenol	U		0.0118	0.407	1	06/02/2024 14:47	WG2296790

1 Cp 2 Tc 3 Ss 4 Cn 5 Ds 6 Sr 7 Qc 8 Gl 9 Al 10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	0.257	J	0.0106	0.407	1	06/02/2024 14:47	WG2296790
4,6-Dinitro-2-methylphenol	U		0.0922	0.407	1	06/02/2024 14:47	WG2296790
2,4-Dinitrophenol	U		0.0952	0.407	1	06/02/2024 14:47	WG2296790
2-Nitrophenol	U		0.0145	0.407	1	06/02/2024 14:47	WG2296790
4-Nitrophenol	U		0.0127	0.407	1	06/02/2024 14:47	WG2296790
Pentachlorophenol	U		0.0109	0.407	1	06/02/2024 14:47	WG2296790
Phenol	0.564		0.0164	0.407	1	06/02/2024 14:47	WG2296790
2,4,6-Trichlorophenol	U		0.0131	0.407	1	06/02/2024 14:47	WG2296790
(S) 2-Fluorophenol	*55.7*			*12.0-120*		*06/02/2024 14:47*	WG2296790
(S) Phenol-d5	*52.4*			*10.0-120*		*06/02/2024 14:47*	WG2296790
(S) Nitrobenzene-d5	*41.1*			*10.0-122*		*06/02/2024 14:47*	WG2296790
(S) 2-Fluorobiphenyl	*50.8*			*15.0-120*		*06/02/2024 14:47*	WG2296790
(S) 2,4,6-Tribromophenol	*60.4*			*10.0-127*		*06/02/2024 14:47*	WG2296790
(S) p-Terphenyl-d14	*53.2*			*10.0-120*		*06/02/2024 14:47*	WG2296790

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	05/27/2024 09:51	WG2293531

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.385		0.0196	0.0436	1	05/28/2024 19:05	WG2293719

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.66	J	0.592	2.18	1	06/04/2024 23:55	WG2298458
Arsenic	2.38		0.564	2.18	1	06/04/2024 23:55	WG2298458
Barium	130		0.0928	0.544	1	06/04/2024 23:55	WG2298458
Beryllium	0.204	J	0.0343	0.218	1	06/04/2024 23:55	WG2298458
Cadmium	0.305	J	0.0513	0.544	1	06/04/2024 23:55	WG2298458
Chromium	10.5		0.145	1.09	1	06/04/2024 23:55	WG2298458
Cobalt	7.63		0.0883	1.09	1	06/04/2024 23:55	WG2298458
Copper	25.8		0.436	2.18	1	06/04/2024 23:55	WG2298458
Lead	50.1		0.227	0.544	1	06/04/2024 23:55	WG2298458
Molybdenum	0.238	J	0.119	0.544	1	06/04/2024 23:55	WG2298458
Nickel	15.1		0.144	2.18	1	06/04/2024 23:55	WG2298458
Selenium	U		0.832	2.18	1	06/04/2024 23:55	WG2298458
Silver	0.774	B J	0.138	1.09	1	06/05/2024 14:07	WG2298458
Thallium	0.851	J	0.429	2.18	1	06/04/2024 23:55	WG2298458
Vanadium	18.1		0.551	2.18	1	06/04/2024 23:55	WG2298458
Zinc	90.7		0.906	5.44	1	06/04/2024 23:55	WG2298458

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	8.10	B	1.02	3.09	26.3	06/03/2024 03:44	WG2297149
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/03/2024 03:44*	WG2297149

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	16.1		1.60	8.71	2	06/03/2024 16:09	WG2296787
C22-C32 Hydrocarbons	93.9		2.90	8.71	2	06/03/2024 16:09	WG2296787
C32-C40 Hydrocarbons	72.2		2.90	8.71	2	06/03/2024 16:09	WG2296787
(S) o-Terphenyl	*59.8*			*18.0-148*		*06/03/2024 16:09*	WG2296787

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00587	0.0363	1	06/02/2024 13:57	WG2296790
Acenaphthylene	U		0.00511	0.0363	1	06/02/2024 13:57	WG2296790
Anthracene	U		0.00646	0.0363	1	06/02/2024 13:57	WG2296790
Benzidine	U		0.0682	1.82	1	06/02/2024 13:57	WG2296790
Benzo(a)anthracene	U		0.00639	0.0363	1	06/02/2024 13:57	WG2296790
Benzo(b)fluoranthene	0.00774	J	0.00676	0.0363	1	06/02/2024 13:57	WG2296790
Benzo(k)fluoranthene	U		0.00645	0.0363	1	06/02/2024 13:57	WG2296790
Benzo(g,h,i)perylene	0.00665	J	0.00663	0.0363	1	06/02/2024 13:57	WG2296790
Benzo(a)pyrene	U		0.00674	0.0363	1	06/02/2024 13:57	WG2296790

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0109	0.363	1	06/02/2024 13:57	WG2296790
Bis(2-chloroethyl)ether	U		0.0120	0.363	1	06/02/2024 13:57	WG2296790
2,2-Oxybis(1-Chloropropane)	U		0.0157	0.363	1	06/02/2024 13:57	WG2296790
4-Bromophenyl-phenylether	U		0.0127	0.363	1	06/02/2024 13:57	WG2296790
2-Chloronaphthalene	U		0.00637	0.0363	1	06/02/2024 13:57	WG2296790
4-Chlorophenyl-phenylether	U		0.0126	0.363	1	06/02/2024 13:57	WG2296790
Chrysene	U		0.00721	0.0363	1	06/02/2024 13:57	WG2296790
Dibenz(a,h)anthracene	U		0.0101	0.0363	1	06/02/2024 13:57	WG2296790
1,2-Dichlorobenzene	U		0.0107	0.363	1	06/02/2024 13:57	WG2296790
1,3-Dichlorobenzene	U		0.0110	0.363	1	06/02/2024 13:57	WG2296790
1,4-Dichlorobenzene	U		0.0108	0.363	1	06/02/2024 13:57	WG2296790
3,3-Dichlorobenzidine	U		0.0134	0.363	1	06/02/2024 13:57	WG2296790
2,4-Dinitrotoluene	U		0.0104	0.363	1	06/02/2024 13:57	WG2296790
2,6-Dinitrotoluene	U		0.0119	0.363	1	06/02/2024 13:57	WG2296790
Fluoranthene	U		0.00654	0.0363	1	06/02/2024 13:57	WG2296790
Fluorene	U		0.00590	0.0363	1	06/02/2024 13:57	WG2296790
Hexachlorobenzene	U		0.0128	0.363	1	06/02/2024 13:57	WG2296790
Hexachloro-1,3-butadiene	U		0.0122	0.363	1	06/02/2024 13:57	WG2296790
Hexachlorocyclopentadiene	U		0.0191	0.363	1	06/02/2024 13:57	WG2296790
Hexachloroethane	U		0.0143	0.363	1	06/02/2024 13:57	WG2296790
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0363	1	06/02/2024 13:57	WG2296790
Isophorone	U		0.0111	0.363	1	06/02/2024 13:57	WG2296790
Naphthalene	U		0.00910	0.0363	1	06/02/2024 13:57	WG2296790
Nitrobenzene	U		0.0126	0.363	1	06/02/2024 13:57	WG2296790
n-Nitrosodimethylamine	U		0.0538	0.363	1	06/02/2024 13:57	WG2296790
n-Nitrosodiphenylamine	U		0.0274	0.363	1	06/02/2024 13:57	WG2296790
n-Nitrosodi-n-propylamine	U		0.0121	0.363	1	06/02/2024 13:57	WG2296790
Phenanthrene	U		0.00720	0.0363	1	06/02/2024 13:57	WG2296790
Benzylbutyl phthalate	U		0.0113	0.363	1	06/02/2024 13:57	WG2296790
Bis(2-ethylhexyl)phthalate	U		0.0460	0.363	1	06/02/2024 13:57	WG2296790
Di-n-butyl phthalate	0.173	J	0.0124	0.363	1	06/02/2024 13:57	WG2296790
Diethyl phthalate	U		0.0120	0.363	1	06/02/2024 13:57	WG2296790
Dimethyl phthalate	U		0.0769	0.363	1	06/02/2024 13:57	WG2296790
Di-n-octyl phthalate	U		0.0245	0.363	1	06/02/2024 13:57	WG2296790
Pyrene	U		0.00706	0.0363	1	06/02/2024 13:57	WG2296790
1,2,4-Trichlorobenzene	U		0.0113	0.363	1	06/02/2024 13:57	WG2296790
4-Chloro-3-methylphenol	U		0.0118	0.363	1	06/02/2024 13:57	WG2296790
2-Chlorophenol	U		0.0120	0.363	1	06/02/2024 13:57	WG2296790
2,4-Dichlorophenol	U		0.0106	0.363	1	06/02/2024 13:57	WG2296790
2,4-Dimethylphenol	U		0.00947	0.363	1	06/02/2024 13:57	WG2296790
4,6-Dinitro-2-methylphenol	U		0.0822	0.363	1	06/02/2024 13:57	WG2296790
2,4-Dinitrophenol	U		0.0848	0.363	1	06/02/2024 13:57	WG2296790
2-Nitrophenol	U		0.0130	0.363	1	06/02/2024 13:57	WG2296790
4-Nitrophenol	U		0.0113	0.363	1	06/02/2024 13:57	WG2296790
Pentachlorophenol	U		0.00976	0.363	1	06/02/2024 13:57	WG2296790
Phenol	U		0.0146	0.363	1	06/02/2024 13:57	WG2296790
2,4,6-Trichlorophenol	U		0.0117	0.363	1	06/02/2024 13:57	WG2296790
(S) 2-Fluorophenol	*63.2*			*12.0-120*		*06/02/2024 13:57*	WG2296790
(S) Phenol-d5	*58.3*			*10.0-120*		*06/02/2024 13:57*	WG2296790
(S) Nitrobenzene-d5	*49.5*			*10.0-122*		*06/02/2024 13:57*	WG2296790
(S) 2-Fluorobiphenyl	*57.8*			*15.0-120*		*06/02/2024 13:57*	WG2296790
(S) 2,4,6-Tribromophenol	*66.0*			*10.0-127*		*06/02/2024 13:57*	WG2296790
(S) p-Terphenyl-d14	*66.5*			*10.0-120*		*06/02/2024 13:57*	WG2296790

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	05/27/2024 09:51	WG2293531

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.91	B J	1.09	3.30	25	05/30/2024 10:53	WG2295233
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*77.0-120*		*05/30/2024 10:53*	WG2295233

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0476	0.0652	1	05/31/2024 02:21	WG2295920
Acrylonitrile	U		0.00470	0.0163	1	05/31/2024 02:21	WG2295920
Benzene	0.00235		0.000609	0.00130	1	05/31/2024 02:21	WG2295920
Bromobenzene	U		0.00117	0.0163	1	05/31/2024 02:21	WG2295920
Bromodichloromethane	U		0.000945	0.00326	1	05/31/2024 02:21	WG2295920
Bromoform	U		0.00152	0.0326	1	05/31/2024 02:21	WG2295920
Bromomethane	U		0.00257	0.0163	1	05/31/2024 02:21	WG2295920
n-Butylbenzene	U		0.00684	0.0163	1	05/31/2024 02:21	WG2295920
sec-Butylbenzene	U		0.00375	0.0163	1	05/31/2024 02:21	WG2295920
tert-Butylbenzene	U		0.00254	0.00652	1	05/31/2024 02:21	WG2295920
Carbon tetrachloride	U		0.00117	0.00652	1	05/31/2024 02:21	WG2295920
Chlorobenzene	U		0.000274	0.00326	1	05/31/2024 02:21	WG2295920
Chlorodibromomethane	U		0.000798	0.00326	1	05/31/2024 02:21	WG2295920
Chloroethane	U		0.00222	0.00652	1	05/31/2024 02:21	WG2295920
Chloroform	U		0.00134	0.00326	1	05/31/2024 02:21	WG2295920
Chloromethane	U		0.00567	0.0163	1	05/31/2024 02:21	WG2295920
2-Chlorotoluene	U		0.00113	0.00326	1	05/31/2024 02:21	WG2295920
4-Chlorotoluene	U		0.000586	0.00652	1	05/31/2024 02:21	WG2295920
1,2-Dibromo-3-Chloropropane	U		0.00508	0.0326	1	05/31/2024 02:21	WG2295920
1,2-Dibromoethane	U		0.000845	0.00326	1	05/31/2024 02:21	WG2295920
Dibromomethane	U		0.000977	0.00652	1	05/31/2024 02:21	WG2295920
1,2-Dichlorobenzene	U		0.000554	0.00652	1	05/31/2024 02:21	WG2295920
1,3-Dichlorobenzene	U		0.000782	0.00652	1	05/31/2024 02:21	WG2295920
1,4-Dichlorobenzene	U		0.000912	0.00652	1	05/31/2024 02:21	WG2295920
Dichlorodifluoromethane	U		0.00210	0.00652	1	05/31/2024 02:21	WG2295920
1,1-Dichloroethane	U		0.000640	0.00326	1	05/31/2024 02:21	WG2295920
1,2-Dichloroethane	U		0.000846	0.00326	1	05/31/2024 02:21	WG2295920
1,1-Dichloroethene	U		0.000790	0.00326	1	05/31/2024 02:21	WG2295920
cis-1,2-Dichloroethene	U		0.000957	0.00326	1	05/31/2024 02:21	WG2295920
trans-1,2-Dichloroethene	U		0.00136	0.00652	1	05/31/2024 02:21	WG2295920
1,2-Dichloropropane	U		0.00185	0.00652	1	05/31/2024 02:21	WG2295920
1,1-Dichloropropene	U		0.00105	0.00326	1	05/31/2024 02:21	WG2295920
1,3-Dichloropropane	U		0.000653	0.00652	1	05/31/2024 02:21	WG2295920
cis-1,3-Dichloropropene	U		0.000987	0.00326	1	05/31/2024 02:21	WG2295920
trans-1,3-Dichloropropene	U		0.00149	0.00652	1	05/31/2024 02:21	WG2295920
2,2-Dichloropropane	U		0.00180	0.00326	1	05/31/2024 02:21	WG2295920
Di-isopropyl ether	U		0.000534	0.00130	1	05/31/2024 02:21	WG2295920
Ethylbenzene	U		0.000961	0.00326	1	05/31/2024 02:21	WG2295920
Hexachloro-1,3-butadiene	U		0.00782	0.0326	1	05/31/2024 02:21	WG2295920
Isopropylbenzene	U		0.000554	0.00326	1	05/31/2024 02:21	WG2295920
p-Isopropyltoluene	U		0.00332	0.00652	1	05/31/2024 02:21	WG2295920
2-Butanone (MEK)	U		0.0828	0.130	1	05/31/2024 02:21	WG2295920
Methylene Chloride	U		0.00865	0.0326	1	05/31/2024 02:21	WG2295920
4-Methyl-2-pentanone (MIBK)	U		0.00297	0.0326	1	05/31/2024 02:21	WG2295920

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000456	0.00130	1	05/31/2024 02:21	WG2295920
Naphthalene	0.0124	J	0.00636	0.0163	1	05/31/2024 02:21	WG2295920
n-Propylbenzene	U		0.00124	0.00652	1	05/31/2024 02:21	WG2295920
Styrene	U		0.000298	0.0163	1	05/31/2024 02:21	WG2295920
1,1,1,2-Tetrachloroethane	U		0.00124	0.00326	1	05/31/2024 02:21	WG2295920
1,1,2,2-Tetrachloroethane	U		0.000906	0.00326	1	05/31/2024 02:21	WG2295920
1,1,2-Trichlorotrifluoroethane	U		0.000983	0.00326	1	05/31/2024 02:21	WG2295920
Tetrachloroethene	U		0.00117	0.00326	1	05/31/2024 02:21	WG2295920
Toluene	0.00297	J	0.00169	0.00652	1	05/31/2024 02:21	WG2295920
1,2,3-Trichlorobenzene	U		0.00955	0.0163	1	05/31/2024 02:21	WG2295920
1,2,4-Trichlorobenzene	U		0.00573	0.0163	1	05/31/2024 02:21	WG2295920
1,1,1-Trichloroethane	U		0.00120	0.00326	1	05/31/2024 02:21	WG2295920
1,1,2-Trichloroethane	U		0.000778	0.00326	1	05/31/2024 02:21	WG2295920
Trichloroethene	U		0.000761	0.00130	1	05/31/2024 02:21	WG2295920
Trichlorofluoromethane	U		0.00108	0.00326	1	05/31/2024 02:21	WG2295920
1,2,3-Trichloropropane	U		0.00211	0.0163	1	05/31/2024 02:21	WG2295920
1,2,4-Trimethylbenzene	U		0.00206	0.00652	1	05/31/2024 02:21	WG2295920
1,2,3-Trimethylbenzene	U		0.00206	0.00652	1	05/31/2024 02:21	WG2295920
1,3,5-Trimethylbenzene	U		0.00261	0.00652	1	05/31/2024 02:21	WG2295920
Vinyl chloride	U		0.00151	0.00326	1	05/31/2024 02:21	WG2295920
Xylenes, Total	0.00222	J	0.00115	0.00847	1	05/31/2024 02:21	WG2295920
(S) Toluene-d8	*100*			*75.0-131*		*05/31/2024 02:21*	WG2295920
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/31/2024 02:21*	WG2295920
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/31/2024 02:21*	WG2295920

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.30	J	0.844	4.61	1	06/03/2024 15:55	WG2296787
C22-C32 Hydrocarbons	9.75		1.53	4.61	1	06/03/2024 15:55	WG2296787
C32-C40 Hydrocarbons	6.53		1.53	4.61	1	06/03/2024 15:55	WG2296787
(S) o-Terphenyl	*44.9*			*18.0-148*		*06/03/2024 15:55*	WG2296787

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	05/27/2024 09:51	WG2293531

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0531	0.0728	1	05/31/2024 02:40	WG2295920
Acrylonitrile	U		0.00525	0.0182	1	05/31/2024 02:40	WG2295920
Benzene	U		0.000680	0.00146	1	05/31/2024 02:40	WG2295920
Bromobenzene	U		0.00131	0.0182	1	05/31/2024 02:40	WG2295920
Bromodichloromethane	U		0.00106	0.00364	1	05/31/2024 02:40	WG2295920
Bromoform	U		0.00170	0.0364	1	05/31/2024 02:40	WG2295920
Bromomethane	U		0.00287	0.0182	1	05/31/2024 02:40	WG2295920
n-Butylbenzene	U		0.00764	0.0182	1	05/31/2024 02:40	WG2295920
sec-Butylbenzene	U		0.00419	0.0182	1	05/31/2024 02:40	WG2295920
tert-Butylbenzene	U		0.00284	0.00728	1	05/31/2024 02:40	WG2295920
Carbon tetrachloride	U		0.00131	0.00728	1	05/31/2024 02:40	WG2295920
Chlorobenzene	U		0.000306	0.00364	1	05/31/2024 02:40	WG2295920
Chlorodibromomethane	U		0.000891	0.00364	1	05/31/2024 02:40	WG2295920
Chloroethane	U		0.00247	0.00728	1	05/31/2024 02:40	WG2295920
Chloroform	U		0.00150	0.00364	1	05/31/2024 02:40	WG2295920
Chloromethane	U		0.00633	0.0182	1	05/31/2024 02:40	WG2295920
2-Chlorotoluene	U		0.00126	0.00364	1	05/31/2024 02:40	WG2295920
4-Chlorotoluene	U		0.000655	0.00728	1	05/31/2024 02:40	WG2295920
1,2-Dibromo-3-Chloropropane	U		0.00568	0.0364	1	05/31/2024 02:40	WG2295920
1,2-Dibromoethane	U		0.000943	0.00364	1	05/31/2024 02:40	WG2295920
Dibromomethane	U		0.00109	0.00728	1	05/31/2024 02:40	WG2295920
1,2-Dichlorobenzene	U		0.000619	0.00728	1	05/31/2024 02:40	WG2295920
1,3-Dichlorobenzene	U		0.000873	0.00728	1	05/31/2024 02:40	WG2295920
1,4-Dichlorobenzene	U		0.00102	0.00728	1	05/31/2024 02:40	WG2295920
Dichlorodifluoromethane	U		0.00234	0.00728	1	05/31/2024 02:40	WG2295920
1,1-Dichloroethane	U		0.000715	0.00364	1	05/31/2024 02:40	WG2295920
1,2-Dichloroethane	U		0.000945	0.00364	1	05/31/2024 02:40	WG2295920
1,1-Dichloroethene	U		0.000882	0.00364	1	05/31/2024 02:40	WG2295920
cis-1,2-Dichloroethene	U		0.00107	0.00364	1	05/31/2024 02:40	WG2295920
trans-1,2-Dichloroethene	U		0.00151	0.00728	1	05/31/2024 02:40	WG2295920
1,2-Dichloropropane	U		0.00207	0.00728	1	05/31/2024 02:40	WG2295920
1,1-Dichloropropene	U		0.00118	0.00364	1	05/31/2024 02:40	WG2295920
1,3-Dichloropropane	U		0.000729	0.00728	1	05/31/2024 02:40	WG2295920
cis-1,3-Dichloropropene	U		0.00110	0.00364	1	05/31/2024 02:40	WG2295920
trans-1,3-Dichloropropene	U		0.00166	0.00728	1	05/31/2024 02:40	WG2295920
2,2-Dichloropropane	U		0.00201	0.00364	1	05/31/2024 02:40	WG2295920
Di-isopropyl ether	U		0.000597	0.00146	1	05/31/2024 02:40	WG2295920
Ethylbenzene	U		0.00107	0.00364	1	05/31/2024 02:40	WG2295920
Hexachloro-1,3-butadiene	U		0.00873	0.0364	1	05/31/2024 02:40	WG2295920
Isopropylbenzene	U		0.000619	0.00364	1	05/31/2024 02:40	WG2295920
p-Isopropyltoluene	U		0.00371	0.00728	1	05/31/2024 02:40	WG2295920
2-Butanone (MEK)	U		0.0924	0.146	1	05/31/2024 02:40	WG2295920
Methylene Chloride	U		0.00966	0.0364	1	05/31/2024 02:40	WG2295920
4-Methyl-2-pentanone (MIBK)	U		0.00332	0.0364	1	05/31/2024 02:40	WG2295920
Methyl tert-butyl ether	U		0.000509	0.00146	1	05/31/2024 02:40	WG2295920
Naphthalene	U		0.00710	0.0182	1	05/31/2024 02:40	WG2295920
n-Propylbenzene	U		0.00138	0.00728	1	05/31/2024 02:40	WG2295920
Styrene	U		0.000333	0.0182	1	05/31/2024 02:40	WG2295920
1,1,1,2-Tetrachloroethane	U		0.00138	0.00364	1	05/31/2024 02:40	WG2295920
1,1,2,2-Tetrachloroethane	U		0.00101	0.00364	1	05/31/2024 02:40	WG2295920

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00110	0.00364	1	05/31/2024 02:40	WG2295920
Tetrachloroethene	U		0.00130	0.00364	1	05/31/2024 02:40	WG2295920
Toluene	U		0.00189	0.00728	1	05/31/2024 02:40	WG2295920
1,2,3-Trichlorobenzene	U		0.0107	0.0182	1	05/31/2024 02:40	WG2295920
1,2,4-Trichlorobenzene	U		0.00640	0.0182	1	05/31/2024 02:40	WG2295920
1,1,1-Trichloroethane	U		0.00134	0.00364	1	05/31/2024 02:40	WG2295920
1,1,2-Trichloroethane	U		0.000869	0.00364	1	05/31/2024 02:40	WG2295920
Trichloroethene	U		0.000850	0.00146	1	05/31/2024 02:40	WG2295920
Trichlorofluoromethane	U		0.00120	0.00364	1	05/31/2024 02:40	WG2295920
1,2,3-Trichloropropane	U		0.00236	0.0182	1	05/31/2024 02:40	WG2295920
1,2,4-Trimethylbenzene	U		0.00230	0.00728	1	05/31/2024 02:40	WG2295920
1,2,3-Trimethylbenzene	U		0.00230	0.00728	1	05/31/2024 02:40	WG2295920
1,3,5-Trimethylbenzene	U		0.00291	0.00728	1	05/31/2024 02:40	WG2295920
Vinyl chloride	U		0.00169	0.00364	1	05/31/2024 02:40	WG2295920
Xylenes, Total	U		0.00128	0.00946	1	05/31/2024 02:40	WG2295920
(S) Toluene-d8	*99.7*			*75.0-131*		*05/31/2024 02:40*	WG2295920
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/31/2024 02:40*	WG2295920
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*05/31/2024 02:40*	WG2295920

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	0.494		0.100	0.200	1	05/26/2024 18:33	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:47	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	50.6		0.736	5.00	1	06/03/2024 17:06	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:06	WG2296300
Chromium,Dissolved	U		1.40	10.0	1	06/03/2024 17:06	WG2296300
Cobalt,Dissolved	3.82	B J	0.840	10.0	1	06/03/2024 17:06	WG2296300
Molybdenum,Dissolved	48.1		1.16	5.00	1	06/03/2024 17:06	WG2296300
Vanadium,Dissolved	U		4.99	20.0	1	06/03/2024 17:06	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/12/2024 22:28	WG2296474
Antimony,Dissolved	U		1.03	4.00	1	06/15/2024 13:15	WG2296356
Arsenic	1.40	J	0.180	2.00	1	06/12/2024 22:28	WG2296474
Arsenic,Dissolved	0.791	J	0.180	2.00	1	06/15/2024 13:15	WG2296356
Barium	138		0.381	2.00	1	06/12/2024 22:28	WG2296474
Beryllium	U		0.190	2.00	1	06/12/2024 22:28	WG2296474
Cadmium	U		0.150	1.00	1	06/12/2024 22:28	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:15	WG2296356
Chromium	10.9		1.24	2.00	1	06/12/2024 22:28	WG2296474
Copper	13.0		1.51	5.00	1	06/12/2024 22:28	WG2296474
Copper,Dissolved	2.56	J	1.51	5.00	1	06/15/2024 13:15	WG2296356
Cobalt	13.9		0.0596	2.00	1	06/12/2024 22:28	WG2296474
Lead	3.88		0.849	2.00	1	06/12/2024 22:28	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:15	WG2296356
Molybdenum	13.1		0.348	5.00	1	06/12/2024 22:28	WG2296474
Nickel	33.7		0.816	2.00	1	06/12/2024 22:28	WG2296474
Nickel,Dissolved	7.62		0.816	2.00	1	06/15/2024 13:15	WG2296356
Selenium	U		0.300	2.00	1	06/12/2024 22:28	WG2296474
Selenium,Dissolved	U		0.300	2.00	1	06/15/2024 13:15	WG2296356
Silver	U		0.0700	2.00	1	06/12/2024 22:28	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:15	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:28	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:15	WG2296356
Vanadium	22.9		0.664	5.00	1	06/12/2024 22:28	WG2296474
Zinc	54.4		3.02	25.0	1	06/12/2024 22:28	WG2296474
Zinc,Dissolved	6.80	J	3.02	25.0	1	06/15/2024 13:15	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	53.7	B J	30.4	100	1	05/29/2024 17:24	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*93.6*			*78.0-120*		*05/29/2024 17:24*	WG2294783

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/01/2024 03:19	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 03:19	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 03:19	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 03:19	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 03:19	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 03:19	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 03:19	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 03:19	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 03:19	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 03:19	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 03:19	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 03:19	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 03:19	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 03:19	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 03:19	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 03:19	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 03:19	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 03:19	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 03:19	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 03:19	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 03:19	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 03:19	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 03:19	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 03:19	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 03:19	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 03:19	WG2296577
1,1-Dichloroethane	U		0.100	1.00	1	06/01/2024 03:19	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 03:19	WG2296577
1,1-Dichloroethene	U		0.188	1.00	1	06/01/2024 03:19	WG2296577
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/01/2024 03:19	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 03:19	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 03:19	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 03:19	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 03:19	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 03:19	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 03:19	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 03:19	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 03:19	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 03:19	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 03:19	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 03:19	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 03:19	WG2296577
2-Butanone (MEK)	U		1.19	10.0	1	06/01/2024 03:19	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 03:19	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 03:19	WG2296577
Methyl tert-butyl ether	1.03		0.101	1.00	1	06/01/2024 03:19	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 03:19	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 03:19	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 03:19	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 03:19	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 03:19	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 03:19	WG2296577
Tetrachloroethene	U		0.300	1.00	1	06/01/2024 03:19	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 03:19	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 03:19	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 03:19	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 03:19	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 03:19	WG2296577
Trichloroethene	U		0.190	1.00	1	06/01/2024 03:19	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 03:19	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 03:19	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 03:19	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:19	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:19	WG2296577
Vinyl chloride	U		0.234	1.00	1	06/01/2024 03:19	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 03:19	WG2296577
(S) Toluene-d8	*101*			*80.0-120*		*06/01/2024 03:19*	WG2296577
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*06/01/2024 03:19*	WG2296577
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/01/2024 03:19*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	53.7	J	33.0	100	1	06/02/2024 09:10	WG2296326
C22-C32 Hydrocarbons	114		33.0	100	1	06/02/2024 09:10	WG2296326
C32-C40 Hydrocarbons	U		33.0	100	1	06/02/2024 09:10	WG2296326
(S) o-Terphenyl	*65.3*			*52.0-156*		*06/02/2024 09:10*	WG2296326

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	1.32		0.100	0.200	1	05/26/2024 18:36	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:49	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	50.0		0.736	5.00	1	06/03/2024 17:08	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:08	WG2296300
Chromium,Dissolved	U		1.40	10.0	1	06/03/2024 17:08	WG2296300
Cobalt,Dissolved	1.80	B J	0.840	10.0	1	06/03/2024 17:08	WG2296300
Molybdenum,Dissolved	25.4		1.16	5.00	1	06/03/2024 17:08	WG2296300
Vanadium,Dissolved	7.31	J	4.99	20.0	1	06/03/2024 17:08	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/12/2024 22:32	WG2296474
Antimony,Dissolved	U		1.03	4.00	1	06/15/2024 13:19	WG2296356
Arsenic	3.82		0.180	2.00	1	06/12/2024 22:32	WG2296474
Arsenic,Dissolved	1.38	J	0.180	2.00	1	06/15/2024 13:19	WG2296356
Barium	742		0.381	2.00	1	06/12/2024 22:32	WG2296474
Beryllium	8.59		0.190	2.00	1	06/12/2024 22:32	WG2296474
Cadmium	2.22		0.150	1.00	1	06/12/2024 22:32	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:19	WG2296356
Chromium	50.7		1.24	2.00	1	06/12/2024 22:32	WG2296474
Copper	100		1.51	5.00	1	06/12/2024 22:32	WG2296474
Copper,Dissolved	2.46	J	1.51	5.00	1	06/15/2024 13:19	WG2296356
Cobalt	167		0.0596	2.00	1	06/12/2024 22:32	WG2296474
Lead	37.4		0.849	2.00	1	06/12/2024 22:32	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:19	WG2296356
Molybdenum	0.489	J	0.348	5.00	1	06/12/2024 22:32	WG2296474
Nickel	330		0.816	2.00	1	06/12/2024 22:32	WG2296474
Nickel,Dissolved	5.66		0.816	2.00	1	06/15/2024 13:19	WG2296356
Selenium	0.753	J	0.300	2.00	1	06/12/2024 22:32	WG2296474
Selenium,Dissolved	U		0.300	2.00	1	06/15/2024 13:19	WG2296356
Silver	0.0746	J	0.0700	2.00	1	06/12/2024 22:32	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:19	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:32	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:19	WG2296356
Vanadium	121		0.664	5.00	1	06/12/2024 22:32	WG2296474
Zinc	223		3.02	25.0	1	06/12/2024 22:32	WG2296474
Zinc,Dissolved	U		3.02	25.0	1	06/15/2024 13:19	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	72.5	B J	30.4	100	1	05/29/2024 17:47	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*05/29/2024 17:47*	WG2294783

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/01/2024 03:38	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 03:38	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 03:38	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 03:38	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 03:38	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 03:38	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 03:38	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 03:38	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 03:38	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 03:38	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 03:38	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 03:38	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 03:38	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 03:38	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 03:38	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 03:38	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 03:38	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 03:38	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 03:38	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 03:38	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 03:38	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 03:38	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 03:38	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 03:38	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 03:38	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 03:38	WG2296577
1,1-Dichloroethane	0.302	J	0.100	1.00	1	06/01/2024 03:38	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 03:38	WG2296577
1,1-Dichloroethene	0.266	J	0.188	1.00	1	06/01/2024 03:38	WG2296577
cis-1,2-Dichloroethene	1.25		0.126	1.00	1	06/01/2024 03:38	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 03:38	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 03:38	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 03:38	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 03:38	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 03:38	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 03:38	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 03:38	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 03:38	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 03:38	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 03:38	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 03:38	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 03:38	WG2296577
2-Butanone (MEK)	U		1.19	10.0	1	06/01/2024 03:38	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 03:38	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 03:38	WG2296577
Methyl tert-butyl ether	1.64		0.101	1.00	1	06/01/2024 03:38	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 03:38	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 03:38	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 03:38	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 03:38	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 03:38	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 03:38	WG2296577
Tetrachloroethene	5.57		0.300	1.00	1	06/01/2024 03:38	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 03:38	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 03:38	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 03:38	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 03:38	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 03:38	WG2296577
Trichloroethene	6.26		0.190	1.00	1	06/01/2024 03:38	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 03:38	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 03:38	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 03:38	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:38	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:38	WG2296577
Vinyl chloride	U		0.234	1.00	1	06/01/2024 03:38	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 03:38	WG2296577
(S) Toluene-d8	*101*			*80.0-120*		*06/01/2024 03:38*	WG2296577
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*06/01/2024 03:38*	WG2296577
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/01/2024 03:38*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	102		33.0	100	1	05/30/2024 09:45	WG2294852
C22-C32 Hydrocarbons	166		33.0	100	1	05/30/2024 09:45	WG2294852
C32-C40 Hydrocarbons	89.1	J	33.0	100	1	06/02/2024 11:51	WG2294852
(S) o-Terphenyl	*71.1*			*52.0-156*		*05/30/2024 09:45*	WG2294852
(S) o-Terphenyl	*78.4*			*52.0-156*		*06/02/2024 11:51*	WG2294852

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	1.68		0.100	0.200	1	05/26/2024 18:38	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:52	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	47.1		0.736	5.00	1	06/03/2024 17:09	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:09	WG2296300
Chromium,Dissolved	U		1.40	10.0	1	06/03/2024 17:09	WG2296300
Cobalt,Dissolved	2.88	B J	0.840	10.0	1	06/03/2024 17:09	WG2296300
Molybdenum,Dissolved	25.0		1.16	5.00	1	06/03/2024 17:09	WG2296300
Vanadium,Dissolved	7.42	J	4.99	20.0	1	06/03/2024 17:09	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/12/2024 22:35	WG2296474
Antimony,Dissolved	U		1.03	4.00	1	06/15/2024 13:22	WG2296356
Arsenic	3.75		0.180	2.00	1	06/12/2024 22:35	WG2296474
Arsenic,Dissolved	1.28	J	0.180	2.00	1	06/15/2024 13:22	WG2296356
Barium	784		0.381	2.00	1	06/12/2024 22:35	WG2296474
Beryllium	9.33		0.190	2.00	1	06/12/2024 22:35	WG2296474
Cadmium	2.74		0.150	1.00	1	06/12/2024 22:35	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:22	WG2296356
Chromium	37.8		1.24	2.00	1	06/12/2024 22:35	WG2296474
Copper	83.7		1.51	5.00	1	06/12/2024 22:35	WG2296474
Copper,Dissolved	1.76	J	1.51	5.00	1	06/15/2024 13:22	WG2296356
Cobalt	197		0.0596	2.00	1	06/12/2024 22:35	WG2296474
Lead	31.7		0.849	2.00	1	06/12/2024 22:35	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:22	WG2296356
Molybdenum	0.386	J	0.348	5.00	1	06/12/2024 22:35	WG2296474
Nickel	364		0.816	2.00	1	06/12/2024 22:35	WG2296474
Nickel,Dissolved	4.30		0.816	2.00	1	06/15/2024 13:22	WG2296356
Selenium	0.773	J	0.300	2.00	1	06/12/2024 22:35	WG2296474
Selenium,Dissolved	U		0.300	2.00	1	06/15/2024 13:22	WG2296356
Silver	0.0764	J	0.0700	2.00	1	06/12/2024 22:35	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:22	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:35	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:22	WG2296356
Vanadium	117		0.664	5.00	1	06/12/2024 22:35	WG2296474
Zinc	182		3.02	25.0	1	06/12/2024 22:35	WG2296474
Zinc,Dissolved	U		3.02	25.0	1	06/15/2024 13:22	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	83.1	B J	30.4	100	1	05/29/2024 18:10	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*78.0-120*		*05/29/2024 18:10*	WG2294783

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/01/2024 03:57	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 03:57	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 03:57	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 03:57	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 03:57	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 03:57	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 03:57	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 03:57	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 03:57	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 03:57	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 03:57	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 03:57	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 03:57	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 03:57	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 03:57	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 03:57	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 03:57	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 03:57	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 03:57	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 03:57	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 03:57	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 03:57	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 03:57	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 03:57	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 03:57	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 03:57	WG2296577
1,1-Dichloroethane	0.298	J	0.100	1.00	1	06/01/2024 03:57	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 03:57	WG2296577
1,1-Dichloroethene	0.289	J	0.188	1.00	1	06/01/2024 03:57	WG2296577
cis-1,2-Dichloroethene	1.32		0.126	1.00	1	06/01/2024 03:57	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 03:57	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 03:57	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 03:57	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 03:57	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 03:57	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 03:57	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 03:57	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 03:57	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 03:57	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 03:57	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 03:57	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 03:57	WG2296577
2-Butanone (MEK)	U		1.19	10.0	1	06/01/2024 03:57	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 03:57	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 03:57	WG2296577
Methyl tert-butyl ether	1.69		0.101	1.00	1	06/01/2024 03:57	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 03:57	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 03:57	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 03:57	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 03:57	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 03:57	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 03:57	WG2296577
Tetrachloroethene	6.10		0.300	1.00	1	06/01/2024 03:57	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 03:57	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 03:57	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 03:57	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 03:57	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 03:57	WG2296577
Trichloroethene	6.42		0.190	1.00	1	06/01/2024 03:57	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 03:57	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 03:57	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 03:57	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:57	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 03:57	WG2296577
Vinyl chloride	U		0.234	1.00	1	06/01/2024 03:57	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 03:57	WG2296577
(S) Toluene-d8	*102*			*80.0-120*		*06/01/2024 03:57*	WG2296577
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*06/01/2024 03:57*	WG2296577
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/01/2024 03:57*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	94.5	J	33.0	100	1	05/30/2024 10:05	WG2294852
C22-C32 Hydrocarbons	136		33.0	100	1	05/30/2024 10:05	WG2294852
C32-C40 Hydrocarbons	88.7	J	33.0	100	1	05/30/2024 10:05	WG2294852
(S) o-Terphenyl	*72.6*			*52.0-156*		*05/30/2024 10:05*	WG2294852

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/26/2024 18:41	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:54	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	217		0.736	5.00	1	06/03/2024 17:11	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:11	WG2296300
Chromium,Dissolved	U		1.40	10.0	1	06/03/2024 17:11	WG2296300
Cobalt,Dissolved	2.11	B J	0.840	10.0	1	06/03/2024 17:11	WG2296300
Molybdenum,Dissolved	5.52		1.16	5.00	1	06/03/2024 17:11	WG2296300
Vanadium,Dissolved	U		4.99	20.0	1	06/03/2024 17:11	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/12/2024 22:38	WG2296474
Antimony,Dissolved	U		1.03	4.00	1	06/15/2024 13:25	WG2296356
Arsenic	11.6		0.180	2.00	1	06/12/2024 22:38	WG2296474
Arsenic,Dissolved	18.5		0.180	2.00	1	06/15/2024 13:25	WG2296356
Barium	201		0.381	2.00	1	06/12/2024 22:38	WG2296474
Beryllium	0.301	J	0.190	2.00	1	06/12/2024 22:38	WG2296474
Cadmium	0.320	J	0.150	1.00	1	06/12/2024 22:38	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:25	WG2296356
Chromium	11.5		1.24	2.00	1	06/12/2024 22:38	WG2296474
Copper	28.4		1.51	5.00	1	06/12/2024 22:38	WG2296474
Copper,Dissolved	U		1.51	5.00	1	06/15/2024 13:25	WG2296356
Cobalt	7.26		0.0596	2.00	1	06/12/2024 22:38	WG2296474
Lead	11.6		0.849	2.00	1	06/12/2024 22:38	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:25	WG2296356
Molybdenum	0.634	J	0.348	5.00	1	06/12/2024 22:38	WG2296474
Nickel	23.0		0.816	2.00	1	06/12/2024 22:38	WG2296474
Nickel,Dissolved	4.62		0.816	2.00	1	06/15/2024 13:25	WG2296356
Selenium	0.733	J	0.300	2.00	1	06/12/2024 22:38	WG2296474
Selenium,Dissolved	0.604	J	0.300	2.00	1	06/15/2024 13:25	WG2296356
Silver	U		0.0700	2.00	1	06/12/2024 22:38	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:25	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:38	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:25	WG2296356
Vanadium	20.3		0.664	5.00	1	06/12/2024 22:38	WG2296474
Zinc	36.0		3.02	25.0	1	06/12/2024 22:38	WG2296474
Zinc,Dissolved	3.19	J	3.02	25.0	1	06/15/2024 13:25	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	53.5	B J	30.4	100	1	05/29/2024 18:33	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*94.1*			*78.0-120*		*05/29/2024 18:33*	WG2294783

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/01/2024 04:16	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 04:16	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 04:16	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 04:16	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 04:16	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 04:16	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 04:16	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 04:16	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 04:16	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 04:16	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 04:16	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 04:16	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 04:16	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 04:16	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 04:16	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 04:16	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 04:16	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 04:16	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 04:16	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 04:16	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 04:16	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 04:16	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 04:16	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 04:16	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 04:16	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 04:16	WG2296577
1,1-Dichloroethane	1.27		0.100	1.00	1	06/01/2024 04:16	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 04:16	WG2296577
1,1-Dichloroethene	0.213	J	0.188	1.00	1	06/01/2024 04:16	WG2296577
cis-1,2-Dichloroethene	0.203	J	0.126	1.00	1	06/01/2024 04:16	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 04:16	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 04:16	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 04:16	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 04:16	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 04:16	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 04:16	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 04:16	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 04:16	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 04:16	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 04:16	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 04:16	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 04:16	WG2296577
2-Butanone (MEK)	U		1.19	10.0	1	06/01/2024 04:16	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 04:16	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 04:16	WG2296577
Methyl tert-butyl ether	0.223	J	0.101	1.00	1	06/01/2024 04:16	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 04:16	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 04:16	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 04:16	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 04:16	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 04:16	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 04:16	WG2296577
Tetrachloroethene	U		0.300	1.00	1	06/01/2024 04:16	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 04:16	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 04:16	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 04:16	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 04:16	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 04:16	WG2296577
Trichloroethene	U		0.190	1.00	1	06/01/2024 04:16	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 04:16	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 04:16	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 04:16	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 04:16	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 04:16	WG2296577
Vinyl chloride	2.81		0.234	1.00	1	06/01/2024 04:16	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 04:16	WG2296577
(S) Toluene-d8	*98.9*			*80.0-120*		*06/01/2024 04:16*	WG2296577
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*06/01/2024 04:16*	WG2296577
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/01/2024 04:16*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	122		33.0	100	1	06/02/2024 09:30	WG2296326
C22-C32 Hydrocarbons	247		33.0	100	1	06/02/2024 09:30	WG2296326
C32-C40 Hydrocarbons	91.6	J	33.0	100	1	06/02/2024 09:30	WG2296326
(S) o-Terphenyl	*65.3*			*52.0-156*		*06/02/2024 09:30*	WG2296326

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	0.139	J	0.100	0.200	1	05/26/2024 18:43	WG2293140
Mercury,Dissolved	U		0.100	0.200	1	05/28/2024 11:56	WG2293147

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	195		0.736	5.00	1	06/03/2024 17:13	WG2296300
Beryllium,Dissolved	U		0.330	2.00	1	06/03/2024 17:13	WG2296300
Chromium,Dissolved	1.43	J	1.40	10.0	1	06/03/2024 17:13	WG2296300
Cobalt,Dissolved	2.25	B J	0.840	10.0	1	06/03/2024 17:13	WG2296300
Molybdenum,Dissolved	56.9		1.16	5.00	1	06/03/2024 17:13	WG2296300
Vanadium,Dissolved	7.84	J	4.99	20.0	1	06/03/2024 17:13	WG2296300

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/12/2024 22:41	WG2296474
Antimony,Dissolved	3.88	J	1.03	4.00	1	06/15/2024 13:29	WG2296356
Arsenic	8.59		0.180	2.00	1	06/12/2024 22:41	WG2296474
Arsenic,Dissolved	13.1		0.180	2.00	1	06/15/2024 13:29	WG2296356
Barium	384		0.381	2.00	1	06/12/2024 22:41	WG2296474
Beryllium	0.553	J	0.190	2.00	1	06/12/2024 22:41	WG2296474
Cadmium	0.297	J	0.150	1.00	1	06/12/2024 22:41	WG2296474
Cadmium,Dissolved	U		0.150	1.00	1	06/15/2024 13:29	WG2296356
Chromium	24.5		1.24	2.00	1	06/12/2024 22:41	WG2296474
Copper	92.0		1.51	5.00	1	06/12/2024 22:41	WG2296474
Copper,Dissolved	6.36		1.51	5.00	1	06/15/2024 13:29	WG2296356
Cobalt	13.6		0.0596	2.00	1	06/12/2024 22:41	WG2296474
Lead	38.1		0.849	2.00	1	06/12/2024 22:41	WG2296474
Lead,Dissolved	U		0.849	2.00	1	06/15/2024 13:29	WG2296356
Molybdenum	14.0		0.348	5.00	1	06/12/2024 22:41	WG2296474
Nickel	43.7		0.816	2.00	1	06/12/2024 22:41	WG2296474
Nickel,Dissolved	7.36		0.816	2.00	1	06/15/2024 13:29	WG2296356
Selenium	0.327	J	0.300	2.00	1	06/12/2024 22:41	WG2296474
Selenium,Dissolved	0.327	J	0.300	2.00	1	06/15/2024 13:29	WG2296356
Silver	U		0.0700	2.00	1	06/12/2024 22:41	WG2296474
Silver,Dissolved	U		0.0700	2.00	1	06/15/2024 13:29	WG2296356
Thallium	U		0.121	2.00	1	06/12/2024 22:41	WG2296474
Thallium,Dissolved	U		0.121	2.00	1	06/15/2024 13:29	WG2296356
Vanadium	42.9		0.664	5.00	1	06/12/2024 22:41	WG2296474
Zinc	81.6		3.02	25.0	1	06/12/2024 22:41	WG2296474
Zinc,Dissolved	4.04	J	3.02	25.0	1	06/15/2024 13:29	WG2296356

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	79.4	B J	30.4	100	1	05/29/2024 18:56	WG2294783
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*78.0-120*		*05/29/2024 18:56*	WG2294783

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	24.8	J	11.3	50.0	1	06/01/2024 04:35	WG2296577
Acrolein	U		2.54	50.0	1	06/01/2024 04:35	WG2296577
Acrylonitrile	U		0.671	10.0	1	06/01/2024 04:35	WG2296577
Benzene	U		0.0941	1.00	1	06/01/2024 04:35	WG2296577
Bromobenzene	U		0.118	1.00	1	06/01/2024 04:35	WG2296577
Bromodichloromethane	U		0.136	1.00	1	06/01/2024 04:35	WG2296577
Bromoform	U		0.129	1.00	1	06/01/2024 04:35	WG2296577
Bromomethane	U		0.605	5.00	1	06/01/2024 04:35	WG2296577
n-Butylbenzene	U		0.157	1.00	1	06/01/2024 04:35	WG2296577
sec-Butylbenzene	U		0.125	1.00	1	06/01/2024 04:35	WG2296577
tert-Butylbenzene	U		0.127	1.00	1	06/01/2024 04:35	WG2296577
Carbon tetrachloride	U		0.128	1.00	1	06/01/2024 04:35	WG2296577
Chlorobenzene	U		0.116	1.00	1	06/01/2024 04:35	WG2296577
Chlorodibromomethane	U		0.140	1.00	1	06/01/2024 04:35	WG2296577
Chloroethane	U		0.192	5.00	1	06/01/2024 04:35	WG2296577
Chloroform	U		0.111	5.00	1	06/01/2024 04:35	WG2296577
Chloromethane	U		0.960	2.50	1	06/01/2024 04:35	WG2296577
2-Chlorotoluene	U		0.106	1.00	1	06/01/2024 04:35	WG2296577
4-Chlorotoluene	U		0.114	1.00	1	06/01/2024 04:35	WG2296577
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/01/2024 04:35	WG2296577
1,2-Dibromoethane	U		0.126	1.00	1	06/01/2024 04:35	WG2296577
Dibromomethane	U		0.122	1.00	1	06/01/2024 04:35	WG2296577
1,2-Dichlorobenzene	U		0.107	1.00	1	06/01/2024 04:35	WG2296577
1,3-Dichlorobenzene	U		0.110	1.00	1	06/01/2024 04:35	WG2296577
1,4-Dichlorobenzene	U		0.120	1.00	1	06/01/2024 04:35	WG2296577
Dichlorodifluoromethane	U		0.374	5.00	1	06/01/2024 04:35	WG2296577
1,1-Dichloroethane	0.421	J	0.100	1.00	1	06/01/2024 04:35	WG2296577
1,2-Dichloroethane	U		0.0819	1.00	1	06/01/2024 04:35	WG2296577
1,1-Dichloroethene	U		0.188	1.00	1	06/01/2024 04:35	WG2296577
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/01/2024 04:35	WG2296577
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/01/2024 04:35	WG2296577
1,2-Dichloropropane	U		0.149	1.00	1	06/01/2024 04:35	WG2296577
1,1-Dichloropropene	U		0.142	1.00	1	06/01/2024 04:35	WG2296577
1,3-Dichloropropane	U		0.110	1.00	1	06/01/2024 04:35	WG2296577
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/01/2024 04:35	WG2296577
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/01/2024 04:35	WG2296577
2,2-Dichloropropane	U		0.161	1.00	1	06/01/2024 04:35	WG2296577
Di-isopropyl ether	U		0.105	1.00	1	06/01/2024 04:35	WG2296577
Ethylbenzene	U		0.137	1.00	1	06/01/2024 04:35	WG2296577
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/01/2024 04:35	WG2296577
Isopropylbenzene	U		0.105	1.00	1	06/01/2024 04:35	WG2296577
p-Isopropyltoluene	U		0.120	1.00	1	06/01/2024 04:35	WG2296577
2-Butanone (MEK)	3.87	J	1.19	10.0	1	06/01/2024 04:35	WG2296577
Methylene Chloride	U		0.430	5.00	1	06/01/2024 04:35	WG2296577
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/01/2024 04:35	WG2296577
Methyl tert-butyl ether	0.211	J	0.101	1.00	1	06/01/2024 04:35	WG2296577
Naphthalene	U		1.00	5.00	1	06/01/2024 04:35	WG2296577
n-Propylbenzene	U		0.0993	1.00	1	06/01/2024 04:35	WG2296577
Styrene	U		0.118	1.00	1	06/01/2024 04:35	WG2296577
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/01/2024 04:35	WG2296577
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/01/2024 04:35	WG2296577
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/01/2024 04:35	WG2296577
Tetrachloroethene	U		0.300	1.00	1	06/01/2024 04:35	WG2296577
Toluene	U		0.278	1.00	1	06/01/2024 04:35	WG2296577
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/01/2024 04:35	WG2296577
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/01/2024 04:35	WG2296577

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/01/2024 04:35	WG2296577
1,1,2-Trichloroethane	U		0.158	1.00	1	06/01/2024 04:35	WG2296577
Trichloroethene	U		0.190	1.00	1	06/01/2024 04:35	WG2296577
Trichlorofluoromethane	U		0.160	5.00	1	06/01/2024 04:35	WG2296577
1,2,3-Trichloropropane	U		0.237	2.50	1	06/01/2024 04:35	WG2296577
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/01/2024 04:35	WG2296577
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 04:35	WG2296577
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/01/2024 04:35	WG2296577
Vinyl chloride	1.26		0.234	1.00	1	06/01/2024 04:35	WG2296577
Xylenes, Total	U		0.174	3.00	1	06/01/2024 04:35	WG2296577
(S) Toluene-d8	*105*			*80.0-120*		*06/01/2024 04:35*	WG2296577
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/01/2024 04:35*	WG2296577
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*06/01/2024 04:35*	WG2296577

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	1670		33.0	100	1	05/30/2024 10:46	WG2294852
C22-C32 Hydrocarbons	700		33.0	100	1	05/30/2024 10:46	WG2294852
C32-C40 Hydrocarbons	311		33.0	100	1	06/02/2024 12:11	WG2294852
(S) o-Terphenyl	*78.4*			*52.0-156*		*06/02/2024 12:11*	WG2294852
(S) o-Terphenyl	*66.3*			*52.0-156*		*05/30/2024 10:46*	WG2294852

Method Blank (MB)

(MB) R4074411-1 05/27/24 10:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740196-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1740196-06 05/27/24 10:05 • (DUP) R4074411-3 05/27/24 10:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.9	96.9	1	0.00413		10

Laboratory Control Sample (LCS)

(LCS) R4074411-2 05/27/24 10:05

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074410-1 05/27/24 09:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740224-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1740224-14 05/27/24 09:58 • (DUP) R4074410-3 05/27/24 09:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.0	81.7	1	0.303		10

Laboratory Control Sample (LCS)

(LCS) R4074410-2 05/27/24 09:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074408-1 05/27/24 09:51

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740233-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1740233-01 05/27/24 09:51 • (DUP) R4074408-3 05/27/24 09:51

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.2	77.4	1	5.63		10

Laboratory Control Sample (LCS)

(LCS) R4074408-2 05/27/24 09:51

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4087024-1 06/26/24 13:44

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739342-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-11 06/26/24 13:44 • (DUP) R4087024-3 06/26/24 13:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.7	85.8	1	1.28		10

Laboratory Control Sample (LCS)

(LCS) R4087024-2 06/26/24 13:44

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4074184-5 05/26/24 20:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074184-1 05/26/24 18:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	3.31	110	80.0-120	

L1740166-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740166-01 05/26/24 18:08 • (MS) R4074184-3 05/26/24 18:13 • (MSD) R4074184-4 05/26/24 18:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.44	3.47	115	116	1	75.0-125			0.741	20

Method Blank (MB)

(MB) R4074501-1 05/28/24 11:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4074501-2 05/28/24 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury,Dissolved	3.00	2.93	97.7	80.0-120	

L1740200-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740200-02 05/28/24 11:10 • (MS) R4074501-4 05/28/24 11:15 • (MSD) R4074501-5 05/28/24 11:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury,Dissolved	3.00	U	2.94	2.89	98.0	96.3	1	75.0-125			1.74	20

Method Blank (MB)

(MB) R4074183-1 05/26/24 19:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4074183-2 05/26/24 19:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.497	99.4	80.0-120	

L1740224-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740224-01 05/26/24 19:05 • (MS) R4074183-4 05/26/24 19:10 • (MSD) R4074183-5 05/26/24 19:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.524	U	U	0.0453	0.000	8.65	1	75.0-125	J6	J3 J6	200	20

Method Blank (MB)

(MB) R4074725-1 05/28/24 18:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4074725-2 05/28/24 18:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.532	106	80.0-120	

L1740403-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740403-02 05/28/24 18:24 • (MS) R4074725-4 05/28/24 18:29 • (MSD) R4074725-5 05/28/24 18:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.538	U	0.469	0.464	87.2	86.2	1	75.0-125			1.18	20

Method Blank (MB)

(MB) R4076715-1 06/03/24 16:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	1.11	J	0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4076715-2 06/03/24 16:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	990	99.0	80.0-120	
Beryllium,Dissolved	1000	961	96.1	80.0-120	
Chromium,Dissolved	1000	991	99.1	80.0-120	
Cobalt,Dissolved	1000	920	92.0	80.0-120	
Molybdenum,Dissolved	1000	967	96.7	80.0-120	
Vanadium,Dissolved	1000	955	95.5	80.0-120	

L1740200-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740200-04 06/03/24 16:29 • (MS) R4076715-4 06/03/24 16:33 • (MSD) R4076715-5 06/03/24 16:34

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000		1060	1080	97.3	99.5	1	75.0-125			2.03	20
Beryllium,Dissolved	1000		967	982	96.7	98.2	1	75.0-125			1.53	20
Chromium,Dissolved	1000	2.16	989	1000	98.7	100	1	75.0-125			1.51	20
Cobalt,Dissolved	1000		924	944	92.3	94.3	1	75.0-125			2.16	20
Molybdenum,Dissolved	1000		1030	1050	96.7	98.2	1	75.0-125			1.51	20
Vanadium,Dissolved	1000		961	975	96.1	97.5	1	75.0-125			1.48	20

Method Blank (MB)

(MB) R4077339-1 06/04/24 23:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	0.146	J	0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077339-2 06/04/24 23:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	92.9	92.9	80.0-120	
Arsenic	100	91.6	91.6	80.0-120	
Barium	100	94.7	94.7	80.0-120	
Beryllium	100	91.7	91.7	80.0-120	
Cadmium	100	89.4	89.4	80.0-120	
Chromium	100	96.2	96.2	80.0-120	
Cobalt	100	91.0	91.0	80.0-120	
Copper	100	92.7	92.7	80.0-120	
Lead	100	94.8	94.8	80.0-120	
Molybdenum	100	95.5	95.5	80.0-120	
Nickel	100	89.2	89.2	80.0-120	
Selenium	100	89.6	89.6	80.0-120	
Silver	20.0	18.8	93.9	80.0-120	
Thallium	100	94.5	94.5	80.0-120	
Vanadium	100	90.7	90.7	80.0-120	
Zinc	100	93.6	93.6	80.0-120	

L1742687-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742687-01 06/04/24 23:26 • (MS) R4077339-5 06/04/24 23:31 • (MSD) R4077339-6 06/04/24 23:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	8.35	85.1	84.3	76.8	76.0	1	75.0-125			0.957	20
Arsenic	100	101	222	112	120	10.6	1	75.0-125		J3 J6	65.8	20
Barium	100	34.5	148	140	113	105	1	75.0-125			5.58	20
Beryllium	100	3.97	101	104	96.7	100	1	75.0-125			3.40	20
Cadmium	100	U	98.9	101	98.9	101	1	75.0-125			2.44	20
Chromium	100	58.0	181	137	123	79.2	1	75.0-125		J3	27.3	20
Cobalt	100	4.32	101	101	96.6	96.9	1	75.0-125			0.255	20
Copper	100	8.02	115	119	107	111	1	75.0-125			3.71	20
Lead	100	82.4	186	145	103	63.1	1	75.0-125		J3 J6	24.3	20
Molybdenum	100	U	62.1	62.5	62.1	62.5	1	75.0-125	J6	J6	0.725	20
Nickel	100	34.0	129	123	94.7	88.7	1	75.0-125			4.78	20
Selenium	100	U	19.9	25.5	19.9	25.5	1	75.0-125	J6	J3 J6	24.9	20
Silver	20.0	36.5	58.1	39.2	108	13.9	1	75.0-125		J3 J6	38.8	20
Thallium	100	8.12	104	105	95.5	96.6	1	75.0-125			1.14	20
Vanadium	100	337	421	361	84.0	23.9	1	75.0-125		J6	15.4	20
Zinc	100	4030	4180	4190	147	152	1	75.0-125	E V	E V	0.105	20

Method Blank (MB)

(MB) R4087553-1 06/27/24 20:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nickel	0.181	J	0.132	2.00

Laboratory Control Sample (LCS)

(LCS) R4087553-2 06/27/24 20:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel	100	97.7	97.7	80.0-120	

L1750258-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1750258-01 06/27/24 20:05 • (MS) R4087553-5 06/27/24 20:10 • (MSD) R4087553-6 06/27/24 20:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel	114	4.00	111	112	93.9	94.8	1	75.0-125			0.879	20

Method Blank (MB)

(MB) R4082125-1 06/15/24 11:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4082125-6 06/15/24 12:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	52.1	104	80.0-120	
Arsenic,Dissolved	50.0	50.6	101	80.0-120	
Cadmium,Dissolved	50.0	50.9	102	80.0-120	
Copper,Dissolved	50.0	50.3	101	80.0-120	
Lead,Dissolved	50.0	48.8	97.6	80.0-120	
Nickel,Dissolved	50.0	53.0	106	80.0-120	
Selenium,Dissolved	50.0	50.8	102	80.0-120	
Silver,Dissolved	50.0	51.3	103	80.0-120	
Thallium,Dissolved	50.0	48.0	96.1	80.0-120	
Zinc,Dissolved	50.0	49.3	98.7	80.0-120	

L1740200-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740200-01 06/15/24 11:49 • (MS) R4082125-4 06/15/24 11:55 • (MSD) R4082125-5 06/15/24 11:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0		59.3	59.0	119	118	1	75.0-125			0.550	20
Arsenic,Dissolved	50.0	5.41	60.6	60.9	110	111	1	75.0-125			0.474	20
Cadmium,Dissolved	50.0		58.7	58.3	117	117	1	75.0-125			0.632	20
Copper,Dissolved	50.0		56.4	54.6	110	106	1	75.0-125			3.20	20
Lead,Dissolved	50.0	U	56.1	56.7	112	113	1	75.0-125			1.05	20
Nickel,Dissolved	50.0		56.5	55.4	113	111	1	75.0-125			2.00	20
Selenium,Dissolved	50.0		57.1	57.1	114	114	1	75.0-125			0.0387	20

L1740200-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740200-01 06/15/24 11:49 • (MS) R4082125-4 06/15/24 11:55 • (MSD) R4082125-5 06/15/24 11:59

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0		59.0	57.8	118	116	1	75.0-125			2.14	20
Thallium,Dissolved	50.0		54.3	55.7	109	111	1	75.0-125			2.55	20
Zinc,Dissolved	50.0	U	61.1	60.6	122	121	1	75.0-125			0.693	20

Method Blank (MB)

(MB) R4080959-1 06/12/24 20:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	1.25		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4080959-2 06/12/24 21:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	56.9	114	80.0-120	
Arsenic	50.0	51.5	103	80.0-120	
Barium	50.0	49.7	99.4	80.0-120	
Beryllium	50.0	48.4	96.7	80.0-120	
Cadmium	50.0	53.9	108	80.0-120	
Chromium	50.0	52.9	106	80.0-120	
Copper	50.0	48.7	97.4	80.0-120	
Cobalt	50.0	53.2	106	80.0-120	
Lead	50.0	50.4	101	80.0-120	
Molybdenum	50.0	51.2	102	80.0-120	
Nickel	50.0	52.8	106	80.0-120	
Selenium	50.0	51.0	102	80.0-120	
Silver	50.0	54.1	108	80.0-120	
Thallium	50.0	50.5	101	80.0-120	
Vanadium	50.0	52.0	104	80.0-120	
Zinc	50.0	50.6	101	80.0-120	

L1740163-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740163-06 06/12/24 21:05 • (MS) R4080959-4 06/12/24 21:11 • (MSD) R4080959-5 06/12/24 21:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	59.3	59.5	119	119	1	75.0-125			0.344	20
Arsenic	50.0	0.420	52.4	53.9	104	107	1	75.0-125			2.84	20
Barium	50.0	322	393	387	142	130	1	75.0-125	V	V	1.54	20
Beryllium	50.0	U	49.6	47.8	99.3	95.5	1	75.0-125			3.85	20
Cadmium	50.0	U	54.9	57.5	110	115	1	75.0-125			4.64	20
Chromium	50.0	U	52.7	53.4	105	107	1	75.0-125			1.31	20
Copper	50.0	1.89	49.2	49.4	94.7	95.1	1	75.0-125			0.405	20
Cobalt	50.0	0.783	52.9	53.8	104	106	1	75.0-125			1.60	20
Lead	50.0	U	51.5	52.1	103	104	1	75.0-125			1.27	20
Molybdenum	50.0	0.688	55.3	54.6	111	109	1	75.0-125			1.25	20
Nickel	50.0	1.36	54.1	54.0	105	105	1	75.0-125			0.155	20
Selenium	50.0	6.30	59.5	58.9	106	105	1	75.0-125			1.04	20
Silver	50.0	U	56.8	55.4	114	111	1	75.0-125			2.42	20
Thallium	50.0	U	50.5	50.7	101	101	1	75.0-125			0.409	20
Vanadium	50.0	1.79	54.5	54.9	105	106	1	75.0-125			0.713	20
Zinc	50.0	3.70	55.3	54.9	111	110	1	75.0-125			0.781	20

Method Blank (MB)

(MB) R4076521-3 05/29/24 11:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	69.6	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076521-1 05/29/24 10:13 • (LCSD) R4076521-2 05/29/24 10:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5000	4400	5250	88.0	105	71.0-127			17.6	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*109*	*78.0-120*				

Method Blank (MB)

(MB) R4076642-2 05/30/24 02:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.05	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076642-1 05/30/24 00:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.52	90.4	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

Method Blank (MB)

(MB) R4076304-2 05/30/24 16:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.23	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076304-1 05/30/24 15:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.90	98.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

L1739865-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739865-29 05/30/24 17:31 • (MS) R4076304-3 05/30/24 23:40 • (MSD) R4076304-4 05/30/24 23:59

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	227	2.74	251	253	109	110	25	10.0-141			0.722	29
(S) a,a,a-Trifluorotoluene(FID)					*103*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R4076443-2 06/03/24 00:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.38	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076443-1 06/02/24 23:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.49	89.8	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*99.7*	*77.0-120*	

Method Blank (MB)

(MB) R4076890-3 06/03/24 12:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.69	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076890-1 06/03/24 10:43 • (LCSD) R4076890-2 06/03/24 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.62	5.55	112	111	72.0-125			1.25	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*102*	*77.0-120*				

Method Blank (MB)

(MB) R4078313-3 06/06/24 11:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.60	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078313-1 06/06/24 09:49 • (LCSD) R4078313-2 06/06/24 10:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.40	5.38	108	108	72.0-125			0.371	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*103*	*77.0-120*				

Method Blank (MB)

(MB) R4078688-5 06/07/24 03:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078688-1 06/06/24 22:36 • (LCSD) R4078688-2 06/06/24 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.55	4.18	91.0	83.6	72.0-125			8.48	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*98.2*	*77.0-120*				

L1740668-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-12 06/07/24 08:13 • (MS) R4078688-6 06/07/24 13:37 • (MSD) R4078688-7 06/07/24 14:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	151	1.52	154	170	101	112	25	10.0-141			9.81	29
(S) a,a,a-Trifluorotoluene(FID)					*102*	*104*		*77.0-120*				

Method Blank (MB)

(MB) R4076274-3 05/30/24 17:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4076274-3 05/30/24 17:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*95.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*82.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076274-1 05/30/24 15:20 • (LCSD) R4076274-2 05/30/24 15:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.856	0.971	137	155	10.0-160			12.6	31
Acrylonitrile	0.625	0.620	0.628	99.2	100	45.0-153			1.28	22
Benzene	0.125	0.115	0.110	92.0	88.0	70.0-123			4.44	20
Bromobenzene	0.125	0.118	0.115	94.4	92.0	73.0-121			2.58	20
Bromodichloromethane	0.125	0.113	0.111	90.4	88.8	73.0-121			1.79	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076274-1 05/30/24 15:20 • (LCSD) R4076274-2 05/30/24 15:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.105	0.111	84.0	88.8	64.0-132			5.56	20
Bromomethane	0.125	0.133	0.131	106	105	56.0-147			1.52	20
n-Butylbenzene	0.125	0.0992	0.0989	79.4	79.1	68.0-135			0.303	20
sec-Butylbenzene	0.125	0.117	0.117	93.6	93.6	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.0950	0.0912	76.0	73.0	75.0-127		J4	4.08	20
Carbon tetrachloride	0.125	0.117	0.113	93.6	90.4	66.0-128			3.48	20
Chlorobenzene	0.125	0.117	0.117	93.6	93.6	76.0-128			0.000	20
Chlorodibromomethane	0.125	0.101	0.101	80.8	80.8	74.0-127			0.000	20
Chloroethane	0.125	0.156	0.155	125	124	61.0-134			0.643	20
Chloroform	0.125	0.116	0.115	92.8	92.0	72.0-123			0.866	20
Chloromethane	0.125	0.140	0.132	112	106	51.0-138			5.88	20
2-Chlorotoluene	0.125	0.106	0.111	84.8	88.8	75.0-124			4.61	20
4-Chlorotoluene	0.125	0.112	0.109	89.6	87.2	75.0-124			2.71	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.109	84.8	87.2	59.0-130			2.79	20
1,2-Dibromoethane	0.125	0.108	0.106	86.4	84.8	74.0-128			1.87	20
Dibromomethane	0.125	0.117	0.119	93.6	95.2	75.0-122			1.69	20
1,2-Dichlorobenzene	0.125	0.118	0.114	94.4	91.2	76.0-124			3.45	20
1,3-Dichlorobenzene	0.125	0.117	0.117	93.6	93.6	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.118	0.113	94.4	90.4	77.0-121			4.33	20
Dichlorodifluoromethane	0.125	0.123	0.118	98.4	94.4	43.0-156			4.15	20
1,1-Dichloroethane	0.125	0.125	0.120	100	96.0	70.0-127			4.08	20
1,2-Dichloroethane	0.125	0.104	0.104	83.2	83.2	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.121	0.114	96.8	91.2	65.0-131			5.96	20
cis-1,2-Dichloroethene	0.125	0.115	0.113	92.0	90.4	73.0-125			1.75	20
trans-1,2-Dichloroethene	0.125	0.120	0.116	96.0	92.8	71.0-125			3.39	20
1,2-Dichloropropane	0.125	0.115	0.112	92.0	89.6	74.0-125			2.64	20
1,1-Dichloropropene	0.125	0.116	0.107	92.8	85.6	73.0-125			8.07	20
1,3-Dichloropropane	0.125	0.119	0.120	95.2	96.0	80.0-125			0.837	20
cis-1,3-Dichloropropene	0.125	0.109	0.115	87.2	92.0	76.0-127			5.36	20
trans-1,3-Dichloropropene	0.125	0.0985	0.0983	78.8	78.6	73.0-127			0.203	20
2,2-Dichloropropane	0.125	0.115	0.108	92.0	86.4	59.0-135			6.28	20
Di-isopropyl ether	0.125	0.119	0.120	95.2	96.0	60.0-136			0.837	20
Ethylbenzene	0.125	0.117	0.107	93.6	85.6	74.0-126			8.93	20
Hexachloro-1,3-butadiene	0.125	0.104	0.0983	83.2	78.6	57.0-150			5.64	20
Isopropylbenzene	0.125	0.115	0.110	92.0	88.0	72.0-127			4.44	20
p-Isopropyltoluene	0.125	0.0977	0.0928	78.2	74.2	72.0-133			5.14	20
2-Butanone (MEK)	0.625	1.02	1.02	163	163	30.0-160	J4	J4	0.000	24
Methylene Chloride	0.125	0.128	0.120	102	96.0	68.0-123			6.45	20
4-Methyl-2-pentanone (MIBK)	0.625	0.586	0.580	93.8	92.8	56.0-143			1.03	20
Methyl tert-butyl ether	0.125	0.118	0.120	94.4	96.0	66.0-132			1.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076274-1 05/30/24 15:20 • (LCSD) R4076274-2 05/30/24 15:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.109	0.108	87.2	86.4	59.0-130			0.922	20
n-Propylbenzene	0.125	0.113	0.107	90.4	85.6	74.0-126			5.45	20
Styrene	0.125	0.111	0.108	88.8	86.4	72.0-127			2.74	20
1,1,1,2-Tetrachloroethane	0.125	0.111	0.109	88.8	87.2	74.0-129			1.82	20
1,1,2,2-Tetrachloroethane	0.125	0.113	0.105	90.4	84.0	68.0-128			7.34	20
1,1,2-Trichlorotrifluoroethane	0.125	0.121	0.115	96.8	92.0	61.0-139			5.08	20
Tetrachloroethene	0.125	0.108	0.103	86.4	82.4	70.0-136			4.74	20
Toluene	0.125	0.108	0.0994	86.4	79.5	75.0-121			8.29	20
1,2,3-Trichlorobenzene	0.125	0.107	0.107	85.6	85.6	59.0-139			0.000	20
1,2,4-Trichlorobenzene	0.125	0.107	0.104	85.6	83.2	62.0-137			2.84	20
1,1,1-Trichloroethane	0.125	0.117	0.115	93.6	92.0	69.0-126			1.72	20
1,1,2-Trichloroethane	0.125	0.119	0.114	95.2	91.2	78.0-123			4.29	20
Trichloroethene	0.125	0.122	0.111	97.6	88.8	76.0-126			9.44	20
Trichlorofluoromethane	0.125	0.148	0.148	118	118	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.115	0.104	92.0	83.2	67.0-129			10.0	20
1,2,4-Trimethylbenzene	0.125	0.0980	0.0938	78.4	75.0	70.0-126			4.38	20
1,2,3-Trimethylbenzene	0.125	0.114	0.108	91.2	86.4	74.0-124			5.41	20
1,3,5-Trimethylbenzene	0.125	0.109	0.0995	87.2	79.6	73.0-127			9.11	20
Vinyl chloride	0.125	0.147	0.139	118	111	63.0-134			5.59	20
Xylenes, Total	0.375	0.336	0.323	89.6	86.1	72.0-127			3.95	20
(S) Toluene-d8				*93.3*	*92.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.3*	*99.8*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.4*	*96.6*	*70.0-130*				

Method Blank (MB)

(MB) R4076096-3 05/30/24 20:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4076096-3 05/30/24 20:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*96.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*107*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076096-1 05/30/24 17:29 • (LCSD) R4076096-2 05/30/24 17:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.13	1.35	181	216	10.0-160	J4	J4	17.7	31
Acrylonitrile	0.625	0.796	0.908	127	145	45.0-153			13.1	22
Benzene	0.125	0.114	0.112	91.2	89.6	70.0-123			1.77	20
Bromobenzene	0.125	0.106	0.113	84.8	90.4	73.0-121			6.39	20
Bromodichloromethane	0.125	0.121	0.123	96.8	98.4	73.0-121			1.64	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076096-1 05/30/24 17:29 • (LCSD) R4076096-2 05/30/24 17:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.109	0.111	87.2	88.8	64.0-132			1.82	20
Bromomethane	0.125	0.119	0.118	95.2	94.4	56.0-147			0.844	20
n-Butylbenzene	0.125	0.103	0.103	82.4	82.4	68.0-135			0.000	20
sec-Butylbenzene	0.125	0.119	0.120	95.2	96.0	74.0-130			0.837	20
tert-Butylbenzene	0.125	0.117	0.122	93.6	97.6	75.0-127			4.18	20
Carbon tetrachloride	0.125	0.131	0.128	105	102	66.0-128			2.32	20
Chlorobenzene	0.125	0.109	0.111	87.2	88.8	76.0-128			1.82	20
Chlorodibromomethane	0.125	0.112	0.115	89.6	92.0	74.0-127			2.64	20
Chloroethane	0.125	0.124	0.129	99.2	103	61.0-134			3.95	20
Chloroform	0.125	0.115	0.109	92.0	87.2	72.0-123			5.36	20
Chloromethane	0.125	0.112	0.115	89.6	92.0	51.0-138			2.64	20
2-Chlorotoluene	0.125	0.118	0.119	94.4	95.2	75.0-124			0.844	20
4-Chlorotoluene	0.125	0.112	0.116	89.6	92.8	75.0-124			3.51	20
1,2-Dibromo-3-Chloropropane	0.125	0.110	0.129	88.0	103	59.0-130			15.9	20
1,2-Dibromoethane	0.125	0.114	0.123	91.2	98.4	74.0-128			7.59	20
Dibromomethane	0.125	0.111	0.110	88.8	88.0	75.0-122			0.905	20
1,2-Dichlorobenzene	0.125	0.103	0.105	82.4	84.0	76.0-124			1.92	20
1,3-Dichlorobenzene	0.125	0.106	0.108	84.8	86.4	76.0-125			1.87	20
1,4-Dichlorobenzene	0.125	0.105	0.109	84.0	87.2	77.0-121			3.74	20
Dichlorodifluoromethane	0.125	0.137	0.138	110	110	43.0-156			0.727	20
1,1-Dichloroethane	0.125	0.128	0.122	102	97.6	70.0-127			4.80	20
1,2-Dichloroethane	0.125	0.108	0.113	86.4	90.4	65.0-131			4.52	20
1,1-Dichloroethene	0.125	0.126	0.121	101	96.8	65.0-131			4.05	20
cis-1,2-Dichloroethene	0.125	0.122	0.115	97.6	92.0	73.0-125			5.91	20
trans-1,2-Dichloroethene	0.125	0.121	0.114	96.8	91.2	71.0-125			5.96	20
1,2-Dichloropropane	0.125	0.119	0.118	95.2	94.4	74.0-125			0.844	20
1,1-Dichloropropene	0.125	0.126	0.123	101	98.4	73.0-125			2.41	20
1,3-Dichloropropane	0.125	0.112	0.119	89.6	95.2	80.0-125			6.06	20
cis-1,3-Dichloropropene	0.125	0.125	0.128	100	102	76.0-127			2.37	20
trans-1,3-Dichloropropene	0.125	0.115	0.119	92.0	95.2	73.0-127			3.42	20
2,2-Dichloropropane	0.125	0.131	0.121	105	96.8	59.0-135			7.94	20
Di-isopropyl ether	0.125	0.123	0.123	98.4	98.4	60.0-136			0.000	20
Ethylbenzene	0.125	0.111	0.113	88.8	90.4	74.0-126			1.79	20
Hexachloro-1,3-butadiene	0.125	0.115	0.108	92.0	86.4	57.0-150			6.28	20
Isopropylbenzene	0.125	0.113	0.113	90.4	90.4	72.0-127			0.000	20
p-Isopropyltoluene	0.125	0.111	0.113	88.8	90.4	72.0-133			1.79	20
2-Butanone (MEK)	0.625	0.964	1.00	154	160	30.0-160			3.67	24
Methylene Chloride	0.125	0.114	0.111	91.2	88.8	68.0-123			2.67	20
4-Methyl-2-pentanone (MIBK)	0.625	0.697	0.739	112	118	56.0-143			5.85	20
Methyl tert-butyl ether	0.125	0.114	0.121	91.2	96.8	66.0-132			5.96	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076096-1 05/30/24 17:29 • (LCSD) R4076096-2 05/30/24 17:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0832	0.0871	66.6	69.7	59.0-130			4.58	20
n-Propylbenzene	0.125	0.118	0.122	94.4	97.6	74.0-126			3.33	20
Styrene	0.125	0.107	0.109	85.6	87.2	72.0-127			1.85	20
1,1,1,2-Tetrachloroethane	0.125	0.106	0.106	84.8	84.8	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.105	0.110	84.0	88.0	68.0-128			4.65	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.132	101	106	61.0-139			4.65	20
Tetrachloroethene	0.125	0.115	0.120	92.0	96.0	70.0-136			4.26	20
Toluene	0.125	0.109	0.112	87.2	89.6	75.0-121			2.71	20
1,2,3-Trichlorobenzene	0.125	0.0945	0.102	75.6	81.6	59.0-139			7.63	20
1,2,4-Trichlorobenzene	0.125	0.0938	0.0954	75.0	76.3	62.0-137			1.69	20
1,1,1-Trichloroethane	0.125	0.132	0.122	106	97.6	69.0-126			7.87	20
1,1,2-Trichloroethane	0.125	0.112	0.117	89.6	93.6	78.0-123			4.37	20
Trichloroethene	0.125	0.126	0.126	101	101	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.152	0.153	122	122	61.0-142			0.656	20
1,2,3-Trichloropropane	0.125	0.114	0.129	91.2	103	67.0-129			12.3	20
1,2,4-Trimethylbenzene	0.125	0.105	0.106	84.0	84.8	70.0-126			0.948	20
1,2,3-Trimethylbenzene	0.125	0.104	0.105	83.2	84.0	74.0-124			0.957	20
1,3,5-Trimethylbenzene	0.125	0.111	0.111	88.8	88.8	73.0-127			0.000	20
Vinyl chloride	0.125	0.119	0.121	95.2	96.8	63.0-134			1.67	20
Xylenes, Total	0.375	0.332	0.339	88.5	90.4	72.0-127			2.09	20
(S) Toluene-d8				*97.2*	*99.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*97.5*	*70.0-130*				

Method Blank (MB)

(MB) R4076461-3 06/02/24 14:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4076461-3 06/02/24 14:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076461-1 06/02/24 13:04 • (LCSD) R4076461-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.607	0.583	97.1	93.3	10.0-160			4.03	31
Acrylonitrile	0.625	0.538	0.588	86.1	94.1	45.0-153			8.88	22
Benzene	0.125	0.122	0.123	97.6	98.4	70.0-123			0.816	20
Bromobenzene	0.125	0.124	0.122	99.2	97.6	73.0-121			1.63	20
Bromodichloromethane	0.125	0.118	0.120	94.4	96.0	73.0-121			1.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076461-1 06/02/24 13:04 • (LCSD) R4076461-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.109	0.103	87.2	82.4	64.0-132			5.66	20
Bromomethane	0.125	0.102	0.120	81.6	96.0	56.0-147			16.2	20
n-Butylbenzene	0.125	0.133	0.134	106	107	68.0-135			0.749	20
sec-Butylbenzene	0.125	0.127	0.124	102	99.2	74.0-130			2.39	20
tert-Butylbenzene	0.125	0.129	0.123	103	98.4	75.0-127			4.76	20
Carbon tetrachloride	0.125	0.120	0.127	96.0	102	66.0-128			5.67	20
Chlorobenzene	0.125	0.129	0.125	103	100	76.0-128			3.15	20
Chlorodibromomethane	0.125	0.124	0.124	99.2	99.2	74.0-127			0.000	20
Chloroethane	0.125	0.125	0.138	100	110	61.0-134			9.89	20
Chloroform	0.125	0.117	0.124	93.6	99.2	72.0-123			5.81	20
Chloromethane	0.125	0.129	0.145	103	116	51.0-138			11.7	20
2-Chlorotoluene	0.125	0.123	0.127	98.4	102	75.0-124			3.20	20
4-Chlorotoluene	0.125	0.117	0.117	93.6	93.6	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.0963	0.0960	77.0	76.8	59.0-130			0.312	20
1,2-Dibromoethane	0.125	0.119	0.118	95.2	94.4	74.0-128			0.844	20
Dibromomethane	0.125	0.122	0.127	97.6	102	75.0-122			4.02	20
1,2-Dichlorobenzene	0.125	0.124	0.122	99.2	97.6	76.0-124			1.63	20
1,3-Dichlorobenzene	0.125	0.125	0.126	100	101	76.0-125			0.797	20
1,4-Dichlorobenzene	0.125	0.123	0.119	98.4	95.2	77.0-121			3.31	20
Dichlorodifluoromethane	0.125	0.137	0.146	110	117	43.0-156			6.36	20
1,1-Dichloroethane	0.125	0.118	0.127	94.4	102	70.0-127			7.35	20
1,2-Dichloroethane	0.125	0.115	0.122	92.0	97.6	65.0-131			5.91	20
1,1-Dichloroethene	0.125	0.127	0.134	102	107	65.0-131			5.36	20
cis-1,2-Dichloroethene	0.125	0.125	0.129	100	103	73.0-125			3.15	20
trans-1,2-Dichloroethene	0.125	0.121	0.131	96.8	105	71.0-125			7.94	20
1,2-Dichloropropane	0.125	0.121	0.124	96.8	99.2	74.0-125			2.45	20
1,1-Dichloropropene	0.125	0.123	0.132	98.4	106	73.0-125			7.06	20
1,3-Dichloropropane	0.125	0.127	0.126	102	101	80.0-125			0.791	20
cis-1,3-Dichloropropene	0.125	0.114	0.121	91.2	96.8	76.0-127			5.96	20
trans-1,3-Dichloropropene	0.125	0.121	0.122	96.8	97.6	73.0-127			0.823	20
2,2-Dichloropropane	0.125	0.0874	0.110	69.9	88.0	59.0-135		J3	22.9	20
Di-isopropyl ether	0.125	0.120	0.126	96.0	101	60.0-136			4.88	20
Ethylbenzene	0.125	0.126	0.132	101	106	74.0-126			4.65	20
Hexachloro-1,3-butadiene	0.125	0.126	0.135	101	108	57.0-150			6.90	20
Isopropylbenzene	0.125	0.123	0.128	98.4	102	72.0-127			3.98	20
p-Isopropyltoluene	0.125	0.128	0.129	102	103	72.0-133			0.778	20
2-Butanone (MEK)	0.625	0.695	0.687	111	110	30.0-160			1.16	24
Methylene Chloride	0.125	0.122	0.127	97.6	102	68.0-123			4.02	20
4-Methyl-2-pentanone (MIBK)	0.625	0.626	0.614	100	98.2	56.0-143			1.94	20
Methyl tert-butyl ether	0.125	0.118	0.114	94.4	91.2	66.0-132			3.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076461-1 06/02/24 13:04 • (LCSD) R4076461-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.111	0.124	88.8	99.2	59.0-130			11.1	20
n-Propylbenzene	0.125	0.123	0.121	98.4	96.8	74.0-126			1.64	20
Styrene	0.125	0.126	0.129	101	103	72.0-127			2.35	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.125	97.6	100	74.0-129			2.43	20
1,1,2,2-Tetrachloroethane	0.125	0.0909	0.0958	72.7	76.6	68.0-128			5.25	20
1,1,2-Trichlorotrifluoroethane	0.125	0.131	0.129	105	103	61.0-139			1.54	20
Tetrachloroethene	0.125	0.140	0.143	112	114	70.0-136			2.12	20
Toluene	0.125	0.125	0.122	100	97.6	75.0-121			2.43	20
1,2,3-Trichlorobenzene	0.125	0.121	0.130	96.8	104	59.0-139			7.17	20
1,2,4-Trichlorobenzene	0.125	0.121	0.133	96.8	106	62.0-137			9.45	20
1,1,1-Trichloroethane	0.125	0.130	0.130	104	104	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.123	0.121	98.4	96.8	78.0-123			1.64	20
Trichloroethene	0.125	0.136	0.124	109	99.2	76.0-126			9.23	20
Trichlorofluoromethane	0.125	0.125	0.131	100	105	61.0-142			4.69	20
1,2,3-Trichloropropane	0.125	0.120	0.122	96.0	97.6	67.0-129			1.65	20
1,2,4-Trimethylbenzene	0.125	0.130	0.122	104	97.6	70.0-126			6.35	20
1,2,3-Trimethylbenzene	0.125	0.125	0.123	100	98.4	74.0-124			1.61	20
1,3,5-Trimethylbenzene	0.125	0.126	0.129	101	103	73.0-127			2.35	20
Vinyl chloride	0.125	0.126	0.147	101	118	63.0-134			15.4	20
Xylenes, Total	0.375	0.369	0.374	98.4	99.7	72.0-127			1.35	20
(S) Toluene-d8				*102*	*100*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*96.1*	*96.4*	*70.0-130*				

Method Blank (MB)

(MB) R4076288-2 05/31/24 21:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4076288-2 05/31/24 21:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*96.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4076288-1 05/31/24 21:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	25.4	102	19.0-160	J
Acrolein	25.0	27.1	108	10.0-160	J
Acrylonitrile	25.0	29.5	118	55.0-149	
Benzene	5.00	4.74	94.8	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4076288-1 05/31/24 21:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	4.99	99.8	73.0-121	
Bromodichloromethane	5.00	4.91	98.2	75.0-120	
Bromoform	5.00	4.43	88.6	68.0-132	
Bromomethane	5.00	4.60	92.0	10.0-160	J
n-Butylbenzene	5.00	4.77	95.4	73.0-125	
sec-Butylbenzene	5.00	4.96	99.2	75.0-125	
tert-Butylbenzene	5.00	5.29	106	76.0-124	
Carbon tetrachloride	5.00	5.16	103	68.0-126	
Chlorobenzene	5.00	5.05	101	80.0-121	
Chlorodibromomethane	5.00	4.88	97.6	77.0-125	
Chloroethane	5.00	5.14	103	47.0-150	
Chloroform	5.00	4.86	97.2	73.0-120	J
Chloromethane	5.00	4.75	95.0	41.0-142	
2-Chlorotoluene	5.00	4.98	99.6	76.0-123	
4-Chlorotoluene	5.00	5.51	110	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.78	116	58.0-134	
1,2-Dibromoethane	5.00	5.16	103	80.0-122	
Dibromomethane	5.00	5.19	104	80.0-120	
1,2-Dichlorobenzene	5.00	5.01	100	79.0-121	
1,3-Dichlorobenzene	5.00	5.05	101	79.0-120	
1,4-Dichlorobenzene	5.00	4.94	98.8	79.0-120	
Dichlorodifluoromethane	5.00	5.75	115	51.0-149	
1,1-Dichloroethane	5.00	4.90	98.0	70.0-126	
1,2-Dichloroethane	5.00	5.27	105	70.0-128	
1,1-Dichloroethene	5.00	5.30	106	71.0-124	
cis-1,2-Dichloroethene	5.00	4.63	92.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.69	93.8	73.0-120	
1,2-Dichloropropane	5.00	5.27	105	77.0-125	
1,1-Dichloropropene	5.00	5.12	102	74.0-126	
1,3-Dichloropropane	5.00	5.04	101	80.0-120	
cis-1,3-Dichloropropene	5.00	5.35	107	80.0-123	
trans-1,3-Dichloropropene	5.00	5.22	104	78.0-124	
2,2-Dichloropropane	5.00	4.90	98.0	58.0-130	
Di-isopropyl ether	5.00	5.25	105	58.0-138	
Ethylbenzene	5.00	5.03	101	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.00	80.0	54.0-138	
Isopropylbenzene	5.00	5.33	107	76.0-127	
p-Isopropyltoluene	5.00	5.02	100	76.0-125	
2-Butanone (MEK)	25.0	32.9	132	44.0-160	
Methylene Chloride	5.00	5.17	103	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4076288-1 05/31/24 21:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	29.1	116	68.0-142	
Methyl tert-butyl ether	5.00	5.30	106	68.0-125	
Naphthalene	5.00	4.54	90.8	54.0-135	J
n-Propylbenzene	5.00	4.73	94.6	77.0-124	
Styrene	5.00	5.25	105	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.29	106	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.42	108	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.25	105	69.0-132	
Tetrachloroethene	5.00	5.16	103	72.0-132	
Toluene	5.00	4.76	95.2	79.0-120	
1,2,3-Trichlorobenzene	5.00	5.00	100	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.05	81.0	57.0-137	
1,1,1-Trichloroethane	5.00	5.53	111	73.0-124	
1,1,2-Trichloroethane	5.00	4.82	96.4	80.0-120	
Trichloroethene	5.00	5.22	104	78.0-124	
Trichlorofluoromethane	5.00	4.67	93.4	59.0-147	J
1,2,3-Trichloropropane	5.00	5.23	105	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.38	108	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.12	102	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.23	105	76.0-122	
Vinyl chloride	5.00	5.14	103	67.0-131	
Xylenes, Total	15.0	15.8	105	79.0-123	
(S) Toluene-d8			*99.3*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*102*	*70.0-130*	

L1739689-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739689-01 06/01/24 01:04 • (MS) R4076288-3 06/01/24 05:52 • (MSD) R4076288-4 06/01/24 06:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	32.2	52.2	129	209	1	10.0-160		J3 J5	47.4	35
Acrolein	25.0	U	33.1	42.9	132	172	1	10.0-160	J	J J5	25.8	39
Acrylonitrile	25.0	U	35.2	42.2	141	169	1	21.0-160		J5	18.1	32
Benzene	5.00	U	6.88	6.48	138	130	1	17.0-158			5.99	27
Bromobenzene	5.00	U	6.63	5.42	133	108	1	30.0-149			20.1	28
Bromodichloromethane	5.00	U	6.88	6.51	138	130	1	31.0-150			5.53	27
Bromoform	5.00	U	5.72	5.87	114	117	1	29.0-150			2.59	29
Bromomethane	5.00	U	5.57	4.62	111	92.4	1	10.0-160			18.6	38

L1739689-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739689-01 06/01/24 01:04 • (MS) R4076288-3 06/01/24 05:52 • (MSD) R4076288-4 06/01/24 06:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	U	6.78	7.72	136	154	1	31.0-150		J5	13.0	30
sec-Butylbenzene	5.00	U	7.77	7.29	155	146	1	33.0-155			6.37	29
tert-Butylbenzene	5.00	U	8.79	6.74	176	135	1	34.0-153	J5		26.4	28
Carbon tetrachloride	5.00	U	8.18	7.45	164	149	1	23.0-159	J5		9.34	28
Chlorobenzene	5.00	U	6.62	6.33	132	127	1	33.0-152			4.48	27
Chlorodibromomethane	5.00	U	6.36	6.05	127	121	1	37.0-149			5.00	27
Chloroethane	5.00	U	6.59	6.07	132	121	1	10.0-160			8.21	30
Chloroform	5.00	U	6.98	6.62	140	132	1	29.0-154			5.29	28
Chloromethane	5.00	U	7.02	6.84	140	137	1	10.0-160			2.60	29
2-Chlorotoluene	5.00	U	6.75	5.99	135	120	1	32.0-153			11.9	28
4-Chlorotoluene	5.00	U	7.08	6.08	142	122	1	32.0-150			15.2	28
1,2-Dibromo-3-Chloropropane	5.00	U	6.52	6.83	130	137	1	22.0-151			4.64	34
1,2-Dibromoethane	5.00	U	6.40	6.25	128	125	1	34.0-147			2.37	27
Dibromomethane	5.00	U	6.51	6.54	130	131	1	30.0-151			0.460	27
1,2-Dichlorobenzene	5.00	U	6.26	6.57	125	131	1	34.0-149			4.83	28
1,3-Dichlorobenzene	5.00	U	6.61	6.33	132	127	1	36.0-146			4.33	27
1,4-Dichlorobenzene	5.00	U	6.24	6.23	125	125	1	35.0-142			0.160	27
Dichlorodifluoromethane	5.00	U	9.23	8.68	185	174	1	10.0-160	J5	J5	6.14	29
1,1-Dichloroethane	5.00	U	7.52	7.00	150	140	1	25.0-158			7.16	27
1,2-Dichloroethane	5.00	U	7.34	6.97	147	139	1	29.0-151			5.17	27
1,1-Dichloroethene	5.00	U	8.94	8.09	179	162	1	11.0-160	J5	J5	9.98	29
cis-1,2-Dichloroethene	5.00	U	6.57	6.33	131	127	1	10.0-160			3.72	27
trans-1,2-Dichloroethene	5.00	U	6.96	6.41	139	128	1	17.0-153			8.23	27
1,2-Dichloropropane	5.00	U	7.31	7.05	146	141	1	30.0-156			3.62	27
1,1-Dichloropropene	5.00	U	8.22	7.79	164	156	1	25.0-158	J5		5.37	27
1,3-Dichloropropane	5.00	U	6.66	6.11	133	122	1	38.0-147			8.61	27
cis-1,3-Dichloropropene	5.00	U	6.90	6.73	138	135	1	34.0-149			2.49	28
trans-1,3-Dichloropropene	5.00	U	6.77	6.28	135	126	1	32.0-149			7.51	28
2,2-Dichloropropane	5.00	U	7.32	7.02	146	140	1	24.0-152			4.18	29
Di-isopropyl ether	5.00	U	7.85	7.74	157	155	1	21.0-160			1.41	28
Ethylbenzene	5.00	U	6.92	6.68	138	134	1	30.0-155			3.53	27
Hexachloro-1,3-butadiene	5.00	U	6.43	8.81	129	176	1	20.0-154		J5	31.2	34
Isopropylbenzene	5.00	U	7.39	7.68	148	154	1	28.0-157			3.85	27
p-Isopropyltoluene	5.00	U	7.37	7.48	147	150	1	30.0-154			1.48	29
2-Butanone (MEK)	25.0	U	38.0	38.6	152	154	1	10.0-160			1.57	32
Methylene Chloride	5.00	U	6.93	6.42	139	128	1	23.0-144			7.64	28
4-Methyl-2-pentanone (MIBK)	25.0	U	39.1	38.3	156	153	1	29.0-160			2.07	29
Methyl tert-butyl ether	5.00	U	6.80	7.06	136	141	1	28.0-150			3.75	29
Naphthalene	5.00	U	5.18	6.73	104	135	1	12.0-156			26.0	35
n-Propylbenzene	5.00	U	7.76	6.50	155	130	1	31.0-154	J5		17.7	28

L1739689-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739689-01 06/01/24 01:04 • (MS) R4076288-3 06/01/24 05:52 • (MSD) R4076288-4 06/01/24 06:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	U	6.82	6.87	136	137	1	33.0-155			0.730	28
1,1,1,2-Tetrachloroethane	5.00	U	6.64	6.42	133	128	1	36.0-151			3.37	29
1,1,2,2-Tetrachloroethane	5.00	U	6.79	6.00	136	120	1	33.0-150			12.4	28
1,1,2-Trichlorotrifluoroethane	5.00	U	9.13	8.14	183	163	1	23.0-160	J5	J5	11.5	30
Tetrachloroethene	5.00	U	7.31	6.78	146	136	1	10.0-160			7.52	27
Toluene	5.00	U	6.64	6.18	133	124	1	26.0-154			7.18	28
1,2,3-Trichlorobenzene	5.00	U	6.51	8.93	130	179	1	17.0-150		J5	31.3	36
1,2,4-Trichlorobenzene	5.00	U	5.09	7.07	102	141	1	24.0-150			32.6	33
1,1,1-Trichloroethane	5.00	U	8.19	7.55	164	151	1	23.0-160	J5		8.13	28
1,1,2-Trichloroethane	5.00	U	6.17	5.91	123	118	1	35.0-147			4.30	27
Trichloroethene	5.00	U	7.27	6.88	145	138	1	10.0-160			5.51	25
Trichlorofluoromethane	5.00	U	6.95	5.82	139	116	1	17.0-160			17.7	31
1,2,3-Trichloropropane	5.00	U	6.30	5.27	126	105	1	34.0-151			17.8	29
1,2,4-Trimethylbenzene	5.00	U	7.36	7.02	147	140	1	26.0-154			4.73	27
1,2,3-Trimethylbenzene	5.00	U	6.62	6.75	132	135	1	32.0-149			1.94	28
1,3,5-Trimethylbenzene	5.00	U	7.26	6.81	145	136	1	28.0-153			6.40	27
Vinyl chloride	5.00	U	7.17	7.04	143	141	1	10.0-160			1.83	27
Xylenes, Total	15.0	U	20.8	20.0	139	133	1	29.0-154			3.92	28
(S) Toluene-d8					*99.4*	*96.3*		*80.0-120*				
(S) 4-Bromofluorobenzene					*97.1*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*99.9*	*102*		*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4075530-1 05/30/24 08:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*73.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075530-2 05/30/24 08:24 • (LCSD) R4075530-3 05/30/24 08:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
C12-C22 Hydrocarbons	750	868	916	116	122	50.0-150			5.38	20
C22-C32 Hydrocarbons	750	804	808	107	108	50.0-150			0.496	20
(S) o-Terphenyl				*74.0*	*75.0*	*52.0-156*				

Method Blank (MB)

(MB) R4076211-3 06/01/24 01:18

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*61.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076211-1 06/01/24 00:34 • (LCSD) R4076211-2 06/01/24 00:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
C12-C22 Hydrocarbons	750	809	819	108	109	50.0-150			1.23	20
C22-C32 Hydrocarbons	750	684	688	91.2	91.7	50.0-150			0.583	20
(S) o-Terphenyl				*66.0*	*65.5*	*52.0-156*				

Method Blank (MB)

(MB) R4076757-1 06/03/24 17:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*89.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4076757-2 06/03/24 17:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	21.0	84.0	50.0-150	
C22-C32 Hydrocarbons	25.0	18.8	75.2	50.0-150	
(S) o-Terphenyl			*72.8*	*18.0-148*	

Method Blank (MB)

(MB) R4076748-1 06/03/24 13:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*67.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4076748-2 06/03/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	18.0	72.0	50.0-150	
C22-C32 Hydrocarbons	25.0	15.4	61.6	50.0-150	
(S) o-Terphenyl			*62.9*	*18.0-148*	

Method Blank (MB)

(MB) R4078484-1 06/06/24 23:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*96.8*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4078484-2 06/06/24 23:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	22.7	90.8	50.0-150	
C22-C32 Hydrocarbons	25.0	19.2	76.8	50.0-150	
(S) o-Terphenyl			*74.8*	*18.0-148*	

L1741877-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741877-06 06/07/24 04:11 • (MS) R4078484-3 06/07/24 04:25 • (MSD) R4078484-4 06/07/24 04:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.5	2.04	23.2	25.4	86.4	95.0	1	50.0-150			9.05	20
C22-C32 Hydrocarbons	24.5	13.4	30.4	31.6	69.4	74.0	1	50.0-150			3.87	20
(S) o-Terphenyl					*61.5*	*69.4*		*18.0-148*				

Method Blank (MB)

(MB) R4076230-1 06/01/24 15:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*55.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*50.0*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4076230-2 06/01/24 15:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.117	70.1	36.0-141	
PCB 1260	0.167	0.135	80.8	37.0-145	
(S) Decachlorobiphenyl			*50.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*43.8*	*10.0-139*	

L1739367-38 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739367-38 06/01/24 17:45 • (MS) R4076230-3 06/01/24 18:12 • (MSD) R4076230-4 06/01/24 18:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.193	U	0.160	0.240	82.5	125	1	10.0-160		J3	40.2	37
PCB 1260	0.193	U	0.143	0.232	74.1	121	1	10.0-160		J3	47.2	38
(S) Decachlorobiphenyl					*48.6*	*115*		*10.0-135*				
(S) Tetrachloro-m-xylene					*76.3*	*113*		*10.0-139*				

Method Blank (MB)

(MB) R4076251-1 06/02/24 01:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0236	0.0680
PCB 1221	U		0.0236	0.0680
PCB 1232	U		0.0236	0.0680
PCB 1242	U		0.0236	0.0680
PCB 1248	U		0.0148	0.0340
PCB 1254	U		0.0148	0.0340
PCB 1260	U		0.0148	0.0340
(S) Decachlorobiphenyl	*93.1*			*10.0-135*
(S) Tetrachloro-m-xylene	*76.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4076251-2 06/02/24 01:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.166	99.4	36.0-141	P
PCB 1260	0.167	0.111	66.5	37.0-145	
(S) Decachlorobiphenyl			*50.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*43.4*	*10.0-139*	

Method Blank (MB)

(MB) R4076434-2 06/02/24 09:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4076434-2 06/02/24 09:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*58.6*			*12.0-120*
(S) Phenol-d5	*55.1*			*10.0-120*
(S) Nitrobenzene-d5	*43.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*50.5*			*15.0-120*
(S) 2,4,6-Tribromophenol	*56.3*			*10.0-127*
(S) p-Terphenyl-d14	*66.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076434-1 06/02/24 09:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.398	59.8	38.0-120	
Acenaphthylene	0.666	0.446	67.0	40.0-120	
Anthracene	0.666	0.494	74.2	42.0-120	
Benzidine	1.33	0.495	37.2	10.0-120	J
Benzo(a)anthracene	0.666	0.524	78.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.459	68.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.456	68.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.525	78.8	43.0-120	
Benzo(a)pyrene	0.666	0.496	74.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.292	43.8	20.0-120	J
Bis(2-chloroethyl)ether	0.666	0.314	47.1	16.0-120	J

Laboratory Control Sample (LCS)

(LCS) R4076434-1 06/02/24 09:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.336	50.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.505	75.8	40.0-120	
2-Chloronaphthalene	0.666	0.370	55.6	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.461	69.2	40.0-120	
Chrysene	0.666	0.480	72.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.555	83.3	44.0-120	
1,2-Dichlorobenzene	0.666	0.331	49.7	32.0-120	J
1,3-Dichlorobenzene	0.666	0.326	48.9	30.0-120	J
1,4-Dichlorobenzene	0.666	0.355	53.3	31.0-120	
3,3-Dichlorobenzidine	1.33	0.978	73.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.535	80.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.509	76.4	42.0-120	
Fluoranthene	0.666	0.516	77.5	44.0-120	
Fluorene	0.666	0.430	64.6	41.0-120	
Hexachlorobenzene	0.666	0.473	71.0	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.292	43.8	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.319	47.9	15.0-120	J
Hexachloroethane	0.666	0.322	48.3	17.0-120	J
Indeno(1,2,3-cd)pyrene	0.666	0.599	89.9	45.0-120	
Isophorone	0.666	0.306	45.9	23.0-120	J
Naphthalene	0.666	0.300	45.0	18.0-120	
Nitrobenzene	0.666	0.273	41.0	17.0-120	J
n-Nitrosodimethylamine	0.666	0.239	35.9	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.456	68.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.338	50.8	26.0-120	
Phenanthrene	0.666	0.469	70.4	42.0-120	
Benzylbutyl phthalate	0.666	0.525	78.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.534	80.2	41.0-120	
Di-n-butyl phthalate	0.666	0.493	74.0	43.0-120	
Diethyl phthalate	0.666	0.505	75.8	43.0-120	
Dimethyl phthalate	0.666	0.464	69.7	43.0-120	
Di-n-octyl phthalate	0.666	0.546	82.0	40.0-120	
Pyrene	0.666	0.495	74.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.313	47.0	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.389	58.4	28.0-120	
2-Chlorophenol	0.666	0.376	56.5	28.0-120	
2,4-Dichlorophenol	0.666	0.358	53.8	25.0-120	
2,4-Dimethylphenol	0.666	0.317	47.6	15.0-120	J
4,6-Dinitro-2-methylphenol	0.666	0.679	102	16.0-120	
2,4-Dinitrophenol	0.666	0.583	87.5	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4076434-1 06/02/24 09:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.373	56.0	20.0-120	
4-Nitrophenol	0.666	0.529	79.4	27.0-120	
Pentachlorophenol	0.666	0.382	57.4	29.0-120	
Phenol	0.666	0.363	54.5	28.0-120	
2,4,6-Trichlorophenol	0.666	0.446	67.0	37.0-120	
(S) 2-Fluorophenol			*61.7*	*12.0-120*	
(S) Phenol-d5			*60.1*	*10.0-120*	
(S) Nitrobenzene-d5			*40.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*58.9*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*73.9*	*10.0-127*	
(S) p-Terphenyl-d14			*76.9*	*10.0-120*	

L1740224-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740224-21 06/02/24 16:25 • (MS) R4076434-3 06/02/24 17:39 • (MSD) R4076434-4 06/02/24 18:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.729	U	0.232	0.252	31.8	34.5	5	18.0-120			8.14	32
Acenaphthylene	0.729	U	0.254	0.276	34.8	37.8	5	25.0-120			8.26	32
Anthracene	0.729	U	0.252	0.281	34.5	38.6	5	22.0-120			11.1	29
Benzidine	1.46	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.729	U	0.253	0.317	34.7	43.5	5	25.0-120			22.6	29
Benzo(b)fluoranthene	0.729	0.0541	0.224	0.300	23.4	33.7	5	19.0-122			28.8	31
Benzo(k)fluoranthene	0.729	U	0.202	0.248	27.8	34.1	5	23.0-120			20.4	30
Benzo(g,h,i)perylene	0.729	U	0.165	0.199	22.7	27.3	5	10.0-120	J		18.6	33
Benzo(a)pyrene	0.729	0.0399	0.221	0.283	24.8	33.4	5	24.0-120			24.7	30
Bis(2-chlorethoxy)methane	0.729	U	0.220	0.218	30.2	29.9	5	10.0-120	J	J	1.00	34
Bis(2-chloroethyl)ether	0.729	U	0.258	0.243	35.4	33.3	5	10.0-120	J	J	6.11	40
2,2-Oxybis(1-Chloropropane)	0.729	U	0.258	0.273	35.4	37.4	5	10.0-120	J	J	5.36	40
4-Bromophenyl-phenylether	0.729	U	0.268	0.289	36.8	39.6	5	27.0-120	J	J	7.47	30
2-Chloronaphthalene	0.729	U	0.229	0.241	31.4	33.0	5	20.0-120			5.13	32
4-Chlorophenyl-phenylether	0.729	U	0.266	0.286	36.5	39.2	5	24.0-120	J	J	7.14	29
Chrysene	0.729	U	0.235	0.294	32.3	40.4	5	21.0-120			22.3	29
Dibenz(a,h)anthracene	0.729	U	0.201	0.228	27.6	31.2	5	10.0-120			12.2	32
1,2-Dichlorobenzene	0.729	U	0.227	0.228	31.1	31.2	5	10.0-120	J	J	0.482	38
1,3-Dichlorobenzene	0.729	U	0.218	0.227	29.9	31.1	5	10.0-120	J	J	3.94	40
1,4-Dichlorobenzene	0.729	U	0.244	0.236	33.5	32.4	5	10.0-120	J	J	3.19	39
3,3-Dichlorobenzidine	1.46	U	0.476	0.472	32.7	32.4	5	10.0-120	J	J	0.924	34
2,4-Dinitrotoluene	0.729	U	0.251	0.235	34.4	32.3	5	30.0-120	J	J	6.31	31

L1740224-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740224-21 06/02/24 16:25 • (MS) R4076434-3 06/02/24 17:39 • (MSD) R4076434-4 06/02/24 18:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.729	U	0.256	0.274	35.1	37.5	5	25.0-120	J	J	6.61	31
Fluoranthene	0.729	0.0484	0.265	0.353	29.7	41.9	5	18.0-126			28.7	32
Fluorene	0.729	U	0.242	0.267	33.2	36.6	5	25.0-120			9.89	30
Hexachlorobenzene	0.729	U	0.174	0.222	23.9	30.5	5	27.0-120	J J6	J	24.3	28
Hexachloro-1,3-butadiene	0.729	U	0.219	0.229	30.0	31.4	5	10.0-120	J	J	4.40	38
Hexachlorocyclopentadiene	0.729	U	U	U	0.000	0.000	5	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.729	U	0.179	0.200	24.6	27.5	5	10.0-120	J	J	11.0	40
Indeno(1,2,3-cd)pyrene	0.729	U	0.205	0.230	28.1	31.5	5	10.0-120			11.6	32
Isophorone	0.729	U	0.220	0.235	30.2	32.3	5	13.0-120	J	J	6.73	34
Naphthalene	0.729	0.0502	0.245	0.254	26.7	27.9	5	10.0-120			3.51	35
Nitrobenzene	0.729	U	0.202	0.206	27.8	28.2	5	10.0-120	J	J	1.61	36
n-Nitrosodimethylamine	0.729	U	U	U	0.000	0.000	5	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.729	U	0.245	0.262	33.6	35.9	5	17.0-120	J	J	6.48	29
n-Nitrosodi-n-propylamine	0.729	U	0.244	0.228	33.5	31.2	5	10.0-120	J	J	6.96	37
Phenanthrene	0.729	0.0415	0.246	0.304	28.1	36.1	5	17.0-120			21.1	31
Benzylbutyl phthalate	0.729	U	0.278	0.287	38.1	39.3	5	23.0-120	J	J	3.10	30
Bis(2-ethylhexyl)phthalate	0.729	U	0.263	0.288	36.0	39.5	5	17.0-126	J	J	9.15	30
Di-n-butyl phthalate	0.729	U	0.254	0.267	34.8	36.6	5	30.0-120	J	J	5.04	29
Diethyl phthalate	0.729	U	0.282	0.288	38.7	39.5	5	26.0-120	J	J	1.92	28
Dimethyl phthalate	0.729	U	U	U	36.3	36.8	5	25.0-120	J	J	1.23	29
Di-n-octyl phthalate	0.729	U	0.383	0.407	52.6	55.9	5	21.0-123	J	J	6.09	29
Pyrene	0.729	0.0487	0.243	0.337	26.7	39.6	5	16.0-121		J3	32.5	32
1,2,4-Trichlorobenzene	0.729	U	0.241	0.247	33.0	33.9	5	12.0-120	J	J	2.69	37
4-Chloro-3-methylphenol	0.729	U	0.243	0.251	33.3	34.4	5	15.0-120	J	J	3.10	30
2-Chlorophenol	0.729	U	0.258	0.244	35.4	33.5	5	15.0-120	J	J	5.66	37
2,4-Dichlorophenol	0.729	U	0.234	0.246	32.1	33.8	5	20.0-120	J	J	5.01	31
2,4-Dimethylphenol	0.729	U	0.234	0.240	32.1	32.9	5	10.0-120	J	J	2.31	33
4,6-Dinitro-2-methylphenol	0.729	U	U	U	14.9	15.9	5	10.0-120	J	J	6.43	39
2,4-Dinitrophenol	0.729	U	U	U	0.000	0.000	5	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.729	U	0.186	0.178	25.5	24.5	5	12.0-120	J	J	4.20	39
4-Nitrophenol	0.729	U	0.162	0.153	22.2	21.0	5	10.0-137	J	J	5.56	32
Pentachlorophenol	0.729	U	0.496	0.471	68.0	64.6	5	10.0-160	J	J	5.21	31
Phenol	0.729	U	0.256	0.256	35.1	35.1	5	12.0-120	J	J	0.000	38
2,4,6-Trichlorophenol	0.729	U	0.213	0.218	29.3	29.9	5	19.0-120	J	J	2.03	32
(S) 2-Fluorophenol					*39.5*	*36.6*		*12.0-120*				
(S) Phenol-d5					*36.3*	*34.8*		*10.0-120*				
(S) Nitrobenzene-d5					*25.4*	*25.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*33.9*	*33.6*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*29.6*	*27.8*		*10.0-127*				

L1740224-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740224-21 06/02/24 16:25 • (MS) R4076434-3 06/02/24 17:39 • (MSD) R4076434-4 06/02/24 18:03

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*32.1*	*35.1*		*10.0-120*				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ____ Y __X__

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day __X__ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #
P1076441

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-F3-1-1.0	Grab	SS	1.0	5/23/24	940	3	○	○	●	●	●			-01
G-F3-1-2.0	Grab	SS	2.0		942	3	○	○	●	●	●	●		-02
G-F3-1-3.0	Grab	SS	3.0		944	3	●	●	●	○	●	●		-03
G-F3-1-4.0	Grab	SS	4.0		946	3	○	○	○	○	○	○		-04
G-F3-1-5.0	Grab	SS	5.0	↓	948	3	●	●	○	○	○	●		-05
DB P-03-	Grab	SS				3	●	●				●		

Chain of Custody Page 1 of 1

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740994
Tab C233
Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/23/24	1530		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/23/24	16:30	SWA CARGO	140	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
				5/24/24	1200		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #
P1076441

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
G-G4-1-1.0	Grab	SS	1.0	5/23/24	1040	3	○	○	●	●	●			-06
G-G4-1-2.0	Grab	SS	2.0		1042	4	○	○	●	○	●	●		-07
G-G4-1-3.0	Grab	SS	3.0		1044	3	●	●	●	○	●	●		-08
G-G4-1-4.0	Grab	SS	4.0		1046	4	○	○	○	○	○	○		-09
G-G4-1-5.0	Grab	SS	5.0		1048	4	●	●	○	○	○	●		-10
DB-[illegible]	Grab	SS				3	●	●				●		

Chain of Custody Page 2 of 2

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SDG #

Table # L174022

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	5/23/24	1530	[signature]		
Relinquished by : (Signature)	**Date:**	**Time:**	**Received by: (Signature)**	**Temp: °C Bottles Received:**	**If preservation required by Login: Date/Time**
[signature]	5/23/24	16:30	SWA CRL60		
Relinquished by : (Signature)	**Date:**	**Time:**	**Received for lab by: (Signature)**	**Date: Time:**	**Hold:** / **Condition: NCF / OK**
			[signature]		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates, Inc.

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote # P1076441

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
P-11-	Grab	SS				3	●	●				●		-11
P-06-5.0	Grab	SS	5	5/23/24	1250	3(4)	X	X				X		-12
P-08-5.0	Grab	SS	5	5/23/24	1150	3(4)	X	X				X		-13
P-01-16.5.	↓	SS	16.5	↓	1055	3	X	X				X		-14
P-01-16.0		SS	16.		1100	4.	X	X				X		-15
P-02-12.5.		SS	12.5.		0925.	3	X	X				X		-16
GW-6-17.5		SS	17.5		1415	3	X	X				X		-17
GW-6-12.5	(5)	SS	12.5.	(4)	1440	4.	X	X				X		-18
TB-052324		W	—		1100	1	(4)					X		-19
EB-052324	—	W	—	5/23/24	1521	9	X	(4) X	X			X		-20

Chain of Custody Page 3 of 3

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MT JULIET, TN

17065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1740224

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD
X = Analyze

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5/23/24	1530			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/23/24	16:30	SUA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # SDB Page 1

Lab Project # **ROUXOCA-CA**

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	Hold				Remarks	Sample # (lab only)
UC-B4-2-1.0	Grab	SS	1	5/23/24	1351	3	O	O	X	X	X	O	X					-21
UC-B4-2-2.0		SS	2		1355		O	O	X	X	X	X	X					-22
UC-B4-2-3.0		SS	3		1400		X	X	X	O	X	O	X					-23
UC-B4-2-4.0		SS	4		1406		O	O	O	O	O	O	X					-24
UC-B4-2-5.0		SS	5		1411		X	X	O	O	O	X	X					-25
UC-B4-2-8.0		SS	8		1421		O	O	O	O	O	O	X					-26
UC-B4-2-10.0		SS	10		1433		O	O	O	O	O	X	X					-27
		SS																
		SS																
		SS																

Chain of Custody Page 4 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 17402241 LDN 5/28/24

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: X = Analyze
O = Hold

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/23/24	1530			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/23/24	16:30	SUB CONCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #

Lab Project # **ROUXOCA-CA**

Collected by (print): Connor Platt

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6010CAM17 250mlHDPE-HNO3	M6010DCAM17 (FF) 250mlHDPE-HNO3	V8260 40mlAmb-HCl						Remarks	Sample # (lab only)
GW-5-2	G	GW	7.43	5/23/24	0920	9	X	X	X	X	X							-14
P-10	G	GW	5.55		1125	9	X	X	X	X	X							-21
Dup-1	G	GW	-		1200	9	X	X	X	X	X							-30
GW-1-1	G	GW	8.38		1320	9	X	X	X	X	X							-31
GW-2-1	G	GW	8.74		1445	9	X	X	X	X	X							-32
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1740224

Table # L1740224

Acctnum: **ROUXOCA**
Template: **T253289**
Prelogin: **P1076384**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Connor Platt	5/23/24	1518		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	5/23/24	16:30	FedEx Cargo	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

17402244

Tracking Numbers	Temperature
526 13161245 0002	EDA6 1.4+0.1=1.5
526 13161245 0001	EDA6 1.2+0.1=1.3

Arlo
Name

5/24/24
Date

ANALYTICAL REPORT

October 01, 2024

Revised Report

Roux - Oakland, CA

Sample Delivery Group:	L1740636
Samples Received:	05/25/2024
Project Number:	AB01
Description:	AB&I Redevelopment

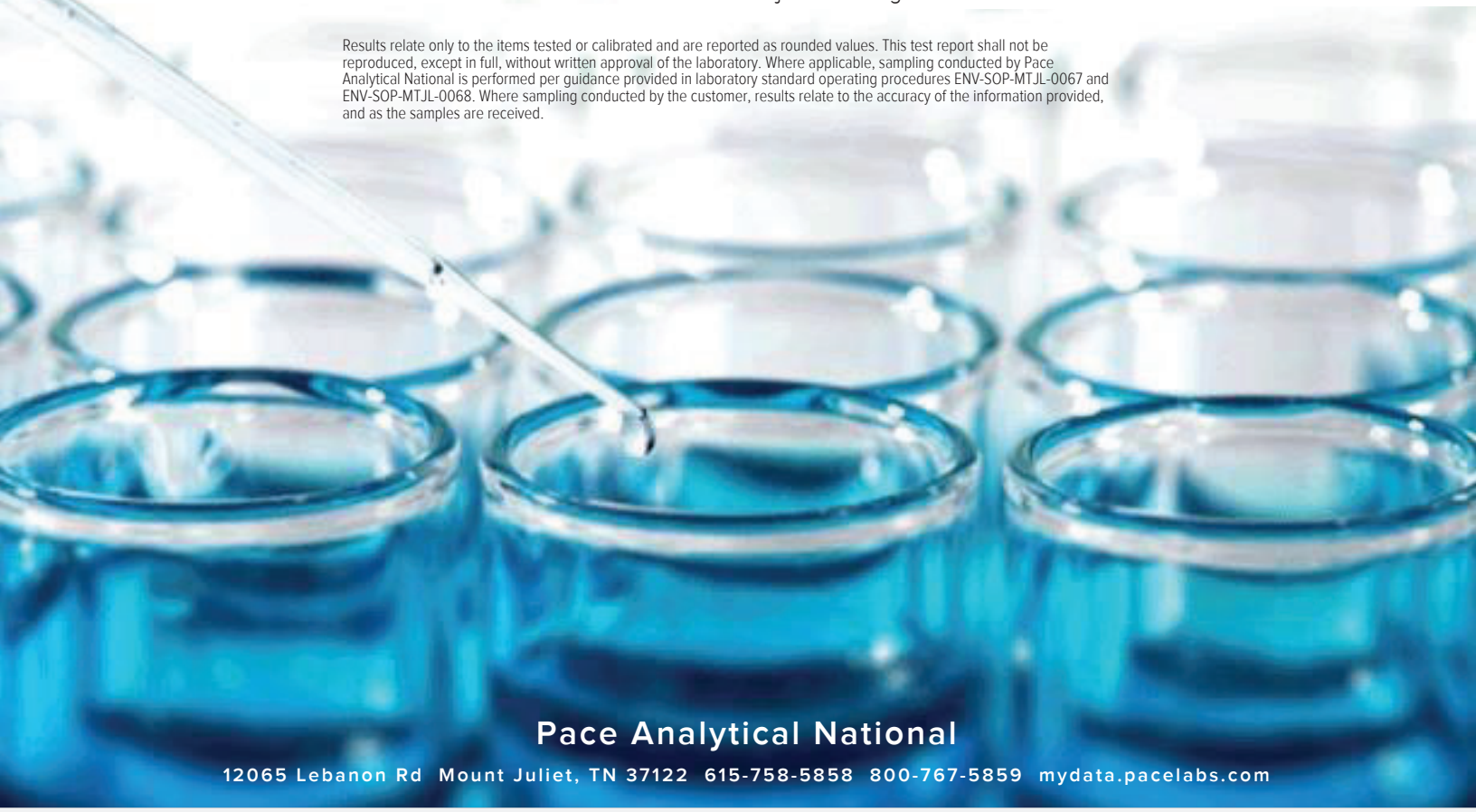
Report To:

Joshua Osborne
555 12th Street
Suite 250
Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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GW-2-2 L1740636-01 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 08:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:40	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:24	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:23	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296380	1	06/04/24 15:08	06/23/24 18:12	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2328447	1	07/23/24 13:50	07/23/24 22:52	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2328447	1	07/23/24 13:50	07/24/24 12:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2329697	1	07/25/24 08:16	07/25/24 16:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 05:00	06/02/24 05:00	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300160	20	06/07/24 05:25	06/07/24 05:25	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 12:01	DMG	Mt. Juliet, TN

GW-4-2 L1740636-02 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 10:25 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 22:26	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 23:06	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296309	1	06/05/24 08:30	06/05/24 23:55	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296309	1	06/05/24 08:30	06/07/24 05:58	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/21/24 15:19	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2328457	1	07/23/24 13:51	07/23/24 22:48	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2328457	1	07/23/24 13:51	07/24/24 12:45	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 05:22	06/02/24 05:22	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 11:13	06/03/24 11:13	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 12:22	DMG	Mt. Juliet, TN

GW-4-1 L1740636-03 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 11:05 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:42	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:33	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:25	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:22	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:17	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2328550	10	07/24/24 12:23	07/26/24 16:11	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 05:44	06/02/24 05:44	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 11:36	06/03/24 11:36	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2294852	1	05/29/24 18:27	05/30/24 12:26	MAA	Mt. Juliet, TN

DUP-2 L1740636-04 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 12:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 22:35	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 23:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296309	1	06/05/24 08:30	06/05/24 23:24	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296309	1	06/05/24 08:30	06/07/24 05:35	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/26/24 18:21	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/21/24 15:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 06:06	06/02/24 06:06	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 11:58	06/03/24 11:58	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 12:43	DMG	Mt. Juliet, TN

P-01 L1740636-05 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 12:05 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:47	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:38	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:27	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:29	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298580	20	06/05/24 16:50	06/05/24 16:50	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300160	25	06/07/24 05:46	06/07/24 05:46	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 12:26	MAA	Mt. Juliet, TN

P-11 L1740636-06 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 13:05 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:49	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:40	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:28	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:39	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 17:32	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298580	1	06/05/24 16:27	06/05/24 16:27	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 12:43	06/03/24 12:43	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300160	1	06/07/24 05:03	06/07/24 05:03	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 13:04	DMG	Mt. Juliet, TN

P-02 L1740636-07 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 14:10 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:56	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:42	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:34	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:42	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 17:36	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 07:12	06/02/24 07:12	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 13:06	06/03/24 13:06	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 13:07	MAA	Mt. Juliet, TN

P-12 L1740636-08 GW

Collected by: Connor Platt | Collected date/time: 05/24/24 15:05 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 23:59	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:35	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:45	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 17:39	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 07:34	06/02/24 07:34	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 13:28	06/03/24 13:28	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 13:27	MAA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/29/24 13:00
Level II Report - Version 2: 08/15/24 20:03

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1740636-01	GW-2-2	6020
R4085388-3		6020

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-2-2	L1740636-01	Barium,Dissolved	65.5		0.736	5.00	1	07/23/2024 19:23	WG2328408
GW-2-2	L1740636-01	Cobalt,Dissolved	0.949	J	0.840	10.0	1	07/23/2024 19:23	WG2328408
GW-2-2	L1740636-01	Molybdenum,Dissolved	85.7		1.16	5.00	1	07/23/2024 19:23	WG2328408
GW-2-2	L1740636-01	Vanadium,Dissolved	5.07	J	4.99	20.0	1	07/23/2024 19:23	WG2328408
GW-4-2	L1740636-02	Barium,Dissolved	139		0.736	5.00	1	06/07/2024 05:58	WG2296309
GW-4-2	L1740636-02	Molybdenum,Dissolved	7.53		1.16	5.00	1	06/05/2024 23:55	WG2296309
GW-4-1	L1740636-03	Barium,Dissolved	124		0.736	5.00	1	07/23/2024 19:25	WG2328408
GW-4-1	L1740636-03	Cobalt,Dissolved	3.06	J	0.840	10.0	1	07/23/2024 19:25	WG2328408
GW-4-1	L1740636-03	Molybdenum,Dissolved	9.53		1.16	5.00	1	07/23/2024 19:25	WG2328408
DUP-2	L1740636-04	Barium,Dissolved	56.1		0.736	5.00	1	06/07/2024 05:35	WG2296309
DUP-2	L1740636-04	Beryllium,Dissolved	0.358	J	0.330	2.00	1	06/05/2024 23:24	WG2296309
DUP-2	L1740636-04	Molybdenum,Dissolved	75.6		1.16	5.00	1	06/05/2024 23:24	WG2296309
DUP-2	L1740636-04	Vanadium,Dissolved	8.24	J	4.99	20.0	1	06/05/2024 23:24	WG2296309
P-01	L1740636-05	Barium,Dissolved	218		0.736	5.00	1	07/23/2024 19:27	WG2328408
P-01	L1740636-05	Cobalt,Dissolved	3.69	J	0.840	10.0	1	07/23/2024 19:27	WG2328408
P-01	L1740636-05	Molybdenum,Dissolved	13.4		1.16	5.00	1	07/23/2024 19:27	WG2328408
P-11	L1740636-06	Barium,Dissolved	105		0.736	5.00	1	07/23/2024 19:28	WG2328408
P-11	L1740636-06	Cobalt,Dissolved	2.81	J	0.840	10.0	1	07/23/2024 19:28	WG2328408
P-11	L1740636-06	Molybdenum,Dissolved	17.8		1.16	5.00	1	07/23/2024 19:28	WG2328408
P-02	L1740636-07	Barium,Dissolved	192		0.736	5.00	1	07/23/2024 19:34	WG2328408
P-02	L1740636-07	Cobalt,Dissolved	3.44	J	0.840	10.0	1	07/23/2024 19:34	WG2328408
P-02	L1740636-07	Molybdenum,Dissolved	17.5		1.16	5.00	1	07/23/2024 19:34	WG2328408
P-12	L1740636-08	Barium,Dissolved	87.6		0.736	5.00	1	07/23/2024 19:35	WG2328408
P-12	L1740636-08	Cobalt,Dissolved	2.14	J	0.840	10.0	1	07/23/2024 19:35	WG2328408
P-12	L1740636-08	Molybdenum,Dissolved	102		1.16	5.00	1	07/23/2024 19:35	WG2328408
P-12	L1740636-08	Vanadium,Dissolved	8.45	J	4.99	20.0	1	07/23/2024 19:35	WG2328408

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-2-2	L1740636-01	Antimony	1.05	J	1.03	4.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Arsenic	21.1		0.180	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Arsenic,Dissolved	8.65		0.180	2.00	1	06/23/2024 18:12	WG2296380
GW-2-2	L1740636-01	Barium	390		0.381	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Beryllium	0.688	J	0.190	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Cadmium	0.318	J	0.150	1.00	1	07/23/2024 22:52	WG2328447
GW-2-2	L1740636-01	Chromium	185		1.24	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Copper	86.3		1.51	5.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Cobalt	21.7		0.0596	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Lead	11.2		0.849	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Molybdenum	279		0.348	5.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Nickel	135		0.816	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Nickel,Dissolved	3.46		0.816	2.00	1	06/23/2024 18:12	WG2296380
GW-2-2	L1740636-01	Selenium	0.639	J	0.300	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Silver	0.233	J	0.0700	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Thallium	0.189	J	0.121	2.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Vanadium	63.2		0.664	5.00	1	07/24/2024 12:48	WG2328447
GW-2-2	L1740636-01	Zinc	427		3.02	25.0	1	07/25/2024 16:50	WG2329697

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-4-2	L1740636-02	Arsenic	1.30	J	0.180	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Arsenic,Dissolved	0.762	J	0.180	2.00	1	07/24/2024 12:45	WG2328457
GW-4-2	L1740636-02	Barium	208		0.381	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Chromium	7.00		1.24	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Copper	7.73		1.51	5.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Cobalt	4.54		0.0596	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Lead	1.64	J	0.849	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Molybdenum	2.17	J	0.348	5.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Nickel	19.7		0.816	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Nickel,Dissolved	7.09		0.816	2.00	1	07/24/2024 12:45	WG2328457
GW-4-2	L1740636-02	Selenium	0.314	J	0.300	2.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Vanadium	13.3		0.664	5.00	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Zinc	13.9	J	3.02	25.0	1	06/21/2024 15:19	WG2298769
GW-4-2	L1740636-02	Zinc,Dissolved	3.43	J	3.02	25.0	1	07/24/2024 12:45	WG2328457
GW-4-1	L1740636-03	Arsenic	5.39		0.180	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Arsenic,Dissolved	2.26		0.180	2.00	1	06/21/2024 15:22	WG2296381
GW-4-1	L1740636-03	Barium	2610		3.81	20.0	10	07/26/2024 16:11	WG2328550
GW-4-1	L1740636-03	Beryllium	0.617	J	0.190	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Cadmium	4.81		0.150	1.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Chromium	42.0		1.24	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Copper	194		1.51	5.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Copper,Dissolved	2.67	J	1.51	5.00	1	06/21/2024 15:22	WG2296381
GW-4-1	L1740636-03	Cobalt	14.1		0.0596	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Lead	35.9		0.849	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Molybdenum	5.98		0.348	5.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Nickel	66.6		0.816	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Nickel,Dissolved	7.78		0.816	2.00	1	06/21/2024 15:22	WG2296381
GW-4-1	L1740636-03	Selenium	0.490	J	0.300	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Silver	0.417	J	0.0700	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Thallium	0.121	J	0.121	2.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Vanadium	54.4		0.664	5.00	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Zinc	276		3.02	25.0	1	06/26/2024 18:17	WG2298769
GW-4-1	L1740636-03	Zinc,Dissolved	4.69	J	3.02	25.0	1	06/21/2024 15:22	WG2296381
DUP-2	L1740636-04	Arsenic	12.7		0.180	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Arsenic,Dissolved	8.40		0.180	2.00	1	06/26/2024 18:21	WG2296381
DUP-2	L1740636-04	Barium	477		0.381	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Beryllium	1.75	J	0.190	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Cadmium	0.660	J	0.150	1.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Chromium	100		1.24	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Copper	119		1.51	5.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Cobalt	42.0		0.0596	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Lead	24.5		0.849	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Molybdenum	20.8		0.348	5.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Nickel	171		0.816	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Nickel,Dissolved	3.43		0.816	2.00	1	06/26/2024 18:21	WG2296381
DUP-2	L1740636-04	Selenium	1.80	J	0.300	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Silver	0.122	J	0.0700	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Thallium	0.183	J	0.121	2.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Vanadium	141		0.664	5.00	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Zinc	253		3.02	25.0	1	06/21/2024 15:25	WG2298769
DUP-2	L1740636-04	Zinc,Dissolved	4.50	J	3.02	25.0	1	06/26/2024 18:21	WG2296381

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-01	L1740636-05	Arsenic	30.5		0.180	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Arsenic,Dissolved	29.3		0.180	2.00	1	06/21/2024 15:29	WG2296381
P-01	L1740636-05	Barium	255		0.381	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Cadmium	0.311	J	0.150	1.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Chromium	5.13		1.24	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Copper	12.8		1.51	5.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Copper,Dissolved	2.02	J	1.51	5.00	1	06/21/2024 15:29	WG2296381
P-01	L1740636-05	Cobalt	3.85		0.0596	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Lead	5.58		0.849	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Lead,Dissolved	2.22		0.849	2.00	1	06/21/2024 15:29	WG2296381
P-01	L1740636-05	Molybdenum	14.8		0.348	5.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Nickel	11.0		0.816	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Nickel,Dissolved	5.26		0.816	2.00	1	06/21/2024 15:29	WG2296381
P-01	L1740636-05	Selenium	0.343	J	0.300	2.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Selenium,Dissolved	0.492	J	0.300	2.00	1	06/21/2024 15:29	WG2296381
P-01	L1740636-05	Vanadium	6.09		0.664	5.00	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Zinc	51.2		3.02	25.0	1	06/26/2024 18:24	WG2298769
P-01	L1740636-05	Zinc,Dissolved	4.81	J	3.02	25.0	1	06/21/2024 15:29	WG2296381
P-11	L1740636-06	Arsenic	4.56		0.180	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Arsenic,Dissolved	0.257	J	0.180	2.00	1	06/21/2024 15:39	WG2296381
P-11	L1740636-06	Barium	438		0.381	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Beryllium	1.15	J	0.190	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Cadmium	6.10		0.150	1.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Cadmium,Dissolved	5.17		0.150	1.00	1	06/21/2024 15:39	WG2296381
P-11	L1740636-06	Chromium	32.4		1.24	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Copper	55.4		1.51	5.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Copper,Dissolved	1.74	J	1.51	5.00	1	06/21/2024 15:39	WG2296381
P-11	L1740636-06	Cobalt	25.3		0.0596	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Lead	97.6		0.849	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Molybdenum	2.40	J	0.348	5.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Nickel	98.8		0.816	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Nickel,Dissolved	4.45		0.816	2.00	1	06/21/2024 15:39	WG2296381
P-11	L1740636-06	Selenium	0.770	J	0.300	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Silver	0.0783	J	0.0700	2.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Vanadium	47.8		0.664	5.00	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Zinc	525		3.02	25.0	1	06/26/2024 18:27	WG2298769
P-11	L1740636-06	Zinc,Dissolved	13.3	J	3.02	25.0	1	06/21/2024 15:39	WG2296381
P-02	L1740636-07	Arsenic	10.6		0.180	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Arsenic,Dissolved	6.95		0.180	2.00	1	06/21/2024 15:42	WG2296381
P-02	L1740636-07	Barium	316		0.381	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Beryllium	0.483	J	0.190	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Cadmium	0.342	J	0.150	1.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Chromium	28.5		1.24	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Copper	26.8		1.51	5.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Copper,Dissolved	2.34	J	1.51	5.00	1	06/21/2024 15:42	WG2296381
P-02	L1740636-07	Cobalt	12.5		0.0596	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Lead	8.39		0.849	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Molybdenum	8.67		0.348	5.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Nickel	51.9		0.816	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Nickel,Dissolved	8.07		0.816	2.00	1	06/21/2024 15:42	WG2296381
P-02	L1740636-07	Selenium	0.683	J	0.300	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Selenium,Dissolved	0.968	J	0.300	2.00	1	06/21/2024 15:42	WG2296381
P-02	L1740636-07	Silver	0.130	J	0.0700	2.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Vanadium	39.6		0.664	5.00	1	06/26/2024 18:30	WG2298769
P-02	L1740636-07	Zinc	82.9		3.02	25.0	1	06/26/2024 18:30	WG2298769

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-12	L1740636-08	Antimony,Dissolved	1.45	J	1.03	4.00	1	06/21/2024 15:45	WG2296381
P-12	L1740636-08	Arsenic	5.41		0.180	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Arsenic,Dissolved	4.15		0.180	2.00	1	06/21/2024 15:45	WG2296381
P-12	L1740636-08	Barium	203		0.381	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Beryllium	0.492	J	0.190	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Cadmium	0.741	J	0.150	1.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Chromium	30.2		1.24	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Copper	46.6		1.51	5.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Copper,Dissolved	4.74	J	1.51	5.00	1	06/21/2024 15:45	WG2296381
P-12	L1740636-08	Cobalt	10.6		0.0596	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Lead	75.1		0.849	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Lead,Dissolved	1.98	J	0.849	2.00	1	06/21/2024 17:39	WG2296381
P-12	L1740636-08	Molybdenum	49.2		0.348	5.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Nickel	55.9		0.816	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Nickel,Dissolved	7.11		0.816	2.00	1	06/21/2024 15:45	WG2296381
P-12	L1740636-08	Selenium	0.451	J	0.300	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Selenium,Dissolved	0.921	J	0.300	2.00	1	06/21/2024 15:45	WG2296381
P-12	L1740636-08	Silver	0.0847	J	0.0700	2.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Vanadium	32.6		0.664	5.00	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Zinc	109		3.02	25.0	1	06/26/2024 18:34	WG2298769
P-12	L1740636-08	Zinc,Dissolved	5.17	J	3.02	25.0	1	06/21/2024 15:45	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-01	L1740636-05	TPHG C5 - C12	18300		608	2000	20	06/05/2024 16:50	WG2298580
P-11	L1740636-06	TPHG C5 - C12	96.8	B J	30.4	100	1	06/05/2024 16:27	WG2298580

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-4-1	L1740636-03	cis-1,2-Dichloroethene	0.220	J	0.126	1.00	1	06/03/2024 11:36	WG2297219
DUP-2	L1740636-04	Acetone	13.2	J	11.3	50.0	1	06/03/2024 11:58	WG2297219
DUP-2	L1740636-04	1,1-Dichloroethane	3.65		0.100	1.00	1	06/03/2024 11:58	WG2297219
DUP-2	L1740636-04	1,1-Dichloroethene	1.07		0.188	1.00	1	06/03/2024 11:58	WG2297219
DUP-2	L1740636-04	2-Butanone (MEK)	2.32	J	1.19	10.0	1	06/03/2024 11:58	WG2297219
DUP-2	L1740636-04	4-Methyl-2-pentanone (MIBK)	1.34	J	0.478	10.0	1	06/03/2024 11:58	WG2297219
DUP-2	L1740636-04	Vinyl chloride	47.4		0.234	1.00	1	06/03/2024 11:58	WG2297219
P-01	L1740636-05	Benzene	991	J3	2.35	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	n-Butylbenzene	37.7		3.93	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	sec-Butylbenzene	12.9	J J3	3.13	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	Ethylbenzene	1020		3.43	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	Isopropylbenzene	89.0	J3	2.63	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	Naphthalene	275	J3	25.0	125	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	n-Propylbenzene	218		2.48	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	Toluene	70.7	J3	6.95	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	1,2,3-Trimethylbenzene	43.4		2.60	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	1,3,5-Trimethylbenzene	16.0	J	2.60	25.0	25	06/07/2024 05:46	WG2300160
P-01	L1740636-05	Xylenes, Total	48.7	J J3	4.35	75.0	25	06/07/2024 05:46	WG2300160
P-02	L1740636-07	1,1-Dichloroethane	0.845	J	0.100	1.00	1	06/03/2024 13:06	WG2297219
P-02	L1740636-07	1,1-Dichloroethene	1.80		0.188	1.00	1	06/03/2024 13:06	WG2297219
P-02	L1740636-07	cis-1,2-Dichloroethene	0.613	J	0.126	1.00	1	06/03/2024 13:06	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-2-2	L1740636-01	C12-C22 Hydrocarbons	293		33.0	100	1	06/02/2024 12:01	WG2296791
GW-2-2	L1740636-01	C22-C32 Hydrocarbons	320		33.0	100	1	06/02/2024 12:01	WG2296791
GW-2-2	L1740636-01	C32-C40 Hydrocarbons	83.6	J	33.0	100	1	06/02/2024 12:01	WG2296791
GW-4-2	L1740636-02	C12-C22 Hydrocarbons	84.1	J	33.0	100	1	06/02/2024 12:22	WG2296791
GW-4-2	L1740636-02	C22-C32 Hydrocarbons	150		33.0	100	1	06/02/2024 12:22	WG2296791
GW-4-2	L1740636-02	C32-C40 Hydrocarbons	44.6	J	33.0	100	1	06/02/2024 12:22	WG2296791
GW-4-1	L1740636-03	C12-C22 Hydrocarbons	598		33.0	100	1	05/30/2024 12:26	WG2294852
GW-4-1	L1740636-03	C22-C32 Hydrocarbons	452		33.0	100	1	05/30/2024 12:26	WG2294852
GW-4-1	L1740636-03	C32-C40 Hydrocarbons	795		33.0	100	1	05/30/2024 12:26	WG2294852
DUP-2	L1740636-04	C12-C22 Hydrocarbons	477		33.0	100	1	06/02/2024 12:43	WG2296791
DUP-2	L1740636-04	C22-C32 Hydrocarbons	421		33.0	100	1	06/02/2024 12:43	WG2296791
DUP-2	L1740636-04	C32-C40 Hydrocarbons	118		33.0	100	1	06/02/2024 12:43	WG2296791
P-01	L1740636-05	C12-C22 Hydrocarbons	2680		33.0	100	1	05/31/2024 12:26	WG2295250
P-01	L1740636-05	C22-C32 Hydrocarbons	507		33.0	100	1	05/31/2024 12:26	WG2295250
P-01	L1740636-05	C32-C40 Hydrocarbons	33.4	J	33.0	100	1	05/31/2024 12:26	WG2295250
P-11	L1740636-06	C12-C22 Hydrocarbons	183		33.0	100	1	06/02/2024 13:04	WG2296791
P-11	L1740636-06	C22-C32 Hydrocarbons	208		33.0	100	1	06/02/2024 13:04	WG2296791
P-11	L1740636-06	C32-C40 Hydrocarbons	95.6	J	33.0	100	1	06/02/2024 13:04	WG2296791
P-02	L1740636-07	C12-C22 Hydrocarbons	347	B	33.0	100	1	05/31/2024 13:07	WG2295250
P-02	L1740636-07	C22-C32 Hydrocarbons	250		33.0	100	1	05/31/2024 13:07	WG2295250
P-02	L1740636-07	C32-C40 Hydrocarbons	71.4	J	33.0	100	1	05/31/2024 13:07	WG2295250
P-12	L1740636-08	C12-C22 Hydrocarbons	176	B	33.0	100	1	05/31/2024 13:27	WG2295250
P-12	L1740636-08	C22-C32 Hydrocarbons	122		33.0	100	1	05/31/2024 13:27	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:40	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:24	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	65.5		0.736	5.00	1	07/23/2024 19:23	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:23	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:23	WG2328408
Cobalt,Dissolved	0.949	J	0.840	10.0	1	07/23/2024 19:23	WG2328408
Molybdenum,Dissolved	85.7		1.16	5.00	1	07/23/2024 19:23	WG2328408
Vanadium,Dissolved	5.07	J	4.99	20.0	1	07/23/2024 19:23	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	1.05	J	1.03	4.00	1	07/24/2024 12:48	WG2328447
Antimony,Dissolved	U		1.03	4.00	1	06/23/2024 18:12	WG2296380
Arsenic	21.1		0.180	2.00	1	07/24/2024 12:48	WG2328447
Arsenic,Dissolved	8.65		0.180	2.00	1	06/23/2024 18:12	WG2296380
Barium	390		0.381	2.00	1	07/24/2024 12:48	WG2328447
Beryllium	0.688	J	0.190	2.00	1	07/24/2024 12:48	WG2328447
Cadmium	0.318	J	0.150	1.00	1	07/23/2024 22:52	WG2328447
Cadmium,Dissolved	U		0.150	1.00	1	06/23/2024 18:12	WG2296380
Chromium	185		1.24	2.00	1	07/24/2024 12:48	WG2328447
Copper	86.3		1.51	5.00	1	07/24/2024 12:48	WG2328447
Copper,Dissolved	U		1.51	5.00	1	06/23/2024 18:12	WG2296380
Cobalt	21.7		0.0596	2.00	1	07/24/2024 12:48	WG2328447
Lead	11.2		0.849	2.00	1	07/24/2024 12:48	WG2328447
Lead,Dissolved	U		0.849	2.00	1	06/23/2024 18:12	WG2296380
Molybdenum	279		0.348	5.00	1	07/24/2024 12:48	WG2328447
Nickel	135		0.816	2.00	1	07/24/2024 12:48	WG2328447
Nickel,Dissolved	3.46		0.816	2.00	1	06/23/2024 18:12	WG2296380
Selenium	0.639	J	0.300	2.00	1	07/24/2024 12:48	WG2328447
Selenium,Dissolved	U		0.300	2.00	1	06/23/2024 18:12	WG2296380
Silver	0.233	J	0.0700	2.00	1	07/24/2024 12:48	WG2328447
Silver,Dissolved	U		0.0700	2.00	1	06/23/2024 18:12	WG2296380
Thallium	0.189	J	0.121	2.00	1	07/24/2024 12:48	WG2328447
Thallium,Dissolved	U		0.121	2.00	1	06/23/2024 18:12	WG2296380
Vanadium	63.2		0.664	5.00	1	07/24/2024 12:48	WG2328447
Zinc	427		3.02	25.0	1	07/25/2024 16:50	WG2329697
Zinc,Dissolved	U		3.02	25.0	1	06/23/2024 18:12	WG2296380

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 05:00	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/02/2024 05:00*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		226	1000	20	06/07/2024 05:25	WG2300160
Acrolein	U		50.8	1000	20	06/07/2024 05:25	WG2300160
Acrylonitrile	U		13.4	200	20	06/07/2024 05:25	WG2300160
Benzene	U	J3	1.88	20.0	20	06/07/2024 05:25	WG2300160
Bromobenzene	U		2.36	20.0	20	06/07/2024 05:25	WG2300160
Bromodichloromethane	U		2.72	20.0	20	06/07/2024 05:25	WG2300160
Bromoform	U	J3 J4	2.58	20.0	20	06/07/2024 05:25	WG2300160
Bromomethane	U	J3	12.1	100	20	06/07/2024 05:25	WG2300160
n-Butylbenzene	U		3.14	20.0	20	06/07/2024 05:25	WG2300160
sec-Butylbenzene	U	J3	2.50	20.0	20	06/07/2024 05:25	WG2300160
tert-Butylbenzene	U		2.54	20.0	20	06/07/2024 05:25	WG2300160
Carbon tetrachloride	U	J3	2.56	20.0	20	06/07/2024 05:25	WG2300160
Chlorobenzene	U		2.32	20.0	20	06/07/2024 05:25	WG2300160
Chlorodibromomethane	U		2.80	20.0	20	06/07/2024 05:25	WG2300160
Chloroethane	U	J3	3.84	100	20	06/07/2024 05:25	WG2300160
Chloroform	U		2.22	100	20	06/07/2024 05:25	WG2300160
Chloromethane	U		19.2	50.0	20	06/07/2024 05:25	WG2300160
2-Chlorotoluene	U		2.12	20.0	20	06/07/2024 05:25	WG2300160
4-Chlorotoluene	U		2.28	20.0	20	06/07/2024 05:25	WG2300160
1,2-Dibromo-3-Chloropropane	U		5.52	100	20	06/07/2024 05:25	WG2300160
1,2-Dibromoethane	U		2.52	20.0	20	06/07/2024 05:25	WG2300160
Dibromomethane	U		2.44	20.0	20	06/07/2024 05:25	WG2300160
1,2-Dichlorobenzene	U		2.14	20.0	20	06/07/2024 05:25	WG2300160
1,3-Dichlorobenzene	U		2.20	20.0	20	06/07/2024 05:25	WG2300160
1,4-Dichlorobenzene	U		2.40	20.0	20	06/07/2024 05:25	WG2300160
Dichlorodifluoromethane	U	J3	7.48	100	20	06/07/2024 05:25	WG2300160
1,1-Dichloroethane	U		2.00	20.0	20	06/07/2024 05:25	WG2300160
1,2-Dichloroethane	U		1.64	20.0	20	06/07/2024 05:25	WG2300160
1,1-Dichloroethene	U		3.76	20.0	20	06/07/2024 05:25	WG2300160
cis-1,2-Dichloroethene	U	J3	2.52	20.0	20	06/07/2024 05:25	WG2300160
trans-1,2-Dichloroethene	U	J3	2.98	20.0	20	06/07/2024 05:25	WG2300160
1,2-Dichloropropane	U		2.98	20.0	20	06/07/2024 05:25	WG2300160
1,1-Dichloropropene	U		2.84	20.0	20	06/07/2024 05:25	WG2300160
1,3-Dichloropropane	U		2.20	20.0	20	06/07/2024 05:25	WG2300160
cis-1,3-Dichloropropene	U		2.22	20.0	20	06/07/2024 05:25	WG2300160
trans-1,3-Dichloropropene	U	J4	2.36	20.0	20	06/07/2024 05:25	WG2300160
2,2-Dichloropropane	U	J3	3.22	20.0	20	06/07/2024 05:25	WG2300160
Di-isopropyl ether	U	J3	2.10	20.0	20	06/07/2024 05:25	WG2300160
Ethylbenzene	U		2.74	20.0	20	06/07/2024 05:25	WG2300160
Hexachloro-1,3-butadiene	U	J4	6.74	20.0	20	06/07/2024 05:25	WG2300160
Isopropylbenzene	U	J3	2.10	20.0	20	06/07/2024 05:25	WG2300160
p-Isopropyltoluene	U	J3	2.40	20.0	20	06/07/2024 05:25	WG2300160
2-Butanone (MEK)	U		23.8	200	20	06/07/2024 05:25	WG2300160
Methylene Chloride	U		8.60	100	20	06/07/2024 05:25	WG2300160
4-Methyl-2-pentanone (MIBK)	U		9.56	200	20	06/07/2024 05:25	WG2300160
Methyl tert-butyl ether	U		2.02	20.0	20	06/07/2024 05:25	WG2300160
Naphthalene	U	J3	20.0	100	20	06/07/2024 05:25	WG2300160
n-Propylbenzene	U		1.99	20.0	20	06/07/2024 05:25	WG2300160
Styrene	U		2.36	20.0	20	06/07/2024 05:25	WG2300160
1,1,1,2-Tetrachloroethane	U	J3	2.94	20.0	20	06/07/2024 05:25	WG2300160
1,1,2,2-Tetrachloroethane	U		2.66	20.0	20	06/07/2024 05:25	WG2300160
1,1,2-Trichlorotrifluoroethane	U	J3	3.60	20.0	20	06/07/2024 05:25	WG2300160
Tetrachloroethene	U		6.00	20.0	20	06/07/2024 05:25	WG2300160
Toluene	U	J3	5.56	20.0	20	06/07/2024 05:25	WG2300160
1,2,3-Trichlorobenzene	U		4.60	20.0	20	06/07/2024 05:25	WG2300160
1,2,4-Trichlorobenzene	U	J3	9.62	20.0	20	06/07/2024 05:25	WG2300160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U	J3	2.98	20.0	20	06/07/2024 05:25	WG2300160
1,1,2-Trichloroethane	U	J3	3.16	20.0	20	06/07/2024 05:25	WG2300160
Trichloroethene	U		3.80	20.0	20	06/07/2024 05:25	WG2300160
Trichlorofluoromethane	U	J3	3.20	100	20	06/07/2024 05:25	WG2300160
1,2,3-Trichloropropane	U		4.74	50.0	20	06/07/2024 05:25	WG2300160
1,2,4-Trimethylbenzene	U		6.44	20.0	20	06/07/2024 05:25	WG2300160
1,2,3-Trimethylbenzene	U		2.08	20.0	20	06/07/2024 05:25	WG2300160
1,3,5-Trimethylbenzene	U		2.08	20.0	20	06/07/2024 05:25	WG2300160
Vinyl chloride	U	J3	4.68	20.0	20	06/07/2024 05:25	WG2300160
Xylenes, Total	U	J3	3.48	60.0	20	06/07/2024 05:25	WG2300160
(S) Toluene-d8	*108*			*80.0-120*		*06/07/2024 05:25*	WG2300160
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/07/2024 05:25*	WG2300160
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/07/2024 05:25*	WG2300160

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	293		33.0	100	1	06/02/2024 12:01	WG2296791
C22-C32 Hydrocarbons	320		33.0	100	1	06/02/2024 12:01	WG2296791
C32-C40 Hydrocarbons	83.6	J	33.0	100	1	06/02/2024 12:01	WG2296791
(S) o-Terphenyl	*71.6*			*52.0-156*		*06/02/2024 12:01*	WG2296791

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 22:26	WG2293415
Mercury,Dissolved	U	J6	0.100	0.200	1	05/29/2024 23:06	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	139		0.736	5.00	1	06/07/2024 05:58	WG2296309
Beryllium,Dissolved	U		0.330	2.00	1	06/05/2024 23:55	WG2296309
Chromium,Dissolved	U		1.40	10.0	1	06/05/2024 23:55	WG2296309
Cobalt,Dissolved	U		0.840	10.0	1	06/05/2024 23:55	WG2296309
Molybdenum,Dissolved	7.53		1.16	5.00	1	06/05/2024 23:55	WG2296309
Vanadium,Dissolved	U		4.99	20.0	1	06/05/2024 23:55	WG2296309

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/21/2024 15:19	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	07/24/2024 12:45	WG2328457
Arsenic	1.30	J	0.180	2.00	1	06/21/2024 15:19	WG2298769
Arsenic,Dissolved	0.762	J	0.180	2.00	1	07/24/2024 12:45	WG2328457
Barium	208		0.381	2.00	1	06/21/2024 15:19	WG2298769
Beryllium	U		0.190	2.00	1	06/21/2024 15:19	WG2298769
Cadmium	U		0.150	1.00	1	06/21/2024 15:19	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	07/23/2024 22:48	WG2328457
Chromium	7.00		1.24	2.00	1	06/21/2024 15:19	WG2298769
Copper	7.73		1.51	5.00	1	06/21/2024 15:19	WG2298769
Copper,Dissolved	U		1.51	5.00	1	07/24/2024 12:45	WG2328457
Cobalt	4.54		0.0596	2.00	1	06/21/2024 15:19	WG2298769
Lead	1.64	J	0.849	2.00	1	06/21/2024 15:19	WG2298769
Lead,Dissolved	U		0.849	2.00	1	07/24/2024 12:45	WG2328457
Molybdenum	2.17	J	0.348	5.00	1	06/21/2024 15:19	WG2298769
Nickel	19.7		0.816	2.00	1	06/21/2024 15:19	WG2298769
Nickel,Dissolved	7.09		0.816	2.00	1	07/24/2024 12:45	WG2328457
Selenium	0.314	J	0.300	2.00	1	06/21/2024 15:19	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	07/24/2024 12:45	WG2328457
Silver	U		0.0700	2.00	1	06/21/2024 15:19	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	07/24/2024 12:45	WG2328457
Thallium	U		0.121	2.00	1	06/21/2024 15:19	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	07/24/2024 12:45	WG2328457
Vanadium	13.3		0.664	5.00	1	06/21/2024 15:19	WG2298769
Zinc	13.9	J	3.02	25.0	1	06/21/2024 15:19	WG2298769
Zinc,Dissolved	3.43	J	3.02	25.0	1	07/24/2024 12:45	WG2328457

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 05:22	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*		*06/02/2024 05:22*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 11:13	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 11:13	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 11:13	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 11:13	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 11:13	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 11:13	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 11:13	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 11:13	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 11:13	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 11:13	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 11:13	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 11:13	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 11:13	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 11:13	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 11:13	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 11:13	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 11:13	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 11:13	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 11:13	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 11:13	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 11:13	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 11:13	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 11:13	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 11:13	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 11:13	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 11:13	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 11:13	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 11:13	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 11:13	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 11:13	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 11:13	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 11:13	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 11:13	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 11:13	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 11:13	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 11:13	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 11:13	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 11:13	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 11:13	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 11:13	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 11:13	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 11:13	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 11:13	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 11:13	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 11:13	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 11:13	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 11:13	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 11:13	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 11:13	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 11:13	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 11:13	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 11:13	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 11:13	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 11:13	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 11:13	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 11:13	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 11:13	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 11:13	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 11:13	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 11:13	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 11:13	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 11:13	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:13	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:13	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 11:13	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 11:13	WG2297219
(S) Toluene-d8	*108*			*80.0-120*		*06/03/2024 11:13*	WG2297219
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/03/2024 11:13*	WG2297219
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/03/2024 11:13*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	84.1	J	33.0	100	1	06/02/2024 12:22	WG2296791
C22-C32 Hydrocarbons	150		33.0	100	1	06/02/2024 12:22	WG2296791
C32-C40 Hydrocarbons	44.6	J	33.0	100	1	06/02/2024 12:22	WG2296791
(S) o-Terphenyl	*71.6*			*52.0-156*		*06/02/2024 12:22*	WG2296791

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:42	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:33	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	124		0.736	5.00	1	07/23/2024 19:25	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:25	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:25	WG2328408
Cobalt,Dissolved	3.06	J	0.840	10.0	1	07/23/2024 19:25	WG2328408
Molybdenum,Dissolved	9.53		1.16	5.00	1	07/23/2024 19:25	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:25	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:17	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:22	WG2296381
Arsenic	5.39		0.180	2.00	1	06/26/2024 18:17	WG2298769
Arsenic,Dissolved	2.26		0.180	2.00	1	06/21/2024 15:22	WG2296381
Barium	2610		3.81	20.0	10	07/26/2024 16:11	WG2328550
Beryllium	0.617	J	0.190	2.00	1	06/26/2024 18:17	WG2298769
Cadmium	4.81		0.150	1.00	1	06/26/2024 18:17	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/21/2024 15:22	WG2296381
Chromium	42.0		1.24	2.00	1	06/26/2024 18:17	WG2298769
Copper	194		1.51	5.00	1	06/26/2024 18:17	WG2298769
Copper,Dissolved	2.67	J	1.51	5.00	1	06/21/2024 15:22	WG2296381
Cobalt	14.1		0.0596	2.00	1	06/26/2024 18:17	WG2298769
Lead	35.9		0.849	2.00	1	06/26/2024 18:17	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/21/2024 15:22	WG2296381
Molybdenum	5.98		0.348	5.00	1	06/26/2024 18:17	WG2298769
Nickel	66.6		0.816	2.00	1	06/26/2024 18:17	WG2298769
Nickel,Dissolved	7.78		0.816	2.00	1	06/21/2024 15:22	WG2296381
Selenium	0.490	J	0.300	2.00	1	06/26/2024 18:17	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	06/21/2024 15:22	WG2296381
Silver	0.417	J	0.0700	2.00	1	06/26/2024 18:17	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:22	WG2296381
Thallium	0.121	J	0.121	2.00	1	06/26/2024 18:17	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 15:22	WG2296381
Vanadium	54.4		0.664	5.00	1	06/26/2024 18:17	WG2298769
Zinc	276		3.02	25.0	1	06/26/2024 18:17	WG2298769
Zinc,Dissolved	4.69	J	3.02	25.0	1	06/21/2024 15:22	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 05:44	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*78.0-120*		*06/02/2024 05:44*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 11:36	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 11:36	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 11:36	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 11:36	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 11:36	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 11:36	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 11:36	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 11:36	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 11:36	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 11:36	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 11:36	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 11:36	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 11:36	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 11:36	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 11:36	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 11:36	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 11:36	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 11:36	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 11:36	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 11:36	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 11:36	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 11:36	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 11:36	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 11:36	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 11:36	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 11:36	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 11:36	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 11:36	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 11:36	WG2297219
cis-1,2-Dichloroethene	0.220	J	0.126	1.00	1	06/03/2024 11:36	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 11:36	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 11:36	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 11:36	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 11:36	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 11:36	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 11:36	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 11:36	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 11:36	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 11:36	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 11:36	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 11:36	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 11:36	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 11:36	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 11:36	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 11:36	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 11:36	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 11:36	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 11:36	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 11:36	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 11:36	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 11:36	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 11:36	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 11:36	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 11:36	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 11:36	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 11:36	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 11:36	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 11:36	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 11:36	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 11:36	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 11:36	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 11:36	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:36	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:36	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 11:36	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 11:36	WG2297219
(S) Toluene-d8	*108*			*80.0-120*		*06/03/2024 11:36*	WG2297219
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/03/2024 11:36*	WG2297219
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/03/2024 11:36*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	598		33.0	100	1	05/30/2024 12:26	WG2294852
C22-C32 Hydrocarbons	452		33.0	100	1	05/30/2024 12:26	WG2294852
C32-C40 Hydrocarbons	795		33.0	100	1	05/30/2024 12:26	WG2294852
(S) o-Terphenyl	*66.3*			*52.0-156*		*05/30/2024 12:26*	WG2294852

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 22:35	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 23:45	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	56.1		0.736	5.00	1	06/07/2024 05:35	WG2296309
Beryllium,Dissolved	0.358	J	0.330	2.00	1	06/05/2024 23:24	WG2296309
Chromium,Dissolved	U		1.40	10.0	1	06/05/2024 23:24	WG2296309
Cobalt,Dissolved	U		0.840	10.0	1	06/05/2024 23:24	WG2296309
Molybdenum,Dissolved	75.6		1.16	5.00	1	06/05/2024 23:24	WG2296309
Vanadium,Dissolved	8.24	J	4.99	20.0	1	06/05/2024 23:24	WG2296309

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/21/2024 15:25	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/26/2024 18:21	WG2296381
Arsenic	12.7		0.180	2.00	1	06/21/2024 15:25	WG2298769
Arsenic,Dissolved	8.40		0.180	2.00	1	06/26/2024 18:21	WG2296381
Barium	477		0.381	2.00	1	06/21/2024 15:25	WG2298769
Beryllium	1.75	J	0.190	2.00	1	06/21/2024 15:25	WG2298769
Cadmium	0.660	J	0.150	1.00	1	06/21/2024 15:25	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/26/2024 18:21	WG2296381
Chromium	100		1.24	2.00	1	06/21/2024 15:25	WG2298769
Copper	119		1.51	5.00	1	06/21/2024 15:25	WG2298769
Copper,Dissolved	U		1.51	5.00	1	06/26/2024 18:21	WG2296381
Cobalt	42.0		0.0596	2.00	1	06/21/2024 15:25	WG2298769
Lead	24.5		0.849	2.00	1	06/21/2024 15:25	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/26/2024 18:21	WG2296381
Molybdenum	20.8		0.348	5.00	1	06/21/2024 15:25	WG2298769
Nickel	171		0.816	2.00	1	06/21/2024 15:25	WG2298769
Nickel,Dissolved	3.43		0.816	2.00	1	06/26/2024 18:21	WG2296381
Selenium	1.80	J	0.300	2.00	1	06/21/2024 15:25	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	06/26/2024 18:21	WG2296381
Silver	0.122	J	0.0700	2.00	1	06/21/2024 15:25	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/26/2024 18:21	WG2296381
Thallium	0.183	J	0.121	2.00	1	06/21/2024 15:25	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/26/2024 18:21	WG2296381
Vanadium	141		0.664	5.00	1	06/21/2024 15:25	WG2298769
Zinc	253		3.02	25.0	1	06/21/2024 15:25	WG2298769
Zinc,Dissolved	4.50	J	3.02	25.0	1	06/26/2024 18:21	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 06:06	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*78.0-120*		*06/02/2024 06:06*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	13.2	J	11.3	50.0	1	06/03/2024 11:58	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 11:58	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 11:58	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 11:58	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 11:58	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 11:58	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 11:58	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 11:58	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 11:58	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 11:58	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 11:58	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 11:58	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 11:58	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 11:58	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 11:58	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 11:58	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 11:58	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 11:58	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 11:58	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 11:58	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 11:58	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 11:58	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 11:58	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 11:58	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 11:58	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 11:58	WG2297219
1,1-Dichloroethane	3.65		0.100	1.00	1	06/03/2024 11:58	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 11:58	WG2297219
1,1-Dichloroethene	1.07		0.188	1.00	1	06/03/2024 11:58	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 11:58	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 11:58	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 11:58	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 11:58	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 11:58	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 11:58	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 11:58	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 11:58	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 11:58	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 11:58	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 11:58	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 11:58	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 11:58	WG2297219
2-Butanone (MEK)	2.32	J	1.19	10.0	1	06/03/2024 11:58	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 11:58	WG2297219
4-Methyl-2-pentanone (MIBK)	1.34	J	0.478	10.0	1	06/03/2024 11:58	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 11:58	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 11:58	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 11:58	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 11:58	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 11:58	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 11:58	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 11:58	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 11:58	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 11:58	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 11:58	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 11:58	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 11:58	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 11:58	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 11:58	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 11:58	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 11:58	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 11:58	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:58	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 11:58	WG2297219
Vinyl chloride	47.4		0.234	1.00	1	06/03/2024 11:58	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 11:58	WG2297219
(S) Toluene-d8	*107*			*80.0-120*		*06/03/2024 11:58*	WG2297219
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*06/03/2024 11:58*	WG2297219
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/03/2024 11:58*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	477		33.0	100	1	06/02/2024 12:43	WG2296791
C22-C32 Hydrocarbons	421		33.0	100	1	06/02/2024 12:43	WG2296791
C32-C40 Hydrocarbons	118		33.0	100	1	06/02/2024 12:43	WG2296791
(S) o-Terphenyl	*78.4*			*52.0-156*		*06/02/2024 12:43*	WG2296791

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:47	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:38	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	218		0.736	5.00	1	07/23/2024 19:27	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:27	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:27	WG2328408
Cobalt,Dissolved	3.69	J	0.840	10.0	1	07/23/2024 19:27	WG2328408
Molybdenum,Dissolved	13.4		1.16	5.00	1	07/23/2024 19:27	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:27	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:24	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:29	WG2296381
Arsenic	30.5		0.180	2.00	1	06/26/2024 18:24	WG2298769
Arsenic,Dissolved	29.3		0.180	2.00	1	06/21/2024 15:29	WG2296381
Barium	255		0.381	2.00	1	06/26/2024 18:24	WG2298769
Beryllium	U		0.190	2.00	1	06/26/2024 18:24	WG2298769
Cadmium	0.311	J	0.150	1.00	1	06/26/2024 18:24	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/21/2024 15:29	WG2296381
Chromium	5.13		1.24	2.00	1	06/26/2024 18:24	WG2298769
Copper	12.8		1.51	5.00	1	06/26/2024 18:24	WG2298769
Copper,Dissolved	2.02	J	1.51	5.00	1	06/21/2024 15:29	WG2296381
Cobalt	3.85		0.0596	2.00	1	06/26/2024 18:24	WG2298769
Lead	5.58		0.849	2.00	1	06/26/2024 18:24	WG2298769
Lead,Dissolved	2.22		0.849	2.00	1	06/21/2024 15:29	WG2296381
Molybdenum	14.8		0.348	5.00	1	06/26/2024 18:24	WG2298769
Nickel	11.0		0.816	2.00	1	06/26/2024 18:24	WG2298769
Nickel,Dissolved	5.26		0.816	2.00	1	06/21/2024 15:29	WG2296381
Selenium	0.343	J	0.300	2.00	1	06/26/2024 18:24	WG2298769
Selenium,Dissolved	0.492	J	0.300	2.00	1	06/21/2024 15:29	WG2296381
Silver	U		0.0700	2.00	1	06/26/2024 18:24	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:29	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:24	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 15:29	WG2296381
Vanadium	6.09		0.664	5.00	1	06/26/2024 18:24	WG2298769
Zinc	51.2		3.02	25.0	1	06/26/2024 18:24	WG2298769
Zinc,Dissolved	4.81	J	3.02	25.0	1	06/21/2024 15:29	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	18300		608	2000	20	06/05/2024 16:50	WG2298580
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*06/05/2024 16:50*	WG2298580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		282	1250	25	06/07/2024 05:46	WG2300160
Acrolein	U		63.5	1250	25	06/07/2024 05:46	WG2300160
Acrylonitrile	U		16.8	250	25	06/07/2024 05:46	WG2300160
Benzene	991	J3	2.35	25.0	25	06/07/2024 05:46	WG2300160
Bromobenzene	U		2.95	25.0	25	06/07/2024 05:46	WG2300160
Bromodichloromethane	U		3.40	25.0	25	06/07/2024 05:46	WG2300160
Bromoform	U	J3 J4	3.22	25.0	25	06/07/2024 05:46	WG2300160
Bromomethane	U	J3	15.1	125	25	06/07/2024 05:46	WG2300160
n-Butylbenzene	37.7		3.93	25.0	25	06/07/2024 05:46	WG2300160
sec-Butylbenzene	12.9	J J3	3.13	25.0	25	06/07/2024 05:46	WG2300160
tert-Butylbenzene	U		3.18	25.0	25	06/07/2024 05:46	WG2300160
Carbon tetrachloride	U	J3	3.20	25.0	25	06/07/2024 05:46	WG2300160
Chlorobenzene	U		2.90	25.0	25	06/07/2024 05:46	WG2300160
Chlorodibromomethane	U		3.50	25.0	25	06/07/2024 05:46	WG2300160
Chloroethane	U	J3	4.80	125	25	06/07/2024 05:46	WG2300160
Chloroform	U		2.78	125	25	06/07/2024 05:46	WG2300160
Chloromethane	U		24.0	62.5	25	06/07/2024 05:46	WG2300160
2-Chlorotoluene	U		2.65	25.0	25	06/07/2024 05:46	WG2300160
4-Chlorotoluene	U		2.85	25.0	25	06/07/2024 05:46	WG2300160
1,2-Dibromo-3-Chloropropane	U		6.90	125	25	06/07/2024 05:46	WG2300160
1,2-Dibromoethane	U		3.15	25.0	25	06/07/2024 05:46	WG2300160
Dibromomethane	U		3.05	25.0	25	06/07/2024 05:46	WG2300160
1,2-Dichlorobenzene	U		2.68	25.0	25	06/07/2024 05:46	WG2300160
1,3-Dichlorobenzene	U		2.75	25.0	25	06/07/2024 05:46	WG2300160
1,4-Dichlorobenzene	U		3.00	25.0	25	06/07/2024 05:46	WG2300160
Dichlorodifluoromethane	U	J3	9.35	125	25	06/07/2024 05:46	WG2300160
1,1-Dichloroethane	U		2.50	25.0	25	06/07/2024 05:46	WG2300160
1,2-Dichloroethane	U		2.05	25.0	25	06/07/2024 05:46	WG2300160
1,1-Dichloroethene	U		4.70	25.0	25	06/07/2024 05:46	WG2300160
cis-1,2-Dichloroethene	U	J3	3.15	25.0	25	06/07/2024 05:46	WG2300160
trans-1,2-Dichloroethene	U	J3	3.73	25.0	25	06/07/2024 05:46	WG2300160
1,2-Dichloropropane	U		3.73	25.0	25	06/07/2024 05:46	WG2300160
1,1-Dichloropropene	U		3.55	25.0	25	06/07/2024 05:46	WG2300160
1,3-Dichloropropane	U		2.75	25.0	25	06/07/2024 05:46	WG2300160
cis-1,3-Dichloropropene	U		2.78	25.0	25	06/07/2024 05:46	WG2300160
trans-1,3-Dichloropropene	U	J4	2.95	25.0	25	06/07/2024 05:46	WG2300160
2,2-Dichloropropane	U	J3	4.03	25.0	25	06/07/2024 05:46	WG2300160
Di-isopropyl ether	U	J3	2.63	25.0	25	06/07/2024 05:46	WG2300160
Ethylbenzene	1020		3.43	25.0	25	06/07/2024 05:46	WG2300160
Hexachloro-1,3-butadiene	U	J4	8.43	25.0	25	06/07/2024 05:46	WG2300160
Isopropylbenzene	89.0	J3	2.63	25.0	25	06/07/2024 05:46	WG2300160
p-Isopropyltoluene	U	J3	3.00	25.0	25	06/07/2024 05:46	WG2300160
2-Butanone (MEK)	U		29.8	250	25	06/07/2024 05:46	WG2300160
Methylene Chloride	U		10.7	125	25	06/07/2024 05:46	WG2300160
4-Methyl-2-pentanone (MIBK)	U		12.0	250	25	06/07/2024 05:46	WG2300160
Methyl tert-butyl ether	U		2.53	25.0	25	06/07/2024 05:46	WG2300160
Naphthalene	275	J3	25.0	125	25	06/07/2024 05:46	WG2300160
n-Propylbenzene	218		2.48	25.0	25	06/07/2024 05:46	WG2300160
Styrene	U		2.95	25.0	25	06/07/2024 05:46	WG2300160
1,1,1,2-Tetrachloroethane	U	J3	3.68	25.0	25	06/07/2024 05:46	WG2300160
1,1,2,2-Tetrachloroethane	U		3.33	25.0	25	06/07/2024 05:46	WG2300160
1,1,2-Trichlorotrifluoroethane	U	J3	4.50	25.0	25	06/07/2024 05:46	WG2300160
Tetrachloroethene	U		7.50	25.0	25	06/07/2024 05:46	WG2300160
Toluene	70.7	J3	6.95	25.0	25	06/07/2024 05:46	WG2300160
1,2,3-Trichlorobenzene	U		5.75	25.0	25	06/07/2024 05:46	WG2300160
1,2,4-Trichlorobenzene	U	J3	12.0	25.0	25	06/07/2024 05:46	WG2300160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U	J3	3.73	25.0	25	06/07/2024 05:46	WG2300160
1,1,2-Trichloroethane	U	J3	3.95	25.0	25	06/07/2024 05:46	WG2300160
Trichloroethene	U		4.75	25.0	25	06/07/2024 05:46	WG2300160
Trichlorofluoromethane	U	J3	4.00	125	25	06/07/2024 05:46	WG2300160
1,2,3-Trichloropropane	U		5.93	62.5	25	06/07/2024 05:46	WG2300160
1,2,4-Trimethylbenzene	U		8.05	25.0	25	06/07/2024 05:46	WG2300160
1,2,3-Trimethylbenzene	43.4		2.60	25.0	25	06/07/2024 05:46	WG2300160
1,3,5-Trimethylbenzene	16.0	J	2.60	25.0	25	06/07/2024 05:46	WG2300160
Vinyl chloride	U	J3	5.85	25.0	25	06/07/2024 05:46	WG2300160
Xylenes, Total	48.7	J J3	4.35	75.0	25	06/07/2024 05:46	WG2300160
(S) Toluene-d8	*104*			*80.0-120*		*06/07/2024 05:46*	WG2300160
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/07/2024 05:46*	WG2300160
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/07/2024 05:46*	WG2300160

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	2680		33.0	100	1	05/31/2024 12:26	WG2295250
C22-C32 Hydrocarbons	507		33.0	100	1	05/31/2024 12:26	WG2295250
C32-C40 Hydrocarbons	33.4	J	33.0	100	1	05/31/2024 12:26	WG2295250
(S) o-Terphenyl	*70.0*			*52.0-156*		*05/31/2024 12:26*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:49	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:40	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	105		0.736	5.00	1	07/23/2024 19:28	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:28	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:28	WG2328408
Cobalt,Dissolved	2.81	J	0.840	10.0	1	07/23/2024 19:28	WG2328408
Molybdenum,Dissolved	17.8		1.16	5.00	1	07/23/2024 19:28	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:28	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:27	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:39	WG2296381
Arsenic	4.56		0.180	2.00	1	06/26/2024 18:27	WG2298769
Arsenic,Dissolved	0.257	J	0.180	2.00	1	06/21/2024 15:39	WG2296381
Barium	438		0.381	2.00	1	06/26/2024 18:27	WG2298769
Beryllium	1.15	J	0.190	2.00	1	06/26/2024 18:27	WG2298769
Cadmium	6.10		0.150	1.00	1	06/26/2024 18:27	WG2298769
Cadmium,Dissolved	5.17		0.150	1.00	1	06/21/2024 15:39	WG2296381
Chromium	32.4		1.24	2.00	1	06/26/2024 18:27	WG2298769
Copper	55.4		1.51	5.00	1	06/26/2024 18:27	WG2298769
Copper,Dissolved	1.74	J	1.51	5.00	1	06/21/2024 15:39	WG2296381
Cobalt	25.3		0.0596	2.00	1	06/26/2024 18:27	WG2298769
Lead	97.6		0.849	2.00	1	06/26/2024 18:27	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/21/2024 17:32	WG2296381
Molybdenum	2.40	J	0.348	5.00	1	06/26/2024 18:27	WG2298769
Nickel	98.8		0.816	2.00	1	06/26/2024 18:27	WG2298769
Nickel,Dissolved	4.45		0.816	2.00	1	06/21/2024 15:39	WG2296381
Selenium	0.770	J	0.300	2.00	1	06/26/2024 18:27	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	06/21/2024 15:39	WG2296381
Silver	0.0783	J	0.0700	2.00	1	06/26/2024 18:27	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:39	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:27	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 17:32	WG2296381
Vanadium	47.8		0.664	5.00	1	06/26/2024 18:27	WG2298769
Zinc	525		3.02	25.0	1	06/26/2024 18:27	WG2298769
Zinc,Dissolved	13.3	J	3.02	25.0	1	06/21/2024 15:39	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	96.8	B J	30.4	100	1	06/05/2024 16:27	WG2298580
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*78.0-120*		*06/05/2024 16:27*	WG2298580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 12:43	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 12:43	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 12:43	WG2297219
Benzene	U	J3	0.0941	1.00	1	06/07/2024 05:03	WG2300160
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 12:43	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 12:43	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 12:43	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 12:43	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 12:43	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 12:43	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 12:43	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 12:43	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 12:43	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 12:43	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 12:43	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 12:43	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 12:43	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 12:43	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 12:43	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 12:43	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 12:43	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 12:43	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 12:43	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 12:43	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 12:43	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 12:43	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 12:43	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 12:43	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 12:43	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 12:43	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 12:43	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 12:43	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 12:43	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 12:43	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 12:43	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 12:43	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 12:43	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 12:43	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/07/2024 05:03	WG2300160
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 12:43	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 12:43	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 12:43	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 12:43	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 12:43	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 12:43	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 12:43	WG2297219
Naphthalene	U	J3	1.00	5.00	1	06/07/2024 05:03	WG2300160
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 12:43	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 12:43	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 12:43	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 12:43	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 12:43	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 12:43	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 12:43	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 12:43	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 12:43	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 12:43	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 12:43	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 12:43	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 12:43	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 12:43	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 12:43	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 12:43	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 12:43	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 12:43	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 12:43	WG2297219
(S) Toluene-d8	*109*			*80.0-120*		*06/03/2024 12:43*	WG2297219
(S) Toluene-d8	*107*			*80.0-120*		*06/07/2024 05:03*	WG2300160
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/03/2024 12:43*	WG2297219
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/07/2024 05:03*	WG2300160
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/03/2024 12:43*	WG2297219
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/07/2024 05:03*	WG2300160

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	183		33.0	100	1	06/02/2024 13:04	WG2296791
C22-C32 Hydrocarbons	208		33.0	100	1	06/02/2024 13:04	WG2296791
C32-C40 Hydrocarbons	95.6	J	33.0	100	1	06/02/2024 13:04	WG2296791
(S) o-Terphenyl	*65.8*			*52.0-156*		*06/02/2024 13:04*	WG2296791

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:56	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:42	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	192		0.736	5.00	1	07/23/2024 19:34	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:34	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:34	WG2328408
Cobalt,Dissolved	3.44	J	0.840	10.0	1	07/23/2024 19:34	WG2328408
Molybdenum,Dissolved	17.5		1.16	5.00	1	07/23/2024 19:34	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:34	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:30	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:42	WG2296381
Arsenic	10.6		0.180	2.00	1	06/26/2024 18:30	WG2298769
Arsenic,Dissolved	6.95		0.180	2.00	1	06/21/2024 15:42	WG2296381
Barium	316		0.381	2.00	1	06/26/2024 18:30	WG2298769
Beryllium	0.483	J	0.190	2.00	1	06/26/2024 18:30	WG2298769
Cadmium	0.342	J	0.150	1.00	1	06/26/2024 18:30	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/21/2024 15:42	WG2296381
Chromium	28.5		1.24	2.00	1	06/26/2024 18:30	WG2298769
Copper	26.8		1.51	5.00	1	06/26/2024 18:30	WG2298769
Copper,Dissolved	2.34	J	1.51	5.00	1	06/21/2024 15:42	WG2296381
Cobalt	12.5		0.0596	2.00	1	06/26/2024 18:30	WG2298769
Lead	8.39		0.849	2.00	1	06/26/2024 18:30	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/21/2024 17:36	WG2296381
Molybdenum	8.67		0.348	5.00	1	06/26/2024 18:30	WG2298769
Nickel	51.9		0.816	2.00	1	06/26/2024 18:30	WG2298769
Nickel,Dissolved	8.07		0.816	2.00	1	06/21/2024 15:42	WG2296381
Selenium	0.683	J	0.300	2.00	1	06/26/2024 18:30	WG2298769
Selenium,Dissolved	0.968	J	0.300	2.00	1	06/21/2024 15:42	WG2296381
Silver	0.130	J	0.0700	2.00	1	06/26/2024 18:30	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:42	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:30	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 17:36	WG2296381
Vanadium	39.6		0.664	5.00	1	06/26/2024 18:30	WG2298769
Zinc	82.9		3.02	25.0	1	06/26/2024 18:30	WG2298769
Zinc,Dissolved	U		3.02	25.0	1	06/21/2024 15:42	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 07:12	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*78.0-120*		*06/02/2024 07:12*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 13:06	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 13:06	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 13:06	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 13:06	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 13:06	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 13:06	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 13:06	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 13:06	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 13:06	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 13:06	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 13:06	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 13:06	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 13:06	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 13:06	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 13:06	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 13:06	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 13:06	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 13:06	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 13:06	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 13:06	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 13:06	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 13:06	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 13:06	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 13:06	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 13:06	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 13:06	WG2297219
1,1-Dichloroethane	0.845	J	0.100	1.00	1	06/03/2024 13:06	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 13:06	WG2297219
1,1-Dichloroethene	1.80		0.188	1.00	1	06/03/2024 13:06	WG2297219
cis-1,2-Dichloroethene	0.613	J	0.126	1.00	1	06/03/2024 13:06	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 13:06	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 13:06	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 13:06	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 13:06	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 13:06	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 13:06	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 13:06	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 13:06	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 13:06	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 13:06	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 13:06	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 13:06	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 13:06	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 13:06	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 13:06	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 13:06	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 13:06	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 13:06	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 13:06	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 13:06	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 13:06	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 13:06	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 13:06	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 13:06	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 13:06	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 13:06	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 13:06	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 13:06	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 13:06	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 13:06	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 13:06	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 13:06	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:06	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:06	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 13:06	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 13:06	WG2297219
(S) Toluene-d8	*108*			*80.0-120*		*06/03/2024 13:06*	WG2297219
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/03/2024 13:06*	WG2297219
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/03/2024 13:06*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	347	B	33.0	100	1	05/31/2024 13:07	WG2295250
C22-C32 Hydrocarbons	250		33.0	100	1	05/31/2024 13:07	WG2295250
C32-C40 Hydrocarbons	71.4	J	33.0	100	1	05/31/2024 13:07	WG2295250
(S) o-Terphenyl	*66.8*			*52.0-156*		*05/31/2024 13:07*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 23:59	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:45	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	87.6		0.736	5.00	1	07/23/2024 19:35	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:35	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:35	WG2328408
Cobalt,Dissolved	2.14	J	0.840	10.0	1	07/23/2024 19:35	WG2328408
Molybdenum,Dissolved	102		1.16	5.00	1	07/23/2024 19:35	WG2328408
Vanadium,Dissolved	8.45	J	4.99	20.0	1	07/23/2024 19:35	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:34	WG2298769
Antimony,Dissolved	1.45	J	1.03	4.00	1	06/21/2024 15:45	WG2296381
Arsenic	5.41		0.180	2.00	1	06/26/2024 18:34	WG2298769
Arsenic,Dissolved	4.15		0.180	2.00	1	06/21/2024 15:45	WG2296381
Barium	203		0.381	2.00	1	06/26/2024 18:34	WG2298769
Beryllium	0.492	J	0.190	2.00	1	06/26/2024 18:34	WG2298769
Cadmium	0.741	J	0.150	1.00	1	06/26/2024 18:34	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/21/2024 15:45	WG2296381
Chromium	30.2		1.24	2.00	1	06/26/2024 18:34	WG2298769
Copper	46.6		1.51	5.00	1	06/26/2024 18:34	WG2298769
Copper,Dissolved	4.74	J	1.51	5.00	1	06/21/2024 15:45	WG2296381
Cobalt	10.6		0.0596	2.00	1	06/26/2024 18:34	WG2298769
Lead	75.1		0.849	2.00	1	06/26/2024 18:34	WG2298769
Lead,Dissolved	1.98	J	0.849	2.00	1	06/21/2024 17:39	WG2296381
Molybdenum	49.2		0.348	5.00	1	06/26/2024 18:34	WG2298769
Nickel	55.9		0.816	2.00	1	06/26/2024 18:34	WG2298769
Nickel,Dissolved	7.11		0.816	2.00	1	06/21/2024 15:45	WG2296381
Selenium	0.451	J	0.300	2.00	1	06/26/2024 18:34	WG2298769
Selenium,Dissolved	0.921	J	0.300	2.00	1	06/21/2024 15:45	WG2296381
Silver	0.0847	J	0.0700	2.00	1	06/26/2024 18:34	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:45	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:34	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 17:39	WG2296381
Vanadium	32.6		0.664	5.00	1	06/26/2024 18:34	WG2298769
Zinc	109		3.02	25.0	1	06/26/2024 18:34	WG2298769
Zinc,Dissolved	5.17	J	3.02	25.0	1	06/21/2024 15:45	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/02/2024 07:34	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*06/02/2024 07:34*	WG2296903

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	06/03/2024 13:28	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 13:28	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 13:28	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 13:28	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 13:28	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 13:28	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 13:28	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 13:28	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 13:28	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 13:28	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 13:28	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 13:28	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 13:28	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 13:28	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 13:28	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 13:28	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 13:28	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 13:28	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 13:28	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 13:28	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 13:28	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 13:28	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 13:28	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 13:28	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 13:28	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 13:28	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 13:28	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 13:28	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 13:28	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 13:28	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 13:28	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 13:28	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 13:28	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 13:28	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 13:28	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 13:28	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 13:28	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 13:28	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 13:28	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 13:28	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 13:28	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 13:28	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 13:28	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 13:28	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 13:28	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 13:28	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 13:28	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 13:28	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 13:28	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 13:28	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 13:28	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 13:28	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 13:28	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 13:28	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 13:28	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 13:28	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 13:28	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 13:28	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 13:28	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 13:28	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 13:28	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 13:28	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:28	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:28	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 13:28	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 13:28	WG2297219
(S) Toluene-d8	*106*			*80.0-120*		*06/03/2024 13:28*	WG2297219
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*06/03/2024 13:28*	WG2297219
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/03/2024 13:28*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	176	B	33.0	100	1	05/31/2024 13:27	WG2295250
C22-C32 Hydrocarbons	122		33.0	100	1	05/31/2024 13:27	WG2295250
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 13:27	WG2295250
(S) o-Terphenyl	*58.4*			*52.0-156*		*05/31/2024 13:27*	WG2295250

Method Blank (MB)

(MB) R4075150-1 05/29/24 21:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075150-2 05/29/24 21:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	2.85	95.1	80.0-120	

L1740632-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740632-13 05/29/24 21:50 • (MS) R4075150-4 05/29/24 21:55 • (MSD) R4075150-5 05/29/24 21:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	1.68	1.59	56.1	53.0	1	75.0-125	J6	J6	5.62	20

Method Blank (MB)

(MB) R4075151-1 05/29/24 23:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075151-2 05/29/24 23:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury,Dissolved	3.00	2.87	95.8	80.0-120	

L1740636-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740636-02 05/29/24 23:06 • (MS) R4075151-4 05/29/24 23:10 • (MSD) R4075151-5 05/29/24 23:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury,Dissolved	3.00	U	1.37	1.32	45.5	44.1	1	75.0-125	J6	J6	3.15	20

Method Blank (MB)

(MB) R4077876-1 06/05/24 23:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	5.39		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Method Blank (MB)

(MB) R4078424-1 06/07/24 05:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	5.38		0.736	5.00

Laboratory Control Sample (LCS)

(LCS) R4077876-2 06/05/24 23:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	1020	102	80.0-120	
Beryllium,Dissolved	1000	1010	101	80.0-120	
Chromium,Dissolved	1000	1020	102	80.0-120	
Cobalt,Dissolved	1000	927	92.7	80.0-120	
Molybdenum,Dissolved	1000	1030	103	80.0-120	
Vanadium,Dissolved	1000	990	99.0	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078424-2 06/07/24 05:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	992	99.2	80.0-120	

L1740636-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740636-04 06/05/24 23:24 • (MS) R4077876-4 06/05/24 23:27 • (MSD) R4077876-5 06/05/24 23:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	58.1	1070	1060	101	100	1	75.0-125			0.673	20
Beryllium,Dissolved	1000	0.358	1040	1030	104	103	1	75.0-125			0.856	20
Chromium,Dissolved	1000	U	1020	1020	102	102	1	75.0-125			0.0701	20
Cobalt,Dissolved	1000	U	983	986	98.3	98.6	1	75.0-125			0.291	20
Molybdenum,Dissolved	1000	75.6	1110	1120	104	104	1	75.0-125			0.721	20
Vanadium,Dissolved	1000	8.24	1030	1020	102	101	1	75.0-125			0.418	20

L1740636-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740636-04 06/07/24 05:35 • (MS) R4078424-4 06/07/24 05:42 • (MSD) R4078424-5 06/07/24 05:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	56.1	1040	1040	98.5	98.3	1	75.0-125			0.197	20

Method Blank (MB)

(MB) R4097588-1 07/23/24 19:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4097588-2 07/23/24 19:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	991	99.1	80.0-120	
Beryllium,Dissolved	1000	976	97.6	80.0-120	
Chromium,Dissolved	1000	979	97.9	80.0-120	
Cobalt,Dissolved	1000	956	95.6	80.0-120	
Molybdenum,Dissolved	1000	938	93.8	80.0-120	
Vanadium,Dissolved	1000	958	95.8	80.0-120	

L1740641-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740641-02 07/23/24 19:16 • (MS) R4097588-4 07/23/24 19:20 • (MSD) R4097588-5 07/23/24 19:22

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	122	1110	1090	98.6	97.2	1	75.0-125			1.27	20
Beryllium,Dissolved	1000	U	1000	997	100	99.7	1	75.0-125			0.799	20
Chromium,Dissolved	1000	U	990	968	99.0	96.8	1	75.0-125			2.25	20
Cobalt,Dissolved	1000	3.84	1010	994	100	99.0	1	75.0-125			1.40	20
Molybdenum,Dissolved	1000	45.7	1010	989	96.0	94.4	1	75.0-125			1.62	20
Vanadium,Dissolved	1000	U	985	976	98.5	97.6	1	75.0-125			0.987	20

Method Blank (MB)

(MB) R4085388-1 06/23/24 17:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4085388-2 06/23/24 17:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	51.9	104	80.0-120	
Arsenic,Dissolved	50.0	52.2	104	80.0-120	
Cadmium,Dissolved	50.0	52.7	105	80.0-120	
Copper,Dissolved	50.0	52.2	104	80.0-120	
Lead,Dissolved	50.0	51.4	103	80.0-120	
Nickel,Dissolved	50.0	55.5	111	80.0-120	
Selenium,Dissolved	50.0	50.6	101	80.0-120	
Silver,Dissolved	50.0	51.3	103	80.0-120	
Thallium,Dissolved	50.0	50.3	101	80.0-120	
Zinc,Dissolved	50.0	52.5	105	80.0-120	

L1740600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740600-01 06/23/24 17:16 • (MS) R4085388-4 06/23/24 17:23 • (MSD) R4085388-5 06/23/24 17:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	50.5	49.5	101	99.0	1	75.0-125			1.95	20
Arsenic,Dissolved	50.0	0.864	51.6	53.7	101	106	1	75.0-125			4.02	20
Cadmium,Dissolved	50.0	U	52.5	51.2	105	102	1	75.0-125			2.33	20
Copper,Dissolved	50.0	2.56	52.0	50.5	98.9	95.9	1	75.0-125			2.94	20
Lead,Dissolved	50.0	U	50.7	49.8	101	99.6	1	75.0-125			1.75	20
Nickel,Dissolved	50.0	3.52	54.5	56.9	102	107	1	75.0-125			4.31	20
Selenium,Dissolved	50.0	U	51.2	50.3	102	101	1	75.0-125			1.87	20

L1740600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740600-01 06/23/24 17:16 • (MS) R4085388-4 06/23/24 17:23 • (MSD) R4085388-5 06/23/24 17:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0	U	51.2	50.9	102	102	1	75.0-125			0.488	20
Thallium,Dissolved	50.0	U	50.5	48.2	101	96.4	1	75.0-125			4.60	20
Zinc,Dissolved	50.0	12.5	58.7	56.1	92.5	87.2	1	75.0-125			4.62	20

L1740600-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740600-02 06/23/24 17:30 • (MS) R4085388-6 06/23/24 17:33 • (MSD) R4085388-7 06/23/24 17:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	50.9	51.3	102	103	1	75.0-125			0.785	20
Arsenic,Dissolved	50.0	3.16	55.9	53.2	106	100	1	75.0-125			5.10	20
Cadmium,Dissolved	50.0	U	52.0	53.2	104	106	1	75.0-125			2.17	20
Copper,Dissolved	50.0	U	50.5	49.9	101	99.8	1	75.0-125			1.16	20
Lead,Dissolved	50.0	U	50.6	49.8	101	99.6	1	75.0-125			1.68	20
Nickel,Dissolved	50.0	U	55.3	52.1	111	104	1	75.0-125			5.89	20
Selenium,Dissolved	50.0	U	50.1	51.2	100	102	1	75.0-125			2.11	20
Silver,Dissolved	50.0	U	52.3	53.3	105	107	1	75.0-125			1.80	20
Thallium,Dissolved	50.0	U	49.8	48.8	99.6	97.6	1	75.0-125			2.06	20
Zinc,Dissolved	50.0	13.1	59.7	51.8	93.2	77.4	1	75.0-125			14.2	20

QUALITY CONTROL SUMMARY

L1740636-03,04,05,06,07,08

Method Blank (MB)

(MB) R4086714-1 06/26/24 13:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4086714-2 06/26/24 13:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	46.8	93.6	80.0-120	
Arsenic,Dissolved	50.0	51.7	103	80.0-120	
Cadmium,Dissolved	50.0	53.1	106	80.0-120	
Copper,Dissolved	50.0	50.5	101	80.0-120	
Lead,Dissolved	50.0	51.9	104	80.0-120	
Nickel,Dissolved	50.0	55.5	111	80.0-120	
Selenium,Dissolved	50.0	50.6	101	80.0-120	
Silver,Dissolved	50.0	50.9	102	80.0-120	
Thallium,Dissolved	50.0	53.0	106	80.0-120	
Zinc,Dissolved	50.0	50.7	101	80.0-120	

L1740651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740651-01 06/26/24 17:42 • (MS) R4086714-10 06/26/24 17:48 • (MSD) R4086714-11 06/26/24 17:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	52.6	54.5	105	109	1	75.0-125			3.53	20
Arsenic,Dissolved	50.0	43.9	94.7	96.5	102	105	1	75.0-125			1.82	20
Cadmium,Dissolved	50.0	U	53.5	55.0	107	110	1	75.0-125			2.73	20
Copper,Dissolved	50.0	U	52.1	53.5	104	107	1	75.0-125			2.66	20
Lead,Dissolved	50.0	U	51.2	53.5	102	107	1	75.0-125			4.40	20
Nickel,Dissolved	50.0	2.47	52.6	54.6	100	104	1	75.0-125			3.73	20
Selenium,Dissolved	50.0	36.2	90.5	90.5	109	109	1	75.0-125			0.0403	20

L1740651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740651-01 06/26/24 17:42 • (MS) R4086714-10 06/26/24 17:48 • (MSD) R4086714-11 06/26/24 17:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0	0.0812	51.6	53.2	103	106	1	75.0-125			3.03	20
Thallium,Dissolved	50.0	U	49.2	51.1	98.4	102	1	75.0-125			3.71	20
Zinc,Dissolved	50.0	U	50.7	50.8	101	102	1	75.0-125			0.204	20

Method Blank (MB)

(MB) R4084816-1 06/21/24 12:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4084816-2 06/21/24 12:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.8	97.5	80.0-120	
Arsenic	50.0	50.9	102	80.0-120	
Barium	50.0	45.7	91.5	80.0-120	
Beryllium	50.0	50.3	101	80.0-120	
Cadmium	50.0	52.4	105	80.0-120	
Chromium	50.0	51.7	103	80.0-120	
Copper	50.0	50.7	101	80.0-120	
Cobalt	50.0	51.7	103	80.0-120	
Lead	50.0	50.9	102	80.0-120	
Molybdenum	50.0	47.3	94.7	80.0-120	
Nickel	50.0	51.4	103	80.0-120	
Selenium	50.0	49.7	99.4	80.0-120	
Silver	50.0	49.6	99.2	80.0-120	
Thallium	50.0	50.1	100	80.0-120	
Vanadium	50.0	50.1	100	80.0-120	
Zinc	50.0	52.0	104	80.0-120	

L1740632-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740632-08 06/21/24 12:58 • (MS) R4084816-4 06/21/24 13:05 • (MSD) R4084816-5 06/21/24 13:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	50.7	48.8	101	97.6	1	75.0-125			3.77	20
Arsenic	50.0	0.516	51.4	50.3	102	99.5	1	75.0-125			2.16	20
Barium	50.0	13.9	59.8	61.2	91.7	94.6	1	75.0-125			2.40	20
Beryllium	50.0	U	49.6	50.2	99.1	100	1	75.0-125			1.36	20
Cadmium	50.0	0.313	53.7	54.2	107	108	1	75.0-125			1.10	20
Chromium	50.0	U	52.2	49.7	104	99.4	1	75.0-125			4.90	20
Copper	50.0	U	50.7	52.5	101	105	1	75.0-125			3.44	20
Cobalt	50.0	0.790	53.1	51.2	105	101	1	75.0-125			3.65	20
Lead	50.0	U	50.7	51.2	101	102	1	75.0-125			0.998	20
Molybdenum	50.0	U	47.0	46.7	94.0	93.5	1	75.0-125			0.613	20
Nickel	50.0	15.7	67.3	65.1	103	98.9	1	75.0-125			3.32	20
Selenium	50.0	U	48.2	50.5	96.3	101	1	75.0-125			4.73	20
Silver	50.0	U	50.8	50.2	102	100	1	75.0-125			1.20	20
Thallium	50.0	U	50.0	50.4	100	101	1	75.0-125			0.880	20
Vanadium	50.0	U	49.5	48.1	99.1	96.2	1	75.0-125			2.98	20
Zinc	50.0	105	154	143	97.1	75.8	1	75.0-125			7.19	20

Method Blank (MB)

(MB) R4097854-1 07/23/24 22:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Cadmium	U		0.150	1.00

Method Blank (MB)

(MB) R4097857-1 07/24/24 12:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4097854-2 07/23/24 22:42 • (LCSD) R4097854-3 07/23/24 22:45

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Cadmium	50.0	50.3	50.4	101	101	80.0-120			0.159	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4097857-2 07/24/24 12:32 • (LCSD) R4097857-3 07/24/24 12:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Antimony	50.0	53.3	52.7	107	105	80.0-120			1.23	20
Arsenic	50.0	50.9	51.1	102	102	80.0-120			0.528	20
Barium	50.0	48.3	48.6	96.6	97.2	80.0-120			0.604	20
Beryllium	50.0	47.6	49.9	95.1	99.9	80.0-120			4.85	20
Chromium	50.0	52.3	52.3	105	105	80.0-120			0.114	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4097857-2 07/24/24 12:32 • (LCSD) R4097857-3 07/24/24 12:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Copper	50.0	52.6	53.3	105	107	80.0-120			1.27	20
Cobalt	50.0	52.7	52.9	105	106	80.0-120			0.337	20
Lead	50.0	49.9	49.0	99.9	98.1	80.0-120			1.84	20
Molybdenum	50.0	50.5	51.8	101	104	80.0-120			2.41	20
Nickel	50.0	52.7	52.8	105	106	80.0-120			0.212	20
Selenium	50.0	49.5	49.0	98.9	97.9	80.0-120			1.01	20
Silver	50.0	49.8	50.1	99.6	100	80.0-120			0.473	20
Thallium	50.0	46.0	46.7	91.9	93.4	80.0-120			1.58	20
Vanadium	50.0	52.0	51.9	104	104	80.0-120			0.212	20

Method Blank (MB)

(MB) R4097852-1 07/23/24 22:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Cadmium,Dissolved	U		0.150	1.00

Method Blank (MB)

(MB) R4097856-1 07/24/24 12:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	0.222	J	0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4097852-2 07/23/24 22:35 • (LCSD) R4097852-3 07/23/24 22:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Cadmium,Dissolved	50.0	51.1	51.2	102	102	80.0-120			0.122	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4097856-2 07/24/24 12:38 • (LCSD) R4097856-3 07/24/24 12:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	53.6	53.7	107	107	80.0-120			0.0733	20
Arsenic,Dissolved	50.0	51.6	52.6	103	105	80.0-120			2.02	20
Copper,Dissolved	50.0	53.6	53.6	107	107	80.0-120			0.00860	20
Lead,Dissolved	50.0	50.4	49.6	101	99.2	80.0-120			1.60	20
Nickel,Dissolved	50.0	52.9	53.6	106	107	80.0-120			1.24	20
Selenium,Dissolved	50.0	50.7	50.5	101	101	80.0-120			0.386	20
Silver,Dissolved	50.0	49.4	49.6	98.7	99.3	80.0-120			0.544	20
Thallium,Dissolved	50.0	47.4	46.6	94.8	93.1	80.0-120			1.79	20
Zinc,Dissolved	50.0	50.4	52.3	101	105	80.0-120			3.63	20

Method Blank (MB)

(MB) R4098979-1 07/26/24 12:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium	0.537	J	0.381	2.00

Laboratory Control Sample (LCS)

(LCS) R4098979-2 07/26/24 12:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	50.0	51.0	102	80.0-120	

L1757498-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1757498-01 07/26/24 12:51 • (MS) R4098979-4 07/26/24 12:57 • (MSD) R4098979-5 07/26/24 13:01

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	50.0		280	282	103	106	1	75.0-125			0.590	20

Method Blank (MB)

(MB) R4098700-1 07/25/24 16:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4098700-2 07/25/24 16:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Zinc	50.0	48.7	97.5	80.0-120	

L1759532-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1759532-01 07/25/24 16:37 • (MS) R4098700-4 07/25/24 16:43 • (MSD) R4098700-5 07/25/24 16:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Zinc	50.0	U	48.1	48.5	96.2	97.0	1	75.0-125			0.752	20

Method Blank (MB)

(MB) R4077206-2 06/01/24 21:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	U		30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4077206-1 06/01/24 20:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	5700	114	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

Method Blank (MB)

(MB) R4078073-2 06/05/24 12:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	69.7	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078073-1 06/05/24 11:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	5590	112	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

Method Blank (MB)

(MB) R4078198-3 06/03/24 08:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4078198-3 06/03/24 08:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	34.4	38.2	138	153	19.0-160	J	J	10.5	27
Acrolein	25.0	14.7	17.4	58.8	69.6	10.0-160	J	J	16.8	26
Acrylonitrile	25.0	26.4	30.5	106	122	55.0-149			14.4	20
Benzene	5.00	4.91	5.74	98.2	115	70.0-123			15.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	5.54	6.19	111	124	73.0-121		J4	11.1	20
Bromodichloromethane	5.00	4.62	5.28	92.4	106	75.0-120			13.3	20
Bromoform	5.00	4.29	5.03	85.8	101	68.0-132			15.9	20
Bromomethane	5.00	6.25	7.09	125	142	10.0-160			12.6	25
n-Butylbenzene	5.00	4.46	4.98	89.2	99.6	73.0-125			11.0	20
sec-Butylbenzene	5.00	5.40	5.97	108	119	75.0-125			10.0	20
tert-Butylbenzene	5.00	4.95	5.69	99.0	114	76.0-124			13.9	20
Carbon tetrachloride	5.00	4.28	4.71	85.6	94.2	68.0-126			9.57	20
Chlorobenzene	5.00	4.72	5.45	94.4	109	80.0-121			14.4	20
Chlorodibromomethane	5.00	4.19	4.92	83.8	98.4	77.0-125			16.0	20
Chloroethane	5.00	5.33	6.00	107	120	47.0-150			11.8	20
Chloroform	5.00	4.77	5.56	95.4	111	73.0-120	J		15.3	20
Chloromethane	5.00	5.04	5.89	101	118	41.0-142			15.6	20
2-Chlorotoluene	5.00	5.32	6.15	106	123	76.0-123			14.5	20
4-Chlorotoluene	5.00	5.30	6.15	106	123	75.0-122		J4	14.8	20
1,2-Dibromo-3-Chloropropane	5.00	3.86	4.33	77.2	86.6	58.0-134	J	J	11.5	20
1,2-Dibromoethane	5.00	4.64	5.54	92.8	111	80.0-122			17.7	20
Dibromomethane	5.00	4.50	5.18	90.0	104	80.0-120			14.0	20
1,2-Dichlorobenzene	5.00	5.14	5.80	103	116	79.0-121			12.1	20
1,3-Dichlorobenzene	5.00	5.18	5.84	104	117	79.0-120			12.0	20
1,4-Dichlorobenzene	5.00	5.12	5.90	102	118	79.0-120			14.2	20
Dichlorodifluoromethane	5.00	5.41	5.77	108	115	51.0-149			6.44	20
1,1-Dichloroethane	5.00	5.00	5.77	100	115	70.0-126			14.3	20
1,2-Dichloroethane	5.00	5.16	5.80	103	116	70.0-128			11.7	20
1,1-Dichloroethene	5.00	4.42	4.83	88.4	96.6	71.0-124			8.86	20
cis-1,2-Dichloroethene	5.00	4.42	5.18	88.4	104	73.0-120			15.8	20
trans-1,2-Dichloroethene	5.00	4.57	5.30	91.4	106	73.0-120			14.8	20
1,2-Dichloropropane	5.00	4.70	5.42	94.0	108	77.0-125			14.2	20
1,1-Dichloropropene	5.00	4.75	5.27	95.0	105	74.0-126			10.4	20
1,3-Dichloropropane	5.00	5.03	5.96	101	119	80.0-120			16.9	20
cis-1,3-Dichloropropene	5.00	4.34	5.06	86.8	101	80.0-123			15.3	20
trans-1,3-Dichloropropene	5.00	4.42	5.25	88.4	105	78.0-124			17.2	20
2,2-Dichloropropane	5.00	4.01	4.47	80.2	89.4	58.0-130			10.8	20
Di-isopropyl ether	5.00	4.83	5.66	96.6	113	58.0-138			15.8	20
Ethylbenzene	5.00	4.79	5.44	95.8	109	79.0-123			12.7	20
Hexachloro-1,3-butadiene	5.00	5.13	5.57	103	111	54.0-138			8.22	20
Isopropylbenzene	5.00	4.74	5.37	94.8	107	76.0-127			12.5	20
p-Isopropyltoluene	5.00	4.90	5.42	98.0	108	76.0-125			10.1	20
2-Butanone (MEK)	25.0	27.5	31.8	110	127	44.0-160			14.5	20
Methylene Chloride	5.00	4.76	5.46	95.2	109	67.0-120	J		13.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	24.5	28.6	98.0	114	68.0-142			15.4	20
Methyl tert-butyl ether	5.00	4.49	5.30	89.8	106	68.0-125			16.5	20
Naphthalene	5.00	3.92	4.24	78.4	84.8	54.0-135	J	J	7.84	20
n-Propylbenzene	5.00	5.42	6.01	108	120	77.0-124			10.3	20
Styrene	5.00	4.46	5.27	89.2	105	73.0-130			16.6	20
1,1,1,2-Tetrachloroethane	5.00	4.57	4.98	91.4	99.6	75.0-125			8.59	20
1,1,2,2-Tetrachloroethane	5.00	5.00	5.85	100	117	65.0-130			15.7	20
1,1,2-Trichlorotrifluoroethane	5.00	4.97	5.07	99.4	101	69.0-132			1.99	20
Tetrachloroethene	5.00	4.99	5.61	99.8	112	72.0-132			11.7	20
Toluene	5.00	4.96	5.69	99.2	114	79.0-120			13.7	20
1,2,3-Trichlorobenzene	5.00	4.43	4.75	88.6	95.0	50.0-138			6.97	20
1,2,4-Trichlorobenzene	5.00	4.67	5.02	93.4	100	57.0-137			7.22	20
1,1,1-Trichloroethane	5.00	4.57	5.13	91.4	103	73.0-124			11.5	20
1,1,2-Trichloroethane	5.00	4.95	5.71	99.0	114	80.0-120			14.3	20
Trichloroethene	5.00	4.64	5.14	92.8	103	78.0-124			10.2	20
Trichlorofluoromethane	5.00	4.72	4.91	94.4	98.2	59.0-147	J	J	3.95	20
1,2,3-Trichloropropane	5.00	5.33	5.81	107	116	73.0-130			8.62	20
1,2,4-Trimethylbenzene	5.00	5.17	5.82	103	116	76.0-121			11.8	20
1,2,3-Trimethylbenzene	5.00	5.14	5.80	103	116	77.0-120			12.1	20
1,3,5-Trimethylbenzene	5.00	5.29	5.82	106	116	76.0-122			9.54	20
Vinyl chloride	5.00	5.32	5.70	106	114	67.0-131			6.90	20
Xylenes, Total	15.0	14.2	16.2	94.7	108	79.0-123			13.2	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4078575-3 06/06/24 22:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4078575-3 06/06/24 22:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	0.329	J	0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078575-1 06/06/24 19:18 • (LCSD) R4078575-2 06/06/24 19:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	15.6	19.2	62.4	76.8	19.0-160	J	J	20.7	27
Acrolein	25.0	12.9	12.6	51.6	50.4	10.0-160	J	J	2.35	26
Acrylonitrile	25.0	21.7	26.0	86.8	104	55.0-149			18.0	20
Benzene	5.00	4.25	5.27	85.0	105	70.0-123		J3	21.4	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078575-1 06/06/24 19:18 • (LCSD) R4078575-2 06/06/24 19:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.44	5.30	88.8	106	73.0-121			17.7	20
Bromodichloromethane	5.00	4.32	5.15	86.4	103	75.0-120			17.5	20
Bromoform	5.00	3.39	4.33	67.8	86.6	68.0-132	J4	J3	24.4	20
Bromomethane	5.00	2.53	3.68	50.6	73.6	10.0-160	J	J J3	37.0	25
n-Butylbenzene	5.00	4.00	4.31	80.0	86.2	73.0-125			7.46	20
sec-Butylbenzene	5.00	4.47	5.52	89.4	110	75.0-125		J3	21.0	20
tert-Butylbenzene	5.00	4.41	5.39	88.2	108	76.0-124			20.0	20
Carbon tetrachloride	5.00	4.48	5.54	89.6	111	68.0-126		J3	21.2	20
Chlorobenzene	5.00	4.25	5.19	85.0	104	80.0-121			19.9	20
Chlorodibromomethane	5.00	4.04	4.94	80.8	98.8	77.0-125			20.0	20
Chloroethane	5.00	3.12	4.80	62.4	96.0	47.0-150	J	J J3	42.4	20
Chloroform	5.00	4.43	5.35	88.6	107	73.0-120	J		18.8	20
Chloromethane	5.00	4.84	5.81	96.8	116	41.0-142			18.2	20
2-Chlorotoluene	5.00	4.34	5.21	86.8	104	76.0-123			18.2	20
4-Chlorotoluene	5.00	4.49	5.19	89.8	104	75.0-122			14.5	20
1,2-Dibromo-3-Chloropropane	5.00	4.30	4.58	86.0	91.6	58.0-134	J	J	6.31	20
1,2-Dibromoethane	5.00	4.42	5.33	88.4	107	80.0-122			18.7	20
Dibromomethane	5.00	4.61	5.30	92.2	106	80.0-120			13.9	20
1,2-Dichlorobenzene	5.00	4.18	5.11	83.6	102	79.0-121			20.0	20
1,3-Dichlorobenzene	5.00	4.49	5.06	89.8	101	79.0-120			11.9	20
1,4-Dichlorobenzene	5.00	4.55	5.29	91.0	106	79.0-120			15.0	20
Dichlorodifluoromethane	5.00	4.39	5.50	87.8	110	51.0-149	J	J3	22.4	20
1,1-Dichloroethane	5.00	4.60	5.35	92.0	107	70.0-126			15.1	20
1,2-Dichloroethane	5.00	4.61	5.59	92.2	112	70.0-128			19.2	20
1,1-Dichloroethene	5.00	5.26	5.93	105	119	71.0-124			12.0	20
cis-1,2-Dichloroethene	5.00	4.25	5.33	85.0	107	73.0-120		J3	22.5	20
trans-1,2-Dichloroethene	5.00	4.35	5.33	87.0	107	73.0-120		J3	20.2	20
1,2-Dichloropropane	5.00	4.50	5.34	90.0	107	77.0-125			17.1	20
1,1-Dichloropropene	5.00	4.52	5.35	90.4	107	74.0-126			16.8	20
1,3-Dichloropropane	5.00	4.46	5.36	89.2	107	80.0-120			18.3	20
cis-1,3-Dichloropropene	5.00	4.05	4.82	81.0	96.4	80.0-123			17.4	20
trans-1,3-Dichloropropene	5.00	3.81	4.65	76.2	93.0	78.0-124	J4		19.9	20
2,2-Dichloropropane	5.00	4.11	5.59	82.2	112	58.0-130		J3	30.5	20
Di-isopropyl ether	5.00	4.24	5.23	84.8	105	58.0-138		J3	20.9	20
Ethylbenzene	5.00	4.18	5.03	83.6	101	79.0-123			18.5	20
Hexachloro-1,3-butadiene	5.00	6.65	7.00	133	140	54.0-138		J4	5.13	20
Isopropylbenzene	5.00	3.90	4.95	78.0	99.0	76.0-127		J3	23.7	20
p-Isopropyltoluene	5.00	4.10	5.10	82.0	102	76.0-125		J3	21.7	20
2-Butanone (MEK)	25.0	20.4	23.6	81.6	94.4	44.0-160			14.5	20
Methylene Chloride	5.00	4.68	5.50	93.6	110	67.0-120	J		16.1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078575-1 06/06/24 19:18 • (LCSD) R4078575-2 06/06/24 19:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	21.6	25.9	86.4	104	68.0-142			18.1	20
Methyl tert-butyl ether	5.00	4.38	5.10	87.6	102	68.0-125			15.2	20
Naphthalene	5.00	3.26	4.00	65.2	80.0	54.0-135	J	J J3	20.4	20
n-Propylbenzene	5.00	4.35	5.11	87.0	102	77.0-124			16.1	20
Styrene	5.00	3.90	4.68	78.0	93.6	73.0-130			18.2	20
1,1,1,2-Tetrachloroethane	5.00	4.00	5.08	80.0	102	75.0-125		J3	23.8	20
1,1,2,2-Tetrachloroethane	5.00	4.87	5.30	97.4	106	65.0-130			8.46	20
1,1,2-Trichlorotrifluoroethane	5.00	4.90	6.30	98.0	126	69.0-132		J3	25.0	20
Tetrachloroethene	5.00	5.31	6.45	106	129	72.0-132			19.4	20
Toluene	5.00	4.13	5.18	82.6	104	79.0-120		J3	22.6	20
1,2,3-Trichlorobenzene	5.00	3.55	4.11	71.0	82.2	50.0-138			14.6	20
1,2,4-Trichlorobenzene	5.00	3.25	3.98	65.0	79.6	57.0-137		J3	20.2	20
1,1,1-Trichloroethane	5.00	4.64	5.75	92.8	115	73.0-124		J3	21.4	20
1,1,2-Trichloroethane	5.00	4.32	5.59	86.4	112	80.0-120		J3	25.6	20
Trichloroethene	5.00	4.64	5.52	92.8	110	78.0-124			17.3	20
Trichlorofluoromethane	5.00	4.63	5.88	92.6	118	59.0-147	J	J3	23.8	20
1,2,3-Trichloropropane	5.00	5.24	5.76	105	115	73.0-130			9.45	20
1,2,4-Trimethylbenzene	5.00	4.20	5.07	84.0	101	76.0-121			18.8	20
1,2,3-Trimethylbenzene	5.00	4.14	4.91	82.8	98.2	77.0-120			17.0	20
1,3,5-Trimethylbenzene	5.00	4.31	5.26	86.2	105	76.0-122			19.9	20
Vinyl chloride	5.00	4.54	5.60	90.8	112	67.0-131		J3	20.9	20
Xylenes, Total	15.0	12.1	14.9	80.7	99.3	79.0-123		J3	20.7	20
(S) Toluene-d8				*102*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.9*	*99.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4075530-1 05/30/24 08:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*73.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075530-2 05/30/24 08:24 • (LCSD) R4075530-3 05/30/24 08:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	868	916	116	122	50.0-150			5.38	20
C22-C32 Hydrocarbons	750	804	808	107	108	50.0-150			0.496	20
(S) o-Terphenyl				*74.0*	*75.0*	*52.0-156*				

Method Blank (MB)

(MB) R4075758-1 05/31/24 07:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	34.9	J	33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*58.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075758-2 05/31/24 08:10 • (LCSD) R4075758-3 05/31/24 08:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	829	966	111	129	50.0-150			15.3	20
C22-C32 Hydrocarbons	750	734	870	97.9	116	50.0-150			17.0	20
(S) o-Terphenyl				*73.0*	*77.5*	*52.0-156*				

Method Blank (MB)

(MB) R4076519-1 06/02/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*59.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076519-2 06/02/24 10:58 • (LCSD) R4076519-3 06/02/24 11:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	793	803	106	107	50.0-150			1.25	20
C22-C32 Hydrocarbons	750	722	733	96.3	97.7	50.0-150			1.51	20
(S) o-Terphenyl				*73.5*	*73.5*	*52.0-156*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # ABAI

Lab Project # **ROUXOCA-CA**

Collected by (print): Connor Platt

Site/Facility ID # ~

P.O. # –

Collected by (signature):

Immediately
Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
____Same Day ____Five Day
____Next Day ____5 Day (Rad Only)
____Two Day ____10 Day (Rad Only)
____Three Day

Quote # –

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6010CAM17 250mlHDPE-HNO3	M6010DCAM17 (FF) 250mlHDPE-HNO3	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
GW-2-2	G	GW	14.05	5/24/24	0800	9	X	X	X	X	X		-01
GW-4-2	G	GW	8.10		1025	9	X	X	X	X	X		-02
GW-4-1	G	GW	9.15		1105	9	X	X	X	X	X		-03
Dup-2	G	GW	–		1200	9	X	X	X	X	X		-04
P-01	G	GW	9.45		1205	9	X	X	X	X	X		-05
P-11	G	GW	4.75		1305	9	X	X	X	X	X		-06
P-02	G	GW	6.45		1410	9	X	X	X	X	X		-07
P-12	G	GW			1505	9	X	X	X	X	X		-08
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		

MS 5/24/24

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740836

H223

Table #

Acctnum: **ROUXOCA**
Template: **T253289**
Prelogin: **P1076384**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/24/24	1409	paa		
Relinquished by : (Signature) paa	Date: 5/24/24	Time: 1630	Received by: (Signature) SWA Cargo	Temp: 6.0 °C Bottles Received: 82	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Orion	Date: 5/25/24 Time: 1200	Hold: Condition: NCF / OK

L1740636

Tracking Numbers	Temperature
SW	2.3+0.1=2.4 EOA6
SW	1.8+0.1= 1.9 EOA6
SW	1.3+0.1=1.4 EOA6

Emtan Orgen
Name

5/25/24
Date

5/25 NCF-ROUXOCA L1740636

R5

Time estimate: oh **Time spent:** oh

Members

Nicolle Faulk (responsible) Jennifer Gambill

Due on *31 May 2024 5:00 PM* for target *Done*

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [x] Broken container
- [x] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Nicolle Faulk *25 May 2024 4:38 PM*

1 broken HCL vial for ID: DUP-02.

Jennifer Gambill *28 May 2024 12:20 PM*

Please continue with remaining vials.

Matthew Shacklock *28 May 2024 1:33 PM*

Done

ANALYTICAL REPORT

October 01, 2024

Revised Report

Roux - Oakland, CA

Sample Delivery Group:	L1740641
Samples Received:	05/25/2024
Project Number:	AB&1
Description:	AB&I Redevelopment

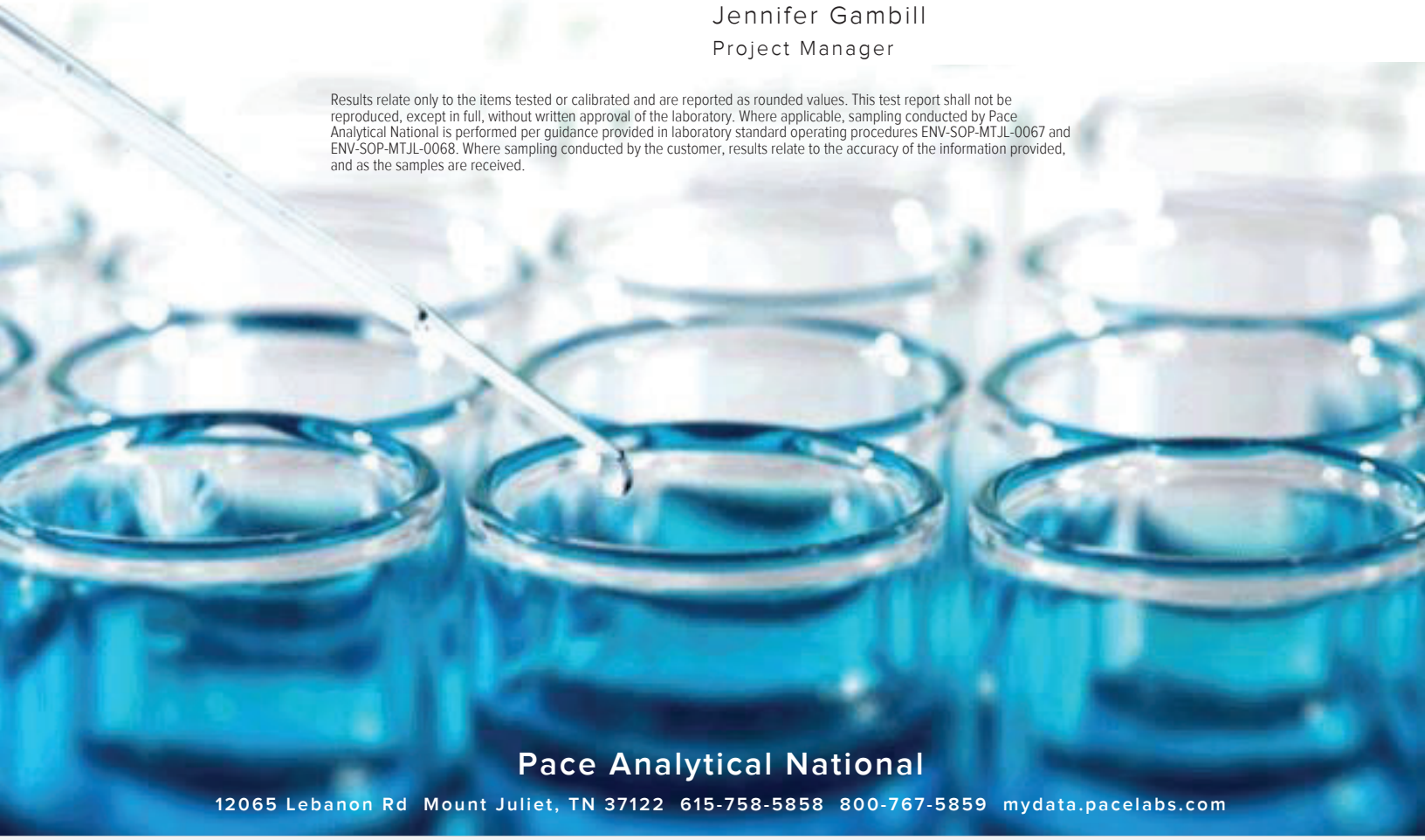
Report To:

Joshua Osborne
555 12th Street
Suite 250
Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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GW-3-1 L1740641-01 GW

Collected by: D. Bailey | Collected date/time: 05/24/24 08:32 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/29/24 22:49	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/30/24 00:01	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296311	1	06/06/24 18:13	06/07/24 02:59	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/26/24 18:37	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/21/24 17:42	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296903	1	06/02/24 07:56	06/02/24 07:56	DSS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 13:51	06/03/24 13:51	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 14:28	MAA	Mt. Juliet, TN

GW-3-2 L1740641-02 GW

Collected by: D. Bailey | Collected date/time: 05/24/24 10:12 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/30/24 00:03	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:52	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:16	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:52	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 17:46	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297105	1	06/02/24 15:19	06/02/24 15:19	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 14:14	06/03/24 14:14	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300160	10	06/07/24 06:07	06/07/24 06:07	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 14:48	MAA	Mt. Juliet, TN

GW-6-1 L1740641-03 GW

Collected by: D. Bailey | Collected date/time: 05/24/24 13:12 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293415	1	05/29/24 12:55	05/30/24 00:06	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2293420	1	05/29/24 13:03	05/29/24 22:54	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2328408	1	07/23/24 14:02	07/23/24 19:37	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 15:55	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/21/24 17:49	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298769	1	06/05/24 10:19	06/26/24 18:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297105	1	06/02/24 15:42	06/02/24 15:42	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 14:36	06/03/24 14:36	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 15:12	MAA	Mt. Juliet, TN

GW-6-2 L1740641-04 GW

Collected by: D. Bailey | Collected date/time: 05/24/24 12:02 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293417	1	05/29/24 13:54	05/30/24 22:29	NDL	Mt. Juliet, TN
Mercury by Method 7470A	WG2294965	1	05/30/24 09:33	05/30/24 19:56	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296311	1	06/06/24 18:13	06/07/24 03:22	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2296381	1	06/05/24 11:26	06/26/24 18:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298963	1	06/06/24 04:18	06/26/24 18:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297105	1	06/02/24 16:05	06/02/24 16:05	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297219	1	06/03/24 14:59	06/03/24 14:59	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 15:32	MAA	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/29/24 12:31
Level II Report - Version 2: 08/15/24 20:08

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Mercury by Method 7470A

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-6-2	L1740641-04	Mercury	0.896		0.100	0.200	1	05/30/2024 22:29	WG2293417

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-1	L1740641-01	Barium,Dissolved	95.9		0.736	5.00	1	06/07/2024 02:59	WG2296311
GW-3-1	L1740641-01	Cobalt,Dissolved	2.81	J	0.840	10.0	1	06/07/2024 02:59	WG2296311
GW-3-1	L1740641-01	Molybdenum,Dissolved	21.2		1.16	5.00	1	06/07/2024 02:59	WG2296311
GW-3-1	L1740641-01	Vanadium,Dissolved	10.3	J	4.99	20.0	1	06/07/2024 02:59	WG2296311
GW-3-2	L1740641-02	Barium,Dissolved	122		0.736	5.00	1	07/23/2024 19:16	WG2328408
GW-3-2	L1740641-02	Cobalt,Dissolved	3.84	J	0.840	10.0	1	07/23/2024 19:16	WG2328408
GW-3-2	L1740641-02	Molybdenum,Dissolved	45.7		1.16	5.00	1	07/23/2024 19:16	WG2328408
GW-6-1	L1740641-03	Barium,Dissolved	117		0.736	5.00	1	07/23/2024 19:37	WG2328408
GW-6-1	L1740641-03	Cobalt,Dissolved	2.42	J	0.840	10.0	1	07/23/2024 19:37	WG2328408
GW-6-1	L1740641-03	Molybdenum,Dissolved	34.5		1.16	5.00	1	07/23/2024 19:37	WG2328408
GW-6-2	L1740641-04	Barium,Dissolved	72.3		0.736	5.00	1	06/07/2024 03:22	WG2296311
GW-6-2	L1740641-04	Cobalt,Dissolved	6.26	J	0.840	10.0	1	06/07/2024 03:22	WG2296311
GW-6-2	L1740641-04	Molybdenum,Dissolved	40.3		1.16	5.00	1	06/07/2024 03:22	WG2296311
GW-6-2	L1740641-04	Vanadium,Dissolved	8.58	J	4.99	20.0	1	06/07/2024 03:22	WG2296311

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-1	L1740641-01	Arsenic	13.9		0.180	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Arsenic,Dissolved	3.52		0.180	2.00	1	06/26/2024 18:37	WG2296381
GW-3-1	L1740641-01	Barium	1050		0.381	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Beryllium	0.839	J	0.190	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Cadmium	0.647	J	0.150	1.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Chromium	45.6		1.24	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Copper	47.2		1.51	5.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Cobalt	20.8		0.0596	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Lead	88.4		0.849	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Molybdenum	12.7		0.348	5.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Nickel	69.4		0.816	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Nickel,Dissolved	11.1		0.816	2.00	1	06/26/2024 18:37	WG2296381
GW-3-1	L1740641-01	Selenium	1.40	J	0.300	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Silver	0.128	J	0.0700	2.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Vanadium	51.5		0.664	5.00	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Zinc	659		3.02	25.0	1	06/21/2024 17:42	WG2298769
GW-3-1	L1740641-01	Zinc,Dissolved	4.39	J	3.02	25.0	1	06/26/2024 18:37	WG2296381
GW-3-2	L1740641-02	Arsenic	3.13		0.180	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Arsenic,Dissolved	0.557	J	0.180	2.00	1	06/21/2024 15:52	WG2296381
GW-3-2	L1740641-02	Barium	237		0.381	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Beryllium	0.327	J	0.190	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Cadmium	0.405	J	0.150	1.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Cadmium,Dissolved	0.237	J	0.150	1.00	1	06/21/2024 15:52	WG2296381
GW-3-2	L1740641-02	Chromium	31.4		1.24	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Copper	22.1		1.51	5.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Copper,Dissolved	1.85	J	1.51	5.00	1	06/21/2024 15:52	WG2296381
GW-3-2	L1740641-02	Cobalt	9.85		0.0596	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Lead	7.23		0.849	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Molybdenum	60.1		0.348	5.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Nickel	50.3		0.816	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Nickel,Dissolved	10.0		0.816	2.00	1	06/21/2024 15:52	WG2296381

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-2	L1740641-02	Selenium	1.27	J	0.300	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Silver	0.210	J	0.0700	2.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Vanadium	30.1		0.664	5.00	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Zinc	170		3.02	25.0	1	06/26/2024 18:40	WG2298769
GW-3-2	L1740641-02	Zinc,Dissolved	15.4	J	3.02	25.0	1	06/21/2024 15:52	WG2296381
GW-6-1	L1740641-03	Arsenic	9.65		0.180	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Arsenic,Dissolved	13.7		0.180	2.00	1	06/21/2024 15:55	WG2296381
GW-6-1	L1740641-03	Barium	218		0.381	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Beryllium	0.274	J	0.190	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Chromium	18.8		1.24	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Copper	23.8		1.51	5.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Copper,Dissolved	2.13	J	1.51	5.00	1	06/21/2024 15:55	WG2296381
GW-6-1	L1740641-03	Cobalt	7.96		0.0596	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Lead	5.35		0.849	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Molybdenum	17.9		0.348	5.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Nickel	41.1		0.816	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Nickel,Dissolved	12.8		0.816	2.00	1	06/21/2024 15:55	WG2296381
GW-6-1	L1740641-03	Selenium	0.436	J	0.300	2.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Selenium,Dissolved	0.629	J	0.300	2.00	1	06/21/2024 15:55	WG2296381
GW-6-1	L1740641-03	Vanadium	27.2		0.664	5.00	1	06/26/2024 18:43	WG2298769
GW-6-1	L1740641-03	Zinc	65.6		3.02	25.0	1	06/26/2024 18:43	WG2298769
GW-6-2	L1740641-04	Arsenic	1.59	J	0.180	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Arsenic,Dissolved	0.389	J	0.180	2.00	1	06/26/2024 18:46	WG2296381
GW-6-2	L1740641-04	Barium	259		0.381	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Beryllium	1.27	J	0.190	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Cadmium	0.772	J	0.150	1.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Cadmium,Dissolved	0.184	J	0.150	1.00	1	06/26/2024 18:46	WG2296381
GW-6-2	L1740641-04	Chromium	43.5		1.24	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Copper	36.4		1.51	5.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Cobalt	33.6		0.0596	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Lead	7.53		0.849	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Molybdenum	3.82	J	0.348	5.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Nickel	131		0.816	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Nickel,Dissolved	28.1		0.816	2.00	1	06/26/2024 18:46	WG2296381
GW-6-2	L1740641-04	Selenium	1.28	J	0.300	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Silver	0.0892	J	0.0700	2.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Vanadium	58.0		0.664	5.00	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Zinc	118		3.02	25.0	1	06/26/2024 18:13	WG2298963
GW-6-2	L1740641-04	Zinc,Dissolved	3.52	J	3.02	25.0	1	06/26/2024 18:46	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-1	L1740641-01	TPHG C5 - C12	85.2	J	30.4	100	1	06/02/2024 07:56	WG2296903
GW-3-2	L1740641-02	TPHG C5 - C12	200	B	30.4	100	1	06/02/2024 15:19	WG2297105
GW-6-1	L1740641-03	TPHG C5 - C12	928		30.4	100	1	06/02/2024 15:42	WG2297105
GW-6-2	L1740641-04	TPHG C5 - C12	62.0	B J	30.4	100	1	06/02/2024 16:05	WG2297105

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-1	L1740641-01	Acetone	16.7	J	11.3	50.0	1	06/03/2024 13:51	WG2297219
GW-3-1	L1740641-01	1,1-Dichloroethane	2.91		0.100	1.00	1	06/03/2024 13:51	WG2297219
GW-3-1	L1740641-01	1,1-Dichloroethene	108		0.188	1.00	1	06/03/2024 13:51	WG2297219
GW-3-1	L1740641-01	cis-1,2-Dichloroethene	1.35		0.126	1.00	1	06/03/2024 13:51	WG2297219
GW-3-1	L1740641-01	2-Butanone (MEK)	3.50	J	1.19	10.0	1	06/03/2024 13:51	WG2297219
GW-3-1	L1740641-01	Vinyl chloride	6.66		0.234	1.00	1	06/03/2024 13:51	WG2297219
GW-3-2	L1740641-02	1,1-Dichloroethane	4.75		0.100	1.00	1	06/03/2024 14:14	WG2297219
GW-3-2	L1740641-02	1,1-Dichloroethene	315		1.88	10.0	10	06/07/2024 06:07	WG2300160
GW-3-2	L1740641-02	cis-1,2-Dichloroethene	2.39		0.126	1.00	1	06/03/2024 14:14	WG2297219
GW-3-2	L1740641-02	Vinyl chloride	7.71		0.234	1.00	1	06/03/2024 14:14	WG2297219
GW-6-1	L1740641-03	Benzene	13.0		0.0941	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	sec-Butylbenzene	4.26		0.125	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	tert-Butylbenzene	0.541	J	0.127	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	Ethylbenzene	5.33		0.137	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	Isopropylbenzene	5.40		0.105	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	p-Isopropyltoluene	2.55		0.120	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	Naphthalene	5.84		1.00	5.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	n-Propylbenzene	6.91		0.0993	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	Toluene	1.44		0.278	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	1,2,3-Trimethylbenzene	6.70		0.104	1.00	1	06/03/2024 14:36	WG2297219
GW-6-1	L1740641-03	Xylenes, Total	1.12	J	0.174	3.00	1	06/03/2024 14:36	WG2297219
GW-6-2	L1740641-04	Trichloroethene	1.99		0.190	1.00	1	06/03/2024 14:59	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
GW-3-1	L1740641-01	C12-C22 Hydrocarbons	393		33.0	100	1	05/31/2024 14:28	WG2295250
GW-3-1	L1740641-01	C22-C32 Hydrocarbons	288		33.0	100	1	05/31/2024 14:28	WG2295250
GW-3-1	L1740641-01	C32-C40 Hydrocarbons	102		33.0	100	1	05/31/2024 14:28	WG2295250
GW-3-2	L1740641-02	C12-C22 Hydrocarbons	155	B	33.0	100	1	05/31/2024 14:48	WG2295250
GW-3-2	L1740641-02	C22-C32 Hydrocarbons	172		33.0	100	1	05/31/2024 14:48	WG2295250
GW-3-2	L1740641-02	C32-C40 Hydrocarbons	47.4	J	33.0	100	1	05/31/2024 14:48	WG2295250
GW-6-1	L1740641-03	C12-C22 Hydrocarbons	812		33.0	100	1	05/31/2024 15:12	WG2295250
GW-6-1	L1740641-03	C22-C32 Hydrocarbons	97.4	J	33.0	100	1	05/31/2024 15:12	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/29/2024 22:49	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/30/2024 00:01	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	95.9		0.736	5.00	1	06/07/2024 02:59	WG2296311
Beryllium,Dissolved	U		0.330	2.00	1	06/07/2024 02:59	WG2296311
Chromium,Dissolved	U		1.40	10.0	1	06/07/2024 02:59	WG2296311
Cobalt,Dissolved	2.81	J	0.840	10.0	1	06/07/2024 02:59	WG2296311
Molybdenum,Dissolved	21.2		1.16	5.00	1	06/07/2024 02:59	WG2296311
Vanadium,Dissolved	10.3	J	4.99	20.0	1	06/07/2024 02:59	WG2296311

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/21/2024 17:42	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/26/2024 18:37	WG2296381
Arsenic	13.9		0.180	2.00	1	06/21/2024 17:42	WG2298769
Arsenic,Dissolved	3.52		0.180	2.00	1	06/26/2024 18:37	WG2296381
Barium	1050		0.381	2.00	1	06/21/2024 17:42	WG2298769
Beryllium	0.839	J	0.190	2.00	1	06/21/2024 17:42	WG2298769
Cadmium	0.647	J	0.150	1.00	1	06/21/2024 17:42	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/26/2024 18:37	WG2296381
Chromium	45.6		1.24	2.00	1	06/21/2024 17:42	WG2298769
Copper	47.2		1.51	5.00	1	06/21/2024 17:42	WG2298769
Copper,Dissolved	U		1.51	5.00	1	06/26/2024 18:37	WG2296381
Cobalt	20.8		0.0596	2.00	1	06/21/2024 17:42	WG2298769
Lead	88.4		0.849	2.00	1	06/21/2024 17:42	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/26/2024 18:37	WG2296381
Molybdenum	12.7		0.348	5.00	1	06/21/2024 17:42	WG2298769
Nickel	69.4		0.816	2.00	1	06/21/2024 17:42	WG2298769
Nickel,Dissolved	11.1		0.816	2.00	1	06/26/2024 18:37	WG2296381
Selenium	1.40	J	0.300	2.00	1	06/21/2024 17:42	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	06/26/2024 18:37	WG2296381
Silver	0.128	J	0.0700	2.00	1	06/21/2024 17:42	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/26/2024 18:37	WG2296381
Thallium	U		0.121	2.00	1	06/21/2024 17:42	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/26/2024 18:37	WG2296381
Vanadium	51.5		0.664	5.00	1	06/21/2024 17:42	WG2298769
Zinc	659		3.02	25.0	1	06/21/2024 17:42	WG2298769
Zinc,Dissolved	4.39	J	3.02	25.0	1	06/26/2024 18:37	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	85.2	J	30.4	100	1	06/02/2024 07:56	WG2296903
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/02/2024 07:56*	WG2296903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	16.7	J	11.3	50.0	1	06/03/2024 13:51	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 13:51	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 13:51	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 13:51	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 13:51	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 13:51	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 13:51	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 13:51	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 13:51	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 13:51	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 13:51	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 13:51	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 13:51	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 13:51	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 13:51	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 13:51	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 13:51	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 13:51	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 13:51	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 13:51	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 13:51	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 13:51	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 13:51	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 13:51	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 13:51	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 13:51	WG2297219
1,1-Dichloroethane	2.91		0.100	1.00	1	06/03/2024 13:51	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 13:51	WG2297219
1,1-Dichloroethene	108		0.188	1.00	1	06/03/2024 13:51	WG2297219
cis-1,2-Dichloroethene	1.35		0.126	1.00	1	06/03/2024 13:51	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 13:51	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 13:51	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 13:51	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 13:51	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 13:51	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 13:51	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 13:51	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 13:51	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 13:51	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 13:51	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 13:51	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 13:51	WG2297219
2-Butanone (MEK)	3.50	J	1.19	10.0	1	06/03/2024 13:51	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 13:51	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 13:51	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 13:51	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 13:51	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 13:51	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 13:51	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 13:51	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 13:51	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 13:51	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 13:51	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 13:51	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 13:51	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 13:51	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 13:51	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 13:51	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 13:51	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 13:51	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 13:51	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 13:51	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:51	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 13:51	WG2297219
Vinyl chloride	6.66		0.234	1.00	1	06/03/2024 13:51	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 13:51	WG2297219
(S) Toluene-d8	*107*			*80.0-120*		*06/03/2024 13:51*	WG2297219
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*06/03/2024 13:51*	WG2297219
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/03/2024 13:51*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	393		33.0	100	1	05/31/2024 14:28	WG2295250
C22-C32 Hydrocarbons	288		33.0	100	1	05/31/2024 14:28	WG2295250
C32-C40 Hydrocarbons	102		33.0	100	1	05/31/2024 14:28	WG2295250
(S) o-Terphenyl	*71.6*			*52.0-156*		*05/31/2024 14:28*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/30/2024 00:03	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:52	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	122		0.736	5.00	1	07/23/2024 19:16	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:16	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:16	WG2328408
Cobalt,Dissolved	3.84	J	0.840	10.0	1	07/23/2024 19:16	WG2328408
Molybdenum,Dissolved	45.7		1.16	5.00	1	07/23/2024 19:16	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:16	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:40	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:52	WG2296381
Arsenic	3.13		0.180	2.00	1	06/26/2024 18:40	WG2298769
Arsenic,Dissolved	0.557	J	0.180	2.00	1	06/21/2024 15:52	WG2296381
Barium	237		0.381	2.00	1	06/26/2024 18:40	WG2298769
Beryllium	0.327	J	0.190	2.00	1	06/26/2024 18:40	WG2298769
Cadmium	0.405	J	0.150	1.00	1	06/26/2024 18:40	WG2298769
Cadmium,Dissolved	0.237	J	0.150	1.00	1	06/21/2024 15:52	WG2296381
Chromium	31.4		1.24	2.00	1	06/26/2024 18:40	WG2298769
Copper	22.1		1.51	5.00	1	06/26/2024 18:40	WG2298769
Copper,Dissolved	1.85	J	1.51	5.00	1	06/21/2024 15:52	WG2296381
Cobalt	9.85		0.0596	2.00	1	06/26/2024 18:40	WG2298769
Lead	7.23		0.849	2.00	1	06/26/2024 18:40	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/21/2024 17:46	WG2296381
Molybdenum	60.1		0.348	5.00	1	06/26/2024 18:40	WG2298769
Nickel	50.3		0.816	2.00	1	06/26/2024 18:40	WG2298769
Nickel,Dissolved	10.0		0.816	2.00	1	06/21/2024 15:52	WG2296381
Selenium	1.27	J	0.300	2.00	1	06/26/2024 18:40	WG2298769
Selenium,Dissolved	U		0.300	2.00	1	06/21/2024 15:52	WG2296381
Silver	0.210	J	0.0700	2.00	1	06/26/2024 18:40	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:52	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:40	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 17:46	WG2296381
Vanadium	30.1		0.664	5.00	1	06/26/2024 18:40	WG2298769
Zinc	170		3.02	25.0	1	06/26/2024 18:40	WG2298769
Zinc,Dissolved	15.4	J	3.02	25.0	1	06/21/2024 15:52	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	200	B	30.4	100	1	06/02/2024 15:19	WG2297105
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*78.0-120*		*06/02/2024 15:19*	WG2297105

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 14:14	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 14:14	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 14:14	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 14:14	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 14:14	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 14:14	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 14:14	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 14:14	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 14:14	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 14:14	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 14:14	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 14:14	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 14:14	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 14:14	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 14:14	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 14:14	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 14:14	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 14:14	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 14:14	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 14:14	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 14:14	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 14:14	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 14:14	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 14:14	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 14:14	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 14:14	WG2297219
1,1-Dichloroethane	4.75		0.100	1.00	1	06/03/2024 14:14	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 14:14	WG2297219
1,1-Dichloroethene	315		1.88	10.0	10	06/07/2024 06:07	WG2300160
cis-1,2-Dichloroethene	2.39		0.126	1.00	1	06/03/2024 14:14	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 14:14	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 14:14	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 14:14	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 14:14	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 14:14	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 14:14	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 14:14	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 14:14	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 14:14	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 14:14	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 14:14	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 14:14	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 14:14	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 14:14	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 14:14	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 14:14	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 14:14	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 14:14	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 14:14	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 14:14	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 14:14	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 14:14	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 14:14	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 14:14	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 14:14	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 14:14	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 14:14	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 14:14	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 14:14	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 14:14	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 14:14	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 14:14	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 14:14	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 14:14	WG2297219
Vinyl chloride	7.71		0.234	1.00	1	06/03/2024 14:14	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 14:14	WG2297219
(S) Toluene-d8	*108*			*80.0-120*		*06/03/2024 14:14*	WG2297219
(S) Toluene-d8	*109*			*80.0-120*		*06/07/2024 06:07*	WG2300160
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/03/2024 14:14*	WG2297219
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/07/2024 06:07*	WG2300160
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/03/2024 14:14*	WG2297219
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/07/2024 06:07*	WG2300160

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	155	B	33.0	100	1	05/31/2024 14:48	WG2295250
C22-C32 Hydrocarbons	172		33.0	100	1	05/31/2024 14:48	WG2295250
C32-C40 Hydrocarbons	47.4	J	33.0	100	1	05/31/2024 14:48	WG2295250
(S) o-Terphenyl	*69.5*			*52.0-156*		*05/31/2024 14:48*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/30/2024 00:06	WG2293415
Mercury,Dissolved	U		0.100	0.200	1	05/29/2024 22:54	WG2293420

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	117		0.736	5.00	1	07/23/2024 19:37	WG2328408
Beryllium,Dissolved	U		0.330	2.00	1	07/23/2024 19:37	WG2328408
Chromium,Dissolved	U		1.40	10.0	1	07/23/2024 19:37	WG2328408
Cobalt,Dissolved	2.42	J	0.840	10.0	1	07/23/2024 19:37	WG2328408
Molybdenum,Dissolved	34.5		1.16	5.00	1	07/23/2024 19:37	WG2328408
Vanadium,Dissolved	U		4.99	20.0	1	07/23/2024 19:37	WG2328408

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:43	WG2298769
Antimony,Dissolved	U		1.03	4.00	1	06/21/2024 15:55	WG2296381
Arsenic	9.65		0.180	2.00	1	06/26/2024 18:43	WG2298769
Arsenic,Dissolved	13.7		0.180	2.00	1	06/21/2024 15:55	WG2296381
Barium	218		0.381	2.00	1	06/26/2024 18:43	WG2298769
Beryllium	0.274	J	0.190	2.00	1	06/26/2024 18:43	WG2298769
Cadmium	U		0.150	1.00	1	06/26/2024 18:43	WG2298769
Cadmium,Dissolved	U		0.150	1.00	1	06/21/2024 15:55	WG2296381
Chromium	18.8		1.24	2.00	1	06/26/2024 18:43	WG2298769
Copper	23.8		1.51	5.00	1	06/26/2024 18:43	WG2298769
Copper,Dissolved	2.13	J	1.51	5.00	1	06/21/2024 15:55	WG2296381
Cobalt	7.96		0.0596	2.00	1	06/26/2024 18:43	WG2298769
Lead	5.35		0.849	2.00	1	06/26/2024 18:43	WG2298769
Lead,Dissolved	U		0.849	2.00	1	06/21/2024 17:49	WG2296381
Molybdenum	17.9		0.348	5.00	1	06/26/2024 18:43	WG2298769
Nickel	41.1		0.816	2.00	1	06/26/2024 18:43	WG2298769
Nickel,Dissolved	12.8		0.816	2.00	1	06/21/2024 15:55	WG2296381
Selenium	0.436	J	0.300	2.00	1	06/26/2024 18:43	WG2298769
Selenium,Dissolved	0.629	J	0.300	2.00	1	06/21/2024 15:55	WG2296381
Silver	U		0.0700	2.00	1	06/26/2024 18:43	WG2298769
Silver,Dissolved	U		0.0700	2.00	1	06/21/2024 15:55	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:43	WG2298769
Thallium,Dissolved	U		0.121	2.00	1	06/21/2024 17:49	WG2296381
Vanadium	27.2		0.664	5.00	1	06/26/2024 18:43	WG2298769
Zinc	65.6		3.02	25.0	1	06/26/2024 18:43	WG2298769
Zinc,Dissolved	U		3.02	25.0	1	06/21/2024 15:55	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	928		30.4	100	1	06/02/2024 15:42	WG2297105
(S) a,a,a-Trifluorotoluene(FID)	*94.6*			*78.0-120*		*06/02/2024 15:42*	WG2297105

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 14:36	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 14:36	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 14:36	WG2297219
Benzene	13.0		0.0941	1.00	1	06/03/2024 14:36	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 14:36	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 14:36	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 14:36	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 14:36	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 14:36	WG2297219
sec-Butylbenzene	4.26		0.125	1.00	1	06/03/2024 14:36	WG2297219
tert-Butylbenzene	0.541	J	0.127	1.00	1	06/03/2024 14:36	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 14:36	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 14:36	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 14:36	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 14:36	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 14:36	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 14:36	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 14:36	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 14:36	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 14:36	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 14:36	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 14:36	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 14:36	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 14:36	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 14:36	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 14:36	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 14:36	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 14:36	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 14:36	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 14:36	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 14:36	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 14:36	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 14:36	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 14:36	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 14:36	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 14:36	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 14:36	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 14:36	WG2297219
Ethylbenzene	5.33		0.137	1.00	1	06/03/2024 14:36	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 14:36	WG2297219
Isopropylbenzene	5.40		0.105	1.00	1	06/03/2024 14:36	WG2297219
p-Isopropyltoluene	2.55		0.120	1.00	1	06/03/2024 14:36	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 14:36	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 14:36	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 14:36	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 14:36	WG2297219
Naphthalene	5.84		1.00	5.00	1	06/03/2024 14:36	WG2297219
n-Propylbenzene	6.91		0.0993	1.00	1	06/03/2024 14:36	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 14:36	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 14:36	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 14:36	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 14:36	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 14:36	WG2297219
Toluene	1.44		0.278	1.00	1	06/03/2024 14:36	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 14:36	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 14:36	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 14:36	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 14:36	WG2297219
Trichloroethene	U		0.190	1.00	1	06/03/2024 14:36	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 14:36	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 14:36	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 14:36	WG2297219
1,2,3-Trimethylbenzene	6.70		0.104	1.00	1	06/03/2024 14:36	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 14:36	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 14:36	WG2297219
Xylenes, Total	1.12	J	0.174	3.00	1	06/03/2024 14:36	WG2297219
(S) Toluene-d8	*101*			*80.0-120*		*06/03/2024 14:36*	WG2297219
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*06/03/2024 14:36*	WG2297219
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/03/2024 14:36*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	812		33.0	100	1	05/31/2024 15:12	WG2295250
C22-C32 Hydrocarbons	97.4	J	33.0	100	1	05/31/2024 15:12	WG2295250
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 15:12	WG2295250
(S) o-Terphenyl	*75.3*			*52.0-156*		*05/31/2024 15:12*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	0.896		0.100	0.200	1	05/30/2024 22:29	WG2293417
Mercury,Dissolved	U	J6 O1	0.100	0.200	1	05/30/2024 19:56	WG2294965

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	72.3		0.736	5.00	1	06/07/2024 03:22	WG2296311
Beryllium,Dissolved	U		0.330	2.00	1	06/07/2024 03:22	WG2296311
Chromium,Dissolved	U		1.40	10.0	1	06/07/2024 03:22	WG2296311
Cobalt,Dissolved	6.26	J	0.840	10.0	1	06/07/2024 03:22	WG2296311
Molybdenum,Dissolved	40.3		1.16	5.00	1	06/07/2024 03:22	WG2296311
Vanadium,Dissolved	8.58	J	4.99	20.0	1	06/07/2024 03:22	WG2296311

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:13	WG2298963
Antimony,Dissolved	U		1.03	4.00	1	06/26/2024 18:46	WG2296381
Arsenic	1.59	J	0.180	2.00	1	06/26/2024 18:13	WG2298963
Arsenic,Dissolved	0.389	J	0.180	2.00	1	06/26/2024 18:46	WG2296381
Barium	259		0.381	2.00	1	06/26/2024 18:13	WG2298963
Beryllium	1.27	J	0.190	2.00	1	06/26/2024 18:13	WG2298963
Cadmium	0.772	J	0.150	1.00	1	06/26/2024 18:13	WG2298963
Cadmium,Dissolved	0.184	J	0.150	1.00	1	06/26/2024 18:46	WG2296381
Chromium	43.5		1.24	2.00	1	06/26/2024 18:13	WG2298963
Copper	36.4		1.51	5.00	1	06/26/2024 18:13	WG2298963
Copper,Dissolved	U		1.51	5.00	1	06/26/2024 18:46	WG2296381
Cobalt	33.6		0.0596	2.00	1	06/26/2024 18:13	WG2298963
Lead	7.53		0.849	2.00	1	06/26/2024 18:13	WG2298963
Lead,Dissolved	U		0.849	2.00	1	06/26/2024 18:46	WG2296381
Molybdenum	3.82	J	0.348	5.00	1	06/26/2024 18:13	WG2298963
Nickel	131		0.816	2.00	1	06/26/2024 18:13	WG2298963
Nickel,Dissolved	28.1		0.816	2.00	1	06/26/2024 18:46	WG2296381
Selenium	1.28	J	0.300	2.00	1	06/26/2024 18:13	WG2298963
Selenium,Dissolved	U		0.300	2.00	1	06/26/2024 18:46	WG2296381
Silver	0.0892	J	0.0700	2.00	1	06/26/2024 18:13	WG2298963
Silver,Dissolved	U		0.0700	2.00	1	06/26/2024 18:46	WG2296381
Thallium	U		0.121	2.00	1	06/26/2024 18:13	WG2298963
Thallium,Dissolved	U		0.121	2.00	1	06/26/2024 18:46	WG2296381
Vanadium	58.0		0.664	5.00	1	06/26/2024 18:13	WG2298963
Zinc	118		3.02	25.0	1	06/26/2024 18:13	WG2298963
Zinc,Dissolved	3.52	J	3.02	25.0	1	06/26/2024 18:46	WG2296381

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	62.0	B J	30.4	100	1	06/02/2024 16:05	WG2297105
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*78.0-120*		*06/02/2024 16:05*	WG2297105

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/03/2024 14:59	WG2297219
Acrolein	U		2.54	50.0	1	06/03/2024 14:59	WG2297219
Acrylonitrile	U		0.671	10.0	1	06/03/2024 14:59	WG2297219
Benzene	U		0.0941	1.00	1	06/03/2024 14:59	WG2297219
Bromobenzene	U	J4	0.118	1.00	1	06/03/2024 14:59	WG2297219
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 14:59	WG2297219
Bromoform	U		0.129	1.00	1	06/03/2024 14:59	WG2297219
Bromomethane	U		0.605	5.00	1	06/03/2024 14:59	WG2297219
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 14:59	WG2297219
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 14:59	WG2297219
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 14:59	WG2297219
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 14:59	WG2297219
Chlorobenzene	U		0.116	1.00	1	06/03/2024 14:59	WG2297219
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 14:59	WG2297219
Chloroethane	U		0.192	5.00	1	06/03/2024 14:59	WG2297219
Chloroform	U		0.111	5.00	1	06/03/2024 14:59	WG2297219
Chloromethane	U		0.960	2.50	1	06/03/2024 14:59	WG2297219
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 14:59	WG2297219
4-Chlorotoluene	U	J4	0.114	1.00	1	06/03/2024 14:59	WG2297219
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 14:59	WG2297219
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 14:59	WG2297219
Dibromomethane	U		0.122	1.00	1	06/03/2024 14:59	WG2297219
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 14:59	WG2297219
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 14:59	WG2297219
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 14:59	WG2297219
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 14:59	WG2297219
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 14:59	WG2297219
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 14:59	WG2297219
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 14:59	WG2297219
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 14:59	WG2297219
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 14:59	WG2297219
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 14:59	WG2297219
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 14:59	WG2297219
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 14:59	WG2297219
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 14:59	WG2297219
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 14:59	WG2297219
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 14:59	WG2297219
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 14:59	WG2297219
Ethylbenzene	U		0.137	1.00	1	06/03/2024 14:59	WG2297219
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 14:59	WG2297219
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 14:59	WG2297219
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 14:59	WG2297219
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 14:59	WG2297219
Methylene Chloride	U		0.430	5.00	1	06/03/2024 14:59	WG2297219
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 14:59	WG2297219
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 14:59	WG2297219
Naphthalene	U		1.00	5.00	1	06/03/2024 14:59	WG2297219
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 14:59	WG2297219
Styrene	U		0.118	1.00	1	06/03/2024 14:59	WG2297219
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 14:59	WG2297219
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 14:59	WG2297219
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 14:59	WG2297219
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 14:59	WG2297219
Toluene	U		0.278	1.00	1	06/03/2024 14:59	WG2297219
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 14:59	WG2297219
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 14:59	WG2297219

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 14:59	WG2297219
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 14:59	WG2297219
Trichloroethene	1.99		0.190	1.00	1	06/03/2024 14:59	WG2297219
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 14:59	WG2297219
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 14:59	WG2297219
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 14:59	WG2297219
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 14:59	WG2297219
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 14:59	WG2297219
Vinyl chloride	U		0.234	1.00	1	06/03/2024 14:59	WG2297219
Xylenes, Total	U		0.174	3.00	1	06/03/2024 14:59	WG2297219
(S) Toluene-d8	*108*			*80.0-120*		*06/03/2024 14:59*	WG2297219
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*06/03/2024 14:59*	WG2297219
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/03/2024 14:59*	WG2297219

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	U		33.0	100	1	05/31/2024 15:32	WG2295250
C22-C32 Hydrocarbons	U		33.0	100	1	05/31/2024 15:32	WG2295250
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 15:32	WG2295250
(S) o-Terphenyl	*33.3*	J2		*52.0-156*		*05/31/2024 15:32*	WG2295250

Sample Narrative:

L1740641-04 WG2295250: Surrogate failure due to matrix interference during extraction procedure.

Method Blank (MB)

(MB) R4075150-1 05/29/24 21:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075150-2 05/29/24 21:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	2.85	95.1	80.0-120	

L1740632-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740632-13 05/29/24 21:50 • (MS) R4075150-4 05/29/24 21:55 • (MSD) R4075150-5 05/29/24 21:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	1.68	1.59	56.1	53.0	1	75.0-125	J6	J6	5.62	20

Method Blank (MB)

(MB) R4075602-1 05/30/24 22:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075602-2 05/30/24 22:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	3.03	101	80.0-120	

L1740659-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740659-20 05/30/24 22:19 • (MS) R4075602-4 05/30/24 22:24 • (MSD) R4075602-5 05/30/24 22:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	180	U	151	171	83.9	94.8	60	75.0-125			12.2	20

Method Blank (MB)

(MB) R4075151-1 05/29/24 23:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075151-2 05/29/24 23:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury,Dissolved	3.00	2.87	95.8	80.0-120	

L1740636-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740636-02 05/29/24 23:06 • (MS) R4075151-4 05/29/24 23:10 • (MSD) R4075151-5 05/29/24 23:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury,Dissolved	3.00	U	1.37	1.32	45.5	44.1	1	75.0-125	J6	J6	3.15	20

Method Blank (MB)

(MB) R4075546-1 05/30/24 19:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075546-2 05/30/24 19:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury,Dissolved	3.00	2.94	98.2	80.0-120	

L1740641-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740641-04 05/30/24 19:56 • (MS) R4075546-4 05/30/24 20:00 • (MSD) R4075546-5 05/30/24 20:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury,Dissolved	3.00	U	1.93	2.09	64.4	69.6	1	75.0-125	J6	J6	7.82	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R4078423-1 06/07/24 02:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4078423-2 06/07/24 02:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	1010	101	80.0-120	
Beryllium,Dissolved	1000	1010	101	80.0-120	
Chromium,Dissolved	1000	1010	101	80.0-120	
Cobalt,Dissolved	1000	924	92.4	80.0-120	
Molybdenum,Dissolved	1000	977	97.7	80.0-120	
Vanadium,Dissolved	1000	1010	101	80.0-120	

L1740641-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740641-01 06/07/24 02:59 • (MS) R4078423-4 06/07/24 03:06 • (MSD) R4078423-5 06/07/24 03:09

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	95.9	1080	1070	98.1	97.5	1	75.0-125			0.615	20
Beryllium,Dissolved	1000	U	987	989	98.7	98.9	1	75.0-125			0.162	20
Chromium,Dissolved	1000	U	976	970	97.6	97.0	1	75.0-125			0.657	20
Cobalt,Dissolved	1000	2.81	939	939	93.6	93.6	1	75.0-125			0.0192	20
Molybdenum,Dissolved	1000	21.2	999	992	97.8	97.1	1	75.0-125			0.700	20
Vanadium,Dissolved	1000	10.3	996	986	98.6	97.6	1	75.0-125			1.05	20

Method Blank (MB)

(MB) R4097588-1 07/23/24 19:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4097588-2 07/23/24 19:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	991	99.1	80.0-120	
Beryllium,Dissolved	1000	976	97.6	80.0-120	
Chromium,Dissolved	1000	979	97.9	80.0-120	
Cobalt,Dissolved	1000	956	95.6	80.0-120	
Molybdenum,Dissolved	1000	938	93.8	80.0-120	
Vanadium,Dissolved	1000	958	95.8	80.0-120	

L1740641-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740641-02 07/23/24 19:16 • (MS) R4097588-4 07/23/24 19:20 • (MSD) R4097588-5 07/23/24 19:22

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	122	1110	1090	98.6	97.2	1	75.0-125			1.27	20
Beryllium,Dissolved	1000	U	1000	997	100	99.7	1	75.0-125			0.799	20
Chromium,Dissolved	1000	U	990	968	99.0	96.8	1	75.0-125			2.25	20
Cobalt,Dissolved	1000	3.84	1010	994	100	99.0	1	75.0-125			1.40	20
Molybdenum,Dissolved	1000	45.7	1010	989	96.0	94.4	1	75.0-125			1.62	20
Vanadium,Dissolved	1000	U	985	976	98.5	97.6	1	75.0-125			0.987	20

Method Blank (MB)

(MB) R4086714-1 06/26/24 13:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4086714-2 06/26/24 13:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	46.8	93.6	80.0-120	
Arsenic,Dissolved	50.0	51.7	103	80.0-120	
Cadmium,Dissolved	50.0	53.1	106	80.0-120	
Copper,Dissolved	50.0	50.5	101	80.0-120	
Lead,Dissolved	50.0	51.9	104	80.0-120	
Nickel,Dissolved	50.0	55.5	111	80.0-120	
Selenium,Dissolved	50.0	50.6	101	80.0-120	
Silver,Dissolved	50.0	50.9	102	80.0-120	
Thallium,Dissolved	50.0	53.0	106	80.0-120	
Zinc,Dissolved	50.0	50.7	101	80.0-120	

L1740651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740651-01 06/26/24 17:42 • (MS) R4086714-10 06/26/24 17:48 • (MSD) R4086714-11 06/26/24 17:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	52.6	54.5	105	109	1	75.0-125			3.53	20
Arsenic,Dissolved	50.0	43.9	94.7	96.5	102	105	1	75.0-125			1.82	20
Cadmium,Dissolved	50.0	U	53.5	55.0	107	110	1	75.0-125			2.73	20
Copper,Dissolved	50.0	U	52.1	53.5	104	107	1	75.0-125			2.66	20
Lead,Dissolved	50.0	U	51.2	53.5	102	107	1	75.0-125			4.40	20
Nickel,Dissolved	50.0	2.47	52.6	54.6	100	104	1	75.0-125			3.73	20
Selenium,Dissolved	50.0	36.2	90.5	90.5	109	109	1	75.0-125			0.0403	20

L1740651-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740651-01 06/26/24 17:42 • (MS) R4086714-10 06/26/24 17:48 • (MSD) R4086714-11 06/26/24 17:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0	0.0812	51.6	53.2	103	106	1	75.0-125			3.03	20
Thallium,Dissolved	50.0	U	49.2	51.1	98.4	102	1	75.0-125			3.71	20
Zinc,Dissolved	50.0	U	50.7	50.8	101	102	1	75.0-125			0.204	20

Method Blank (MB)

(MB) R4084816-1 06/21/24 12:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4084816-2 06/21/24 12:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	48.8	97.5	80.0-120	
Arsenic	50.0	50.9	102	80.0-120	
Barium	50.0	45.7	91.5	80.0-120	
Beryllium	50.0	50.3	101	80.0-120	
Cadmium	50.0	52.4	105	80.0-120	
Chromium	50.0	51.7	103	80.0-120	
Copper	50.0	50.7	101	80.0-120	
Cobalt	50.0	51.7	103	80.0-120	
Lead	50.0	50.9	102	80.0-120	
Molybdenum	50.0	47.3	94.7	80.0-120	
Nickel	50.0	51.4	103	80.0-120	
Selenium	50.0	49.7	99.4	80.0-120	
Silver	50.0	49.6	99.2	80.0-120	
Thallium	50.0	50.1	100	80.0-120	
Vanadium	50.0	50.1	100	80.0-120	
Zinc	50.0	52.0	104	80.0-120	

L1740632-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740632-08 06/21/24 12:58 • (MS) R4084816-4 06/21/24 13:05 • (MSD) R4084816-5 06/21/24 13:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	50.7	48.8	101	97.6	1	75.0-125			3.77	20
Arsenic	50.0	0.516	51.4	50.3	102	99.5	1	75.0-125			2.16	20
Barium	50.0	13.9	59.8	61.2	91.7	94.6	1	75.0-125			2.40	20
Beryllium	50.0	U	49.6	50.2	99.1	100	1	75.0-125			1.36	20
Cadmium	50.0	0.313	53.7	54.2	107	108	1	75.0-125			1.10	20
Chromium	50.0	U	52.2	49.7	104	99.4	1	75.0-125			4.90	20
Copper	50.0	U	50.7	52.5	101	105	1	75.0-125			3.44	20
Cobalt	50.0	0.790	53.1	51.2	105	101	1	75.0-125			3.65	20
Lead	50.0	U	50.7	51.2	101	102	1	75.0-125			0.998	20
Molybdenum	50.0	U	47.0	46.7	94.0	93.5	1	75.0-125			0.613	20
Nickel	50.0	15.7	67.3	65.1	103	98.9	1	75.0-125			3.32	20
Selenium	50.0	U	48.2	50.5	96.3	101	1	75.0-125			4.73	20
Silver	50.0	U	50.8	50.2	102	100	1	75.0-125			1.20	20
Thallium	50.0	U	50.0	50.4	100	101	1	75.0-125			0.880	20
Vanadium	50.0	U	49.5	48.1	99.1	96.2	1	75.0-125			2.98	20
Zinc	50.0	105	154	143	97.1	75.8	1	75.0-125			7.19	20

Method Blank (MB)

(MB) R4086928-1 06/26/24 17:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	0.127	J	0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4086928-2 06/26/24 17:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	45.3	90.7	80.0-120	
Arsenic	50.0	48.5	97.1	80.0-120	
Barium	50.0	45.2	90.4	80.0-120	
Beryllium	50.0	48.4	96.7	80.0-120	
Cadmium	50.0	48.3	96.7	80.0-120	
Chromium	50.0	49.0	98.0	80.0-120	
Copper	50.0	47.3	94.6	80.0-120	
Cobalt	50.0	50.4	101	80.0-120	
Lead	50.0	48.5	97.0	80.0-120	
Molybdenum	50.0	45.0	90.0	80.0-120	
Nickel	50.0	50.9	102	80.0-120	
Selenium	50.0	46.3	92.6	80.0-120	
Silver	50.0	47.8	95.6	80.0-120	
Thallium	50.0	48.0	96.0	80.0-120	
Vanadium	50.0	48.4	96.9	80.0-120	
Zinc	50.0	47.7	95.3	80.0-120	

L1740742-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740742-01 06/26/24 18:00 • (MS) R4086928-4 06/26/24 18:06 • (MSD) R4086928-5 06/26/24 18:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	49.6	48.6	99.2	97.1	1	75.0-125			2.07	20
Arsenic	50.0	2.89	52.7	51.9	99.6	98.1	1	75.0-125			1.47	20
Barium	50.0	23.4	71.5	69.0	96.2	91.3	1	75.0-125			3.48	20
Beryllium	50.0	U	45.4	47.4	90.7	94.8	1	75.0-125			4.40	20
Cadmium	50.0	0.662	50.8	49.1	100	96.9	1	75.0-125			3.35	20
Chromium	50.0		50.2	49.4	100	98.7	1	75.0-125			1.61	20
Copper	50.0		50.8	51.4	90.7	92.0	1	75.0-125			1.27	20
Cobalt	50.0	0.289	48.6	48.1	96.6	95.6	1	75.0-125			1.03	20
Lead	50.0		50.2	48.8	100	97.6	1	75.0-125			2.74	20
Molybdenum	50.0		57.2	56.6	99.2	98.1	1	75.0-125			0.917	20
Nickel	50.0	6.84	56.0	55.5	98.2	97.3	1	75.0-125			0.833	20
Selenium	50.0	0.796	50.2	48.7	98.8	95.9	1	75.0-125			2.96	20
Silver	50.0	U	49.6	48.4	99.2	96.9	1	75.0-125			2.41	20
Thallium	50.0	U	48.2	47.9	96.4	95.8	1	75.0-125			0.593	20
Vanadium	50.0	1.30	51.2	49.2	99.7	95.7	1	75.0-125			4.00	20
Zinc	50.0	39.1	84.5	84.1	90.9	90.0	1	75.0-125			0.547	20

Method Blank (MB)

(MB) R4077206-2 06/01/24 21:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	U		30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4077206-1 06/01/24 20:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	5700	114	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

Method Blank (MB)

(MB) R4077308-2 06/02/24 13:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	86.6	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4077308-1 06/02/24 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	4690	93.8	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*110*	*78.0-120*	

Method Blank (MB)

(MB) R4078198-3 06/03/24 08:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4078198-3 06/03/24 08:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	34.4	38.2	138	153	19.0-160	J	J	10.5	27
Acrolein	25.0	14.7	17.4	58.8	69.6	10.0-160	J	J	16.8	26
Acrylonitrile	25.0	26.4	30.5	106	122	55.0-149			14.4	20
Benzene	5.00	4.91	5.74	98.2	115	70.0-123			15.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	5.54	6.19	111	124	73.0-121		J4	11.1	20
Bromodichloromethane	5.00	4.62	5.28	92.4	106	75.0-120			13.3	20
Bromoform	5.00	4.29	5.03	85.8	101	68.0-132			15.9	20
Bromomethane	5.00	6.25	7.09	125	142	10.0-160			12.6	25
n-Butylbenzene	5.00	4.46	4.98	89.2	99.6	73.0-125			11.0	20
sec-Butylbenzene	5.00	5.40	5.97	108	119	75.0-125			10.0	20
tert-Butylbenzene	5.00	4.95	5.69	99.0	114	76.0-124			13.9	20
Carbon tetrachloride	5.00	4.28	4.71	85.6	94.2	68.0-126			9.57	20
Chlorobenzene	5.00	4.72	5.45	94.4	109	80.0-121			14.4	20
Chlorodibromomethane	5.00	4.19	4.92	83.8	98.4	77.0-125			16.0	20
Chloroethane	5.00	5.33	6.00	107	120	47.0-150			11.8	20
Chloroform	5.00	4.77	5.56	95.4	111	73.0-120	J		15.3	20
Chloromethane	5.00	5.04	5.89	101	118	41.0-142			15.6	20
2-Chlorotoluene	5.00	5.32	6.15	106	123	76.0-123			14.5	20
4-Chlorotoluene	5.00	5.30	6.15	106	123	75.0-122		J4	14.8	20
1,2-Dibromo-3-Chloropropane	5.00	3.86	4.33	77.2	86.6	58.0-134	J	J	11.5	20
1,2-Dibromoethane	5.00	4.64	5.54	92.8	111	80.0-122			17.7	20
Dibromomethane	5.00	4.50	5.18	90.0	104	80.0-120			14.0	20
1,2-Dichlorobenzene	5.00	5.14	5.80	103	116	79.0-121			12.1	20
1,3-Dichlorobenzene	5.00	5.18	5.84	104	117	79.0-120			12.0	20
1,4-Dichlorobenzene	5.00	5.12	5.90	102	118	79.0-120			14.2	20
Dichlorodifluoromethane	5.00	5.41	5.77	108	115	51.0-149			6.44	20
1,1-Dichloroethane	5.00	5.00	5.77	100	115	70.0-126			14.3	20
1,2-Dichloroethane	5.00	5.16	5.80	103	116	70.0-128			11.7	20
1,1-Dichloroethene	5.00	4.42	4.83	88.4	96.6	71.0-124			8.86	20
cis-1,2-Dichloroethene	5.00	4.42	5.18	88.4	104	73.0-120			15.8	20
trans-1,2-Dichloroethene	5.00	4.57	5.30	91.4	106	73.0-120			14.8	20
1,2-Dichloropropane	5.00	4.70	5.42	94.0	108	77.0-125			14.2	20
1,1-Dichloropropene	5.00	4.75	5.27	95.0	105	74.0-126			10.4	20
1,3-Dichloropropane	5.00	5.03	5.96	101	119	80.0-120			16.9	20
cis-1,3-Dichloropropene	5.00	4.34	5.06	86.8	101	80.0-123			15.3	20
trans-1,3-Dichloropropene	5.00	4.42	5.25	88.4	105	78.0-124			17.2	20
2,2-Dichloropropane	5.00	4.01	4.47	80.2	89.4	58.0-130			10.8	20
Di-isopropyl ether	5.00	4.83	5.66	96.6	113	58.0-138			15.8	20
Ethylbenzene	5.00	4.79	5.44	95.8	109	79.0-123			12.7	20
Hexachloro-1,3-butadiene	5.00	5.13	5.57	103	111	54.0-138			8.22	20
Isopropylbenzene	5.00	4.74	5.37	94.8	107	76.0-127			12.5	20
p-Isopropyltoluene	5.00	4.90	5.42	98.0	108	76.0-125			10.1	20
2-Butanone (MEK)	25.0	27.5	31.8	110	127	44.0-160			14.5	20
Methylene Chloride	5.00	4.76	5.46	95.2	109	67.0-120	J		13.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078198-1 06/03/24 07:29 • (LCSD) R4078198-2 06/03/24 07:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	24.5	28.6	98.0	114	68.0-142			15.4	20
Methyl tert-butyl ether	5.00	4.49	5.30	89.8	106	68.0-125			16.5	20
Naphthalene	5.00	3.92	4.24	78.4	84.8	54.0-135	J	J	7.84	20
n-Propylbenzene	5.00	5.42	6.01	108	120	77.0-124			10.3	20
Styrene	5.00	4.46	5.27	89.2	105	73.0-130			16.6	20
1,1,1,2-Tetrachloroethane	5.00	4.57	4.98	91.4	99.6	75.0-125			8.59	20
1,1,2,2-Tetrachloroethane	5.00	5.00	5.85	100	117	65.0-130			15.7	20
1,1,2-Trichlorotrifluoroethane	5.00	4.97	5.07	99.4	101	69.0-132			1.99	20
Tetrachloroethene	5.00	4.99	5.61	99.8	112	72.0-132			11.7	20
Toluene	5.00	4.96	5.69	99.2	114	79.0-120			13.7	20
1,2,3-Trichlorobenzene	5.00	4.43	4.75	88.6	95.0	50.0-138			6.97	20
1,2,4-Trichlorobenzene	5.00	4.67	5.02	93.4	100	57.0-137			7.22	20
1,1,1-Trichloroethane	5.00	4.57	5.13	91.4	103	73.0-124			11.5	20
1,1,2-Trichloroethane	5.00	4.95	5.71	99.0	114	80.0-120			14.3	20
Trichloroethene	5.00	4.64	5.14	92.8	103	78.0-124			10.2	20
Trichlorofluoromethane	5.00	4.72	4.91	94.4	98.2	59.0-147	J	J	3.95	20
1,2,3-Trichloropropane	5.00	5.33	5.81	107	116	73.0-130			8.62	20
1,2,4-Trimethylbenzene	5.00	5.17	5.82	103	116	76.0-121			11.8	20
1,2,3-Trimethylbenzene	5.00	5.14	5.80	103	116	77.0-120			12.1	20
1,3,5-Trimethylbenzene	5.00	5.29	5.82	106	116	76.0-122			9.54	20
Vinyl chloride	5.00	5.32	5.70	106	114	67.0-131			6.90	20
Xylenes, Total	15.0	14.2	16.2	94.7	108	79.0-123			13.2	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4078575-3 06/06/24 22:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1-Dichloroethene	U		0.188	1.00
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078575-1 06/06/24 19:18 • (LCSD) R4078575-2 06/06/24 19:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	5.00	5.26	5.93	105	119	71.0-124			12.0	20
(S) Toluene-d8				*102*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.9*	*99.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R4075758-1 05/31/24 07:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	34.9	J	33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*58.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075758-2 05/31/24 08:10 • (LCSD) R4075758-3 05/31/24 08:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	829	966	111	129	50.0-150			15.3	20
C22-C32 Hydrocarbons	750	734	870	97.9	116	50.0-150			17.0	20
(S) o-Terphenyl				*73.0*	*77.5*	*52.0-156*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # AB&I

Lab Project # **ROUXOCA-CA**

Collected by (print): D. Bailey

Site/Facility ID # –

P.O. # –

Collected by (signature):

Immediately Packed on Ice N___ Y___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___✓ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote # –

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740641

Table H224

Acctnum: **ROUXOCA**
Template: **T253289**
Prelogin: **P1076384**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6010CAM17 250mlHDPE-HNO3	M6010DCAM17 (FF) 250mlHDPE-HNO3	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
GW-3-1	Grab	GW	~8	05/24/24	0832	9	X	X	X	X	X		-01
GW-3-2	↓	GW	~8.28	↓	1012	9	X	X	X	X	X		-02
GW-6-1		GW	~4.89		1312	9	X	X	X	X	X		-03
GW-6-2		GW	~5.02		1202	9	X	X	X	X	X		-04
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		
		GW				9	X	X	X	X	X		

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/24/24	1609	Pace		
Relinquished by : (Signature) Pace	Date: 5/24/24	Time: 1630	Received by: (Signature) SWA Cargo	Temp: 6.0 °C 2.3+0.1=2.4 Bottles Received: 36	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kristen Organ	Date: 5/25/24 Time: 1200	Hold: Condition: NCF / OK

CI 740641

Tracking Numbers	Temperature
SW	2.3 +0.1 = 2.4 EDA6
SW	1.8 +0.1 = 1.9 EDA6
SW	1.3 +0.1 = 1.4 EDA6

Emston Orgon
Name

5/25/24
Date

ANALYTICAL REPORT

October 01, 2024

Revised Report

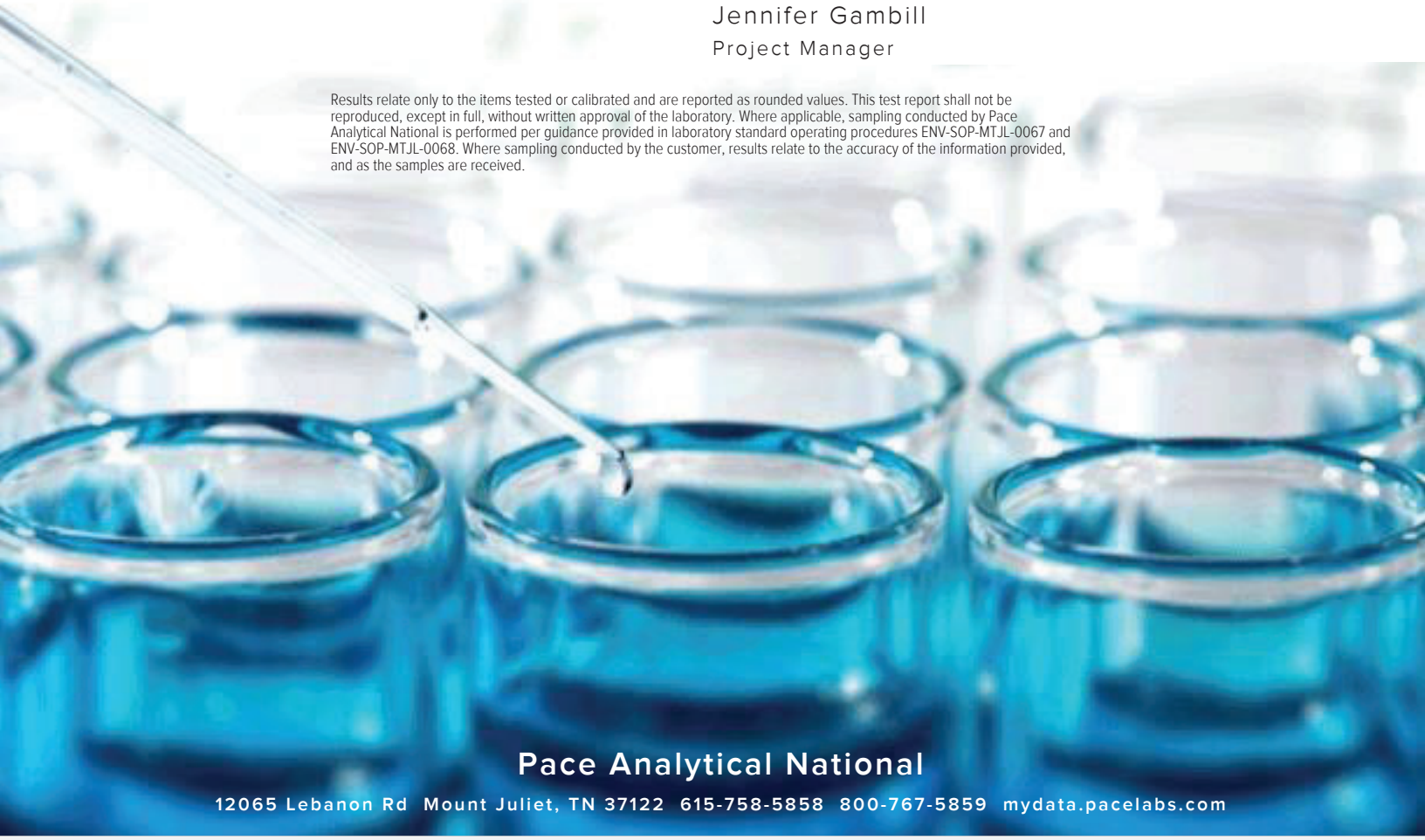
Roux - Oakland, CA

Sample Delivery Group:	L1740668
Samples Received:	05/25/2024
Project Number:	
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

G-D2-1-1.0 L1740668-01 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 12:10 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 15:40	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:13	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297369	1	06/03/24 10:10	06/03/24 17:18	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299525	2	06/06/24 06:42	06/06/24 18:34	DSH	Mt. Juliet, TN

G-D2-1-2.0 L1740668-02 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 12:25 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 15:43	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:15	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 12:25	06/02/24 18:30	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299525	10	06/06/24 06:42	06/06/24 20:39	JRM	Mt. Juliet, TN

G-D2-1-3.0 L1740668-03 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 12:35 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 15:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:16	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 12:35	05/31/24 18:12	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 12:35	06/02/24 18:49	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	5	06/04/24 06:32	06/04/24 19:21	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299525	2	06/06/24 06:42	06/06/24 17:53	DSH	Mt. Juliet, TN

G-D2-1-5.0 L1740668-05 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 12:55 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 12:55	05/31/24 18:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 12:55	06/02/24 19:09	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	1	06/04/24 06:32	06/04/24 17:57	KDB	Mt. Juliet, TN

P-11-12.5 L1740668-06 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 09:15 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 09:15	05/31/24 19:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 09:15	06/02/24 19:29	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	1	06/04/24 06:32	06/04/24 16:47	KDB	Mt. Juliet, TN

SVP-53-S-4.0 L1740668-07 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 10:15 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 10:15	05/31/24 19:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 10:15	06/02/24 19:49	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297492	2	05/24/24 10:15	06/04/24 03:07	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	50	06/04/24 06:32	06/04/24 21:12	KDB	Mt. Juliet, TN

SVP-57-S-6.0 L1740668-08 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 11:46 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	28.7	05/24/24 11:46	05/31/24 19:49	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	11.5	05/24/24 11:46	06/02/24 20:09	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	100	06/04/24 06:32	06/04/24 20:58	KDB	Mt. Juliet, TN

TB-052424 L1740668-09 GW

Collected by: JA, DB | Collected date/time: 05/24/24 12:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298107	1	06/05/24 10:22	06/05/24 10:22	JAH	Mt. Juliet, TN

EB-052424 L1740668-10 GW

Collected by: JA, DB | Collected date/time: 05/24/24 12:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2293966	1	06/02/24 14:49	06/03/24 10:19	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2298963	1	06/06/24 04:18	06/26/24 18:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297105	1	06/02/24 14:57	06/02/24 14:57	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298107	1	06/05/24 11:05	06/05/24 11:05	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 15:52	MAA	Mt. Juliet, TN

G-D1-1-1.0 L1740668-11 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 10:30 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 15:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:22	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25	05/24/24 10:30	06/07/24 07:49	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297369	1	06/03/24 10:10	06/03/24 17:36	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	20	06/06/24 06:05	06/07/24 03:37	DSH	Mt. Juliet, TN

G-D1-1-2.0 L1740668-12 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 10:35 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295630	1	05/30/24 17:22	05/30/24 17:33	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 15:50	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:23	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25	05/24/24 10:35	06/07/24 08:13	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 10:35	06/02/24 20:28	JAH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-D1-1-2.0 L1740668-12 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 10:35 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2301229	100	06/07/24 15:27	06/08/24 11:21	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	10	06/06/24 06:05	06/07/24 02:37	DSH	Mt. Juliet, TN

G-D1-1-3.0 L1740668-13 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 10:55 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:16	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:25	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 10:55	05/31/24 20:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	8	05/24/24 10:55	06/03/24 00:14	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	10	06/04/24 06:32	06/04/24 20:02	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	10	06/06/24 06:05	06/06/24 19:03	JRM	Mt. Juliet, TN

G-D1-1-4.0 L1740668-14 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 11:05 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300491	1	06/07/24 12:32	06/07/24 12:45	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300843	25	05/24/24 11:05	06/07/24 18:58	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2301229	10	06/07/24 15:27	06/08/24 10:54	JAS	Mt. Juliet, TN

G-D1-1-5.0 L1740668-15 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 11:15 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 11:15	05/31/24 20:27	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 11:15	06/02/24 21:25	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	20	06/04/24 06:32	06/04/24 20:30	KDB	Mt. Juliet, TN

BS-D1-1-1.0 L1740668-16 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 08:50 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:27	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 18:04	LJD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/04/24 13:36	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	10	06/06/24 06:05	06/07/24 02:57	DSH	Mt. Juliet, TN

BS-D1-1-2.0 L1740668-17 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 09:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:24	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:28	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 09:00	06/02/24 22:16	JAH	Mt. Juliet, TN

BS-D1-1-2.0 L1740668-17 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 09:00 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG2304133	1	06/13/24 09:21	06/13/24 21:47	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	2	06/06/24 06:05	06/07/24 02:17	DSH	Mt. Juliet, TN

BS-D1-1-3.0 L1740668-18 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 09:15 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:27	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:30	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 09:15	05/31/24 20:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 09:15	06/02/24 22:35	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	20	06/04/24 06:32	06/04/24 23:03	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299526	10	06/06/24 06:05	06/07/24 03:17	DSH	Mt. Juliet, TN

BS-D1-1-5.0 L1740668-20 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 09:40 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 09:40	05/31/24 21:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 09:40	06/02/24 22:55	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2297499	1	06/04/24 06:32	06/04/24 18:11	KDB	Mt. Juliet, TN

G-D3-1-1.0 L1740668-21 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 14:38 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:29	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:32	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 18:13	LJD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/04/24 13:44	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 11:28	DSH	Mt. Juliet, TN

G-D3-1-2.0 L1740668-22 Solid

Collected by: JA, DB | Collected date/time: 05/24/24 14:44 | Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295888	1	05/31/24 07:30	05/31/24 07:38	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:31	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:34	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 14:44	06/02/24 23:15	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	1	06/14/24 01:34	06/14/24 21:24	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 12:42	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

G-D3-1-3.0 L1740668-23 Solid

Collected by: JA, DB
Collected date/time: 05/24/24 14:50
Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295890	1	05/31/24 07:57	05/31/24 08:04	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295950	1	05/30/24 22:04	05/31/24 16:39	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2298288	1	06/11/24 09:41	06/11/24 15:35	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	25	05/24/24 14:50	05/31/24 21:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1	05/24/24 14:50	06/02/24 23:34	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	1	06/04/24 16:42	06/05/24 00:16	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 12:17	DSH	Mt. Juliet, TN

G-D3-1-5.0 L1740668-25 Solid

Collected by: JA, DB
Collected date/time: 05/24/24 15:00
Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2295890	1	05/31/24 07:57	05/31/24 08:04	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2296426	33	05/24/24 15:00	05/31/24 21:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297144	1.32	05/24/24 15:00	06/02/24 23:54	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	20	06/04/24 16:42	06/05/24 02:41	JAS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/24 18:18
Level II Report - Version 2: 08/15/24 20:06

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G-D2-1-1.0	L1740668-01	Mercury	0.151		0.0208	0.0463	1	05/31/2024 15:40	WG2295950
G-D2-1-2.0	L1740668-02	Mercury	0.197		0.0215	0.0479	1	05/31/2024 15:43	WG2295950
G-D2-1-3.0	L1740668-03	Mercury	0.0559		0.0198	0.0441	1	05/31/2024 15:45	WG2295950
G-D1-1-1.0	L1740668-11	Mercury	0.126		0.0197	0.0437	1	05/31/2024 15:48	WG2295950
G-D1-1-2.0	L1740668-12	Mercury	0.0899		0.0200	0.0444	1	05/31/2024 15:50	WG2295950
G-D1-1-3.0	L1740668-13	Mercury	0.173		0.0215	0.0479	1	05/31/2024 16:16	WG2295950
BS-D1-1-1.0	L1740668-16	Mercury	0.101		0.0199	0.0442	1	05/31/2024 16:19	WG2295950
BS-D1-1-2.0	L1740668-17	Mercury	0.136		0.0198	0.0440	1	05/31/2024 16:24	WG2295950
BS-D1-1-3.0	L1740668-18	Mercury	0.0771		0.0198	0.0440	1	05/31/2024 16:27	WG2295950
G-D3-1-1.0	L1740668-21	Mercury	0.0460	J	0.0212	0.0472	1	05/31/2024 16:29	WG2295950
G-D3-1-2.0	L1740668-22	Mercury	0.0830		0.0219	0.0487	1	05/31/2024 16:31	WG2295950
G-D3-1-3.0	L1740668-23	Mercury	0.0835		0.0221	0.0492	1	05/31/2024 16:39	WG2295950

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G-D2-1-1.0	L1740668-01	Antimony	2.40		0.630	2.31	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Arsenic	6.51		0.599	2.31	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Barium	133		0.0986	0.579	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Beryllium	0.233		0.0365	0.231	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Cadmium	0.464	J	0.0545	0.579	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Chromium	17.8		0.154	1.16	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Cobalt	5.73		0.0938	1.16	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Copper	35.6		0.463	2.31	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Lead	85.5		0.241	0.579	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Molybdenum	1.55		0.126	0.579	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Nickel	20.1		0.153	2.31	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Silver	0.219	J	0.147	1.16	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Vanadium	21.3		0.586	2.31	1	06/11/2024 15:13	WG2298288
G-D2-1-1.0	L1740668-01	Zinc	113		0.963	5.79	1	06/11/2024 15:13	WG2298288
G-D2-1-2.0	L1740668-02	Antimony	2.29	J	0.651	2.39	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Arsenic	9.38		0.620	2.39	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Barium	205		0.102	0.599	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Beryllium	0.320		0.0377	0.239	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Cadmium	0.697		0.0564	0.599	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Chromium	28.0		0.159	1.20	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Cobalt	8.90		0.0971	1.20	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Copper	114		0.479	2.39	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Lead	164		0.249	0.599	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Molybdenum	1.54		0.130	0.599	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Nickel	37.4		0.158	2.39	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Silver	0.373	J	0.152	1.20	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Vanadium	35.8		0.606	2.39	1	06/11/2024 15:15	WG2298288
G-D2-1-2.0	L1740668-02	Zinc	186		0.996	5.99	1	06/11/2024 15:15	WG2298288

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D2-1-3.0	L1740668-03	Antimony	2.42		0.599	2.20	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Arsenic	5.69		0.571	2.20	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Barium	129		0.0939	0.551	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Beryllium	0.557		0.0347	0.220	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Cadmium	0.344	J	0.0519	0.551	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Chromium	31.4		0.147	1.10	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Cobalt	9.47		0.0893	1.10	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Copper	35.9		0.441	2.20	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Lead	37.4		0.229	0.551	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Molybdenum	0.657		0.120	0.551	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Nickel	46.0		0.145	2.20	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Silver	0.428	J	0.140	1.10	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Vanadium	27.4		0.557	2.20	1	06/11/2024 15:16	WG2298288
G-D2-1-3.0	L1740668-03	Zinc	78.1		0.917	5.51	1	06/11/2024 15:16	WG2298288
G-D1-1-1.0	L1740668-11	Antimony	2.62		0.594	2.18	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Arsenic	4.66		0.566	2.18	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Barium	105		0.0930	0.546	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Beryllium	0.120	J	0.0344	0.218	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Cadmium	0.360	J	0.0514	0.546	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Chromium	21.6		0.145	1.09	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Cobalt	7.88		0.0886	1.09	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Copper	36.4		0.437	2.18	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Lead	110		0.227	0.546	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Molybdenum	0.484	J	0.119	0.546	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Nickel	28.2		0.144	2.18	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Silver	0.829	J	0.139	1.09	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Vanadium	24.6		0.553	2.18	1	06/11/2024 15:22	WG2298288
G-D1-1-1.0	L1740668-11	Zinc	90.0		0.909	5.46	1	06/11/2024 15:22	WG2298288
G-D1-1-2.0	L1740668-12	Antimony	1.68	J	0.604	2.22	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Arsenic	5.43		0.576	2.22	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Barium	159		0.0947	0.556	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Beryllium	0.264		0.0350	0.222	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Cadmium	0.539	J	0.0523	0.556	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Chromium	26.8		0.148	1.11	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Cobalt	9.95		0.0901	1.11	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Copper	53.6		0.444	2.22	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Lead	141		0.231	0.556	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Molybdenum	0.431	J	0.121	0.556	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Nickel	31.1		0.147	2.22	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Silver	0.654	J	0.141	1.11	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Vanadium	33.1		0.562	2.22	1	06/11/2024 15:23	WG2298288
G-D1-1-2.0	L1740668-12	Zinc	141		0.924	5.56	1	06/11/2024 15:23	WG2298288
G-D1-1-3.0	L1740668-13	Antimony	3.15		0.651	2.39	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Arsenic	8.83		0.620	2.39	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Barium	183		0.102	0.598	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Beryllium	0.318		0.0377	0.239	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Cadmium	0.617		0.0564	0.598	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Chromium	31.3		0.159	1.20	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Cobalt	10.8		0.0971	1.20	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Copper	64.7		0.479	2.39	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Lead	103		0.249	0.598	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Molybdenum	0.931		0.130	0.598	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Nickel	44.1		0.158	2.39	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Silver	0.357	J	0.152	1.20	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Vanadium	40.0		0.606	2.39	1	06/11/2024 15:25	WG2298288
G-D1-1-3.0	L1740668-13	Zinc	156		0.996	5.98	1	06/11/2024 15:25	WG2298288

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-D1-1-1.0	L1740668-16	Antimony	1.68	J	0.602	2.21	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Arsenic	3.25		0.573	2.21	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Barium	140		0.0942	0.553	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Beryllium	0.145	J	0.0348	0.221	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Cadmium	0.681		0.0521	0.553	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Chromium	29.3		0.147	1.11	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Cobalt	12.3		0.0897	1.11	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Copper	64.5		0.442	2.21	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Lead	200		0.230	0.553	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Molybdenum	0.549	J	0.121	0.553	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Nickel	38.5		0.146	2.21	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Silver	0.492	J	0.140	1.11	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Vanadium	30.7		0.560	2.21	1	06/11/2024 15:27	WG2298288
BS-D1-1-1.0	L1740668-16	Zinc	176		0.920	5.53	1	06/11/2024 15:27	WG2298288
BS-D1-1-2.0	L1740668-17	Antimony	2.32		0.598	2.20	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Arsenic	3.87		0.570	2.20	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Barium	233		0.0937	0.550	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Beryllium	0.244		0.0346	0.220	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Cadmium	0.427	J	0.0518	0.550	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Chromium	24.2		0.146	1.10	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Cobalt	10.0		0.0892	1.10	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Copper	121		0.440	2.20	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Lead	178		0.229	0.550	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Molybdenum	0.509	J	0.120	0.550	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Nickel	23.1		0.145	2.20	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Silver	0.389	J	0.140	1.10	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Vanadium	29.8		0.556	2.20	1	06/11/2024 15:28	WG2298288
BS-D1-1-2.0	L1740668-17	Zinc	173		0.915	5.50	1	06/11/2024 15:28	WG2298288
BS-D1-1-3.0	L1740668-18	Antimony	3.74		0.599	2.20	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Arsenic	4.70		0.570	2.20	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Barium	131		0.0937	0.550	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Beryllium	0.215	J	0.0347	0.220	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Cadmium	0.174	J	0.0518	0.550	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Chromium	15.7		0.146	1.10	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Cobalt	11.7		0.0892	1.10	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Copper	34.9		0.440	2.20	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Lead	33.8		0.229	0.550	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Molybdenum	0.732		0.120	0.550	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Nickel	22.1		0.145	2.20	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Silver	0.179	J	0.140	1.10	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Vanadium	42.4		0.557	2.20	1	06/11/2024 15:30	WG2298288
BS-D1-1-3.0	L1740668-18	Zinc	83.4		0.915	5.50	1	06/11/2024 15:30	WG2298288
G-D3-1-1.0	L1740668-21	Antimony	4.16		0.642	2.36	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Arsenic	5.57		0.611	2.36	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Barium	165		0.101	0.590	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Beryllium	0.199	J	0.0372	0.236	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Cadmium	0.133	J	0.0556	0.590	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Chromium	31.5		0.157	1.18	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Cobalt	13.5		0.0957	1.18	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Copper	32.9		0.472	2.36	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Lead	7.60		0.246	0.590	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Molybdenum	0.563	J	0.129	0.590	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Nickel	39.4		0.156	2.36	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Silver	3.02		0.150	1.18	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Vanadium	53.5		0.597	2.36	1	06/11/2024 15:32	WG2298288
G-D3-1-1.0	L1740668-21	Zinc	41.0		0.982	5.90	1	06/11/2024 15:32	WG2298288

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D3-1-2.0	L1740668-22	Antimony	2.40	J	0.662	2.43	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Arsenic	13.9		0.630	2.43	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Barium	337		0.104	0.608	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Beryllium	0.432		0.0383	0.243	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Cadmium	0.708		0.0573	0.608	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Chromium	26.2		0.162	1.22	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Cobalt	9.38		0.0987	1.22	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Copper	32.3		0.487	2.43	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Lead	35.2		0.253	0.608	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Molybdenum	0.347	J	0.133	0.608	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Nickel	38.3		0.161	2.43	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Silver	0.217	J	0.155	1.22	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Vanadium	34.1		0.616	2.43	1	06/11/2024 15:34	WG2298288
G-D3-1-2.0	L1740668-22	Zinc	77.8		1.01	6.08	1	06/11/2024 15:34	WG2298288
G-D3-1-3.0	L1740668-23	Antimony	3.48		0.669	2.46	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Arsenic	19.5		0.637	2.46	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Barium	659		0.105	0.615	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Beryllium	0.464		0.0387	0.246	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Cadmium	2.08		0.0579	0.615	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Chromium	30.1		0.164	1.23	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Cobalt	12.7		0.0997	1.23	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Copper	57.6		0.492	2.46	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Lead	52.6		0.256	0.615	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Molybdenum	0.494	J	0.134	0.615	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Nickel	45.5		0.162	2.46	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Silver	0.261	J	0.156	1.23	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Vanadium	44.1		0.622	2.46	1	06/11/2024 15:35	WG2298288
G-D3-1-3.0	L1740668-23	Zinc	91.6		1.02	6.15	1	06/11/2024 15:35	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052424	L1740668-10	TPHG C5 - C12	64.4	B J	30.4	100	1	06/02/2024 14:57	WG2297105

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D2-1-3.0	L1740668-03	TPHG C5 - C12	12.7		1.00	3.02	25	05/31/2024 18:12	WG2296426
G-D2-1-5.0	L1740668-05	TPHG C5 - C12	2.03	B J	1.04	3.13	25	05/31/2024 18:31	WG2296426
P-11-12.5	L1740668-06	TPHG C5 - C12	1.80	B J	1.13	3.40	25	05/31/2024 19:10	WG2296426
SVP-53-S-4.0	L1740668-07	TPHG C5 - C12	4.42	B	1.35	4.08	25	05/31/2024 19:29	WG2296426
SVP-57-S-6.0	L1740668-08	TPHG C5 - C12	97.2		1.46	4.40	28.7	05/31/2024 19:49	WG2296426
G-D1-1-1.0	L1740668-11	TPHG C5 - C12	1.36	J	0.985	2.97	25	06/07/2024 07:49	WG2300368
G-D1-1-2.0	L1740668-12	TPHG C5 - C12	1.52	J	1.02	3.06	25	06/07/2024 08:13	WG2300368
G-D1-1-3.0	L1740668-13	TPHG C5 - C12	13.1		1.18	3.54	25	05/31/2024 20:08	WG2296426
G-D1-1-4.0	L1740668-14	TPHG C5 - C12	6.68		1.19	3.58	25	06/07/2024 18:58	WG2300843
G-D1-1-5.0	L1740668-15	TPHG C5 - C12	5.42	B	1.13	3.41	25	05/31/2024 20:27	WG2296426
BS-D1-1-3.0	L1740668-18	TPHG C5 - C12	2.52	B J	0.997	3.00	25	05/31/2024 20:47	WG2296426
BS-D1-1-5.0	L1740668-20	TPHG C5 - C12	2.21	B J	1.29	3.90	25	05/31/2024 21:06	WG2296426
G-D3-1-3.0	L1740668-23	TPHG C5 - C12	2.24	B J	1.22	3.67	25	05/31/2024 21:26	WG2296426
G-D3-1-5.0	L1740668-25	TPHG C5 - C12	9.78		1.52	4.57	33	05/31/2024 21:45	WG2296426

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TB-052424	L1740668-09	Acetone	13.5	J	11.3	50.0	1	06/05/2024 10:22	WG2298107
TB-052424	L1740668-09	Methylene Chloride	0.509	J	0.430	5.00	1	06/05/2024 10:22	WG2298107

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D2-1-2.0	L1740668-02	Benzene	0.00815		0.000661	0.00142	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	n-Butylbenzene	0.0239		0.00743	0.0177	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	sec-Butylbenzene	0.0181		0.00408	0.0177	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	tert-Butylbenzene	0.00525	J	0.00276	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	1,4-Dichlorobenzene	0.00194	J	0.000991	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	Ethylbenzene	0.0204		0.00104	0.00354	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	Isopropylbenzene	0.00453		0.000602	0.00354	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	p-Isopropyltoluene	0.0163		0.00361	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	Naphthalene	0.485		0.00691	0.0177	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	n-Propylbenzene	0.0117		0.00134	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	Toluene	0.0333		0.00184	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	1,2,4-Trimethylbenzene	0.0354		0.00224	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	1,2,3-Trimethylbenzene	0.0477		0.00224	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	1,3,5-Trimethylbenzene	0.00943		0.00283	0.00708	1	06/02/2024 18:30	WG2297144
G-D2-1-2.0	L1740668-02	Xylenes, Total	0.0638		0.00125	0.00920	1	06/02/2024 18:30	WG2297144
G-D2-1-3.0	L1740668-03	Benzene	0.00381		0.000565	0.00121	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	1,4-Dichlorobenzene	0.00108	J	0.000847	0.00605	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	Ethylbenzene	0.00773		0.000892	0.00302	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	Isopropylbenzene	0.00131	J	0.000514	0.00302	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	Naphthalene	0.0288		0.00590	0.0151	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	n-Propylbenzene	0.00520	J	0.00115	0.00605	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	Toluene	0.00947		0.00157	0.00605	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	1,2,4-Trimethylbenzene	0.00350	J	0.00191	0.00605	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	1,2,3-Trimethylbenzene	0.00333	J	0.00191	0.00605	1	06/02/2024 18:49	WG2297144
G-D2-1-3.0	L1740668-03	Xylenes, Total	0.00762	J	0.00106	0.00786	1	06/02/2024 18:49	WG2297144
G-D2-1-5.0	L1740668-05	Xylenes, Total	0.00203	J	0.00110	0.00814	1	06/02/2024 19:09	WG2297144
SVP-53-S-4.0	L1740668-07	Benzene	0.00151	J	0.000762	0.00163	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	1,1-Dichloroethane	0.000992	J	0.000801	0.00408	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	Ethylbenzene	0.00320	J	0.00120	0.00408	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	Isopropylbenzene	0.00132	J	0.000694	0.00408	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	Naphthalene	0.299		0.0163	0.0418	2	06/04/2024 03:07	WG2297492
SVP-53-S-4.0	L1740668-07	n-Propylbenzene	0.00188	J	0.00155	0.00816	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	Toluene	0.00796	J	0.00212	0.00816	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	1,2,4-Trimethylbenzene	0.00591	J	0.00258	0.00816	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	1,2,3-Trimethylbenzene	0.00432	J	0.00258	0.00816	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	1,3,5-Trimethylbenzene	0.00470	J	0.00326	0.00816	1	06/02/2024 19:49	WG2297144
SVP-53-S-4.0	L1740668-07	Xylenes, Total	0.00948	J	0.00144	0.0106	1	06/02/2024 19:49	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-57-S-6.0	L1740668-08	Benzene	0.0366		0.00823	0.0176	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	n-Butylbenzene	0.454		0.0926	0.221	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	sec-Butylbenzene	0.228		0.0507	0.221	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	tert-Butylbenzene	0.0388	J	0.0343	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	Ethylbenzene	0.207		0.0130	0.0441	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	Isopropylbenzene	0.139		0.00749	0.0441	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	p-Isopropyltoluene	0.357		0.0449	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	Naphthalene	2.68		0.0860	0.221	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	n-Propylbenzene	0.228		0.0167	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	Toluene	0.0616	J	0.0230	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	1,2,4-Trimethylbenzene	0.512		0.0279	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	1,2,3-Trimethylbenzene	1.37		0.0279	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	1,3,5-Trimethylbenzene	0.190		0.0352	0.0881	11.5	06/02/2024 20:09	WG2297144
SVP-57-S-6.0	L1740668-08	Xylenes, Total	0.294		0.0155	0.115	11.5	06/02/2024 20:09	WG2297144
G-D1-1-2.0	L1740668-12	Naphthalene	0.0167		0.00598	0.0153	1	06/02/2024 20:28	WG2297144
G-D1-1-2.0	L1740668-12	Xylenes, Total	0.00300	J	0.00108	0.00796	1	06/02/2024 20:28	WG2297144
G-D1-1-5.0	L1740668-15	Benzene	0.000753	J	0.000636	0.00136	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	Chlorobenzene	0.00962		0.000286	0.00341	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	cis-1,2-Dichloroethene	0.00144	J	0.00100	0.00341	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	Naphthalene	0.00813	J	0.00665	0.0170	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	Toluene	0.00281	J	0.00177	0.00681	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	Trichloroethene	0.00119	J	0.000796	0.00136	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	1,2,4-Trimethylbenzene	0.00309	J	0.00215	0.00681	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	1,2,3-Trimethylbenzene	0.00232	J	0.00215	0.00681	1	06/02/2024 21:25	WG2297144
G-D1-1-5.0	L1740668-15	Xylenes, Total	0.00527	J	0.00120	0.00886	1	06/02/2024 21:25	WG2297144
BS-D1-1-2.0	L1740668-17	Benzene	0.00193		0.000568	0.00122	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	1,4-Dichlorobenzene	0.000905	J	0.000851	0.00608	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	Ethylbenzene	0.000956	J	0.000896	0.00304	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	Naphthalene	0.0221		0.00594	0.0152	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	Toluene	0.00225	J	0.00158	0.00608	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	1,2,4-Trimethylbenzene	0.00294	J	0.00192	0.00608	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	1,2,3-Trimethylbenzene	0.00255	J	0.00192	0.00608	1	06/02/2024 22:16	WG2297144
BS-D1-1-2.0	L1740668-17	Xylenes, Total	0.00692	J	0.00107	0.00791	1	06/02/2024 22:16	WG2297144
BS-D1-1-3.0	L1740668-18	Benzene	0.000841	J	0.000561	0.00120	1	06/02/2024 22:35	WG2297144
BS-D1-1-3.0	L1740668-18	Ethylbenzene	0.00180	J	0.000885	0.00300	1	06/02/2024 22:35	WG2297144
BS-D1-1-3.0	L1740668-18	Xylenes, Total	0.00261	J	0.00106	0.00780	1	06/02/2024 22:35	WG2297144
G-D3-1-2.0	L1740668-22	Benzene	0.00272		0.000687	0.00147	1	06/02/2024 23:15	WG2297144
G-D3-1-2.0	L1740668-22	Ethylbenzene	0.00154	J	0.00108	0.00368	1	06/02/2024 23:15	WG2297144
G-D3-1-2.0	L1740668-22	Naphthalene	0.0276		0.00717	0.0184	1	06/02/2024 23:15	WG2297144
G-D3-1-2.0	L1740668-22	Toluene	0.00360	J	0.00191	0.00735	1	06/02/2024 23:15	WG2297144
G-D3-1-2.0	L1740668-22	1,2,3-Trimethylbenzene	0.00247	J	0.00232	0.00735	1	06/02/2024 23:15	WG2297144
G-D3-1-2.0	L1740668-22	Xylenes, Total	0.00522	J	0.00129	0.00956	1	06/02/2024 23:15	WG2297144
G-D3-1-3.0	L1740668-23	Xylenes, Total	0.00185	J	0.00129	0.00953	1	06/02/2024 23:34	WG2297144
G-D3-1-5.0	L1740668-25	Benzene	0.0402		0.000854	0.00183	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	n-Butylbenzene	0.0157	J	0.00960	0.0229	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	sec-Butylbenzene	0.00563	J	0.00527	0.0229	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Chlorobenzene	0.00539		0.000384	0.00457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	1,4-Dichlorobenzene	0.00206	J	0.00128	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	1,1-Dichloroethane	0.00919		0.000898	0.00457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	cis-1,2-Dichloroethene	0.00211	J	0.00134	0.00457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Ethylbenzene	0.0473		0.00135	0.00457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Isopropylbenzene	0.00626		0.000777	0.00457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	p-Isopropyltoluene	0.109		0.00467	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Methylene Chloride	0.0131	J	0.0121	0.0457	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Naphthalene	0.101		0.00892	0.0229	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	n-Propylbenzene	0.0220		0.00173	0.00915	1.32	06/02/2024 23:54	WG2297144

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D3-1-5.0	L1740668-25	Toluene	0.152		0.00238	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	1,2,4-Trimethylbenzene	0.0769		0.00290	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	1,2,3-Trimethylbenzene	0.0356		0.00290	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	1,3,5-Trimethylbenzene	0.0303		0.00366	0.00915	1.32	06/02/2024 23:54	WG2297144
G-D3-1-5.0	L1740668-25	Xylenes, Total	0.290		0.00161	0.0119	1.32	06/02/2024 23:54	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052424	L1740668-10	C12-C22 Hydrocarbons	41.4	B J	33.0	100	1	05/31/2024 15:52	WG2295250

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D2-1-3.0	L1740668-03	C12-C22 Hydrocarbons	27.7		4.04	22.0	5	06/04/2024 19:21	WG2297499
G-D2-1-3.0	L1740668-03	C22-C32 Hydrocarbons	85.9		7.33	22.0	5	06/04/2024 19:21	WG2297499
G-D2-1-3.0	L1740668-03	C32-C40 Hydrocarbons	68.4		7.33	22.0	5	06/04/2024 19:21	WG2297499
G-D2-1-5.0	L1740668-05	C12-C22 Hydrocarbons	4.64		0.820	4.48	1	06/04/2024 17:57	WG2297499
G-D2-1-5.0	L1740668-05	C22-C32 Hydrocarbons	22.8		1.49	4.48	1	06/04/2024 17:57	WG2297499
G-D2-1-5.0	L1740668-05	C32-C40 Hydrocarbons	22.4		1.49	4.48	1	06/04/2024 17:57	WG2297499
SVP-53-S-4.0	L1740668-07	C12-C22 Hydrocarbons	257	J	47.7	260	50	06/04/2024 21:12	WG2297499
SVP-53-S-4.0	L1740668-07	C22-C32 Hydrocarbons	456		86.4	260	50	06/04/2024 21:12	WG2297499
SVP-53-S-4.0	L1740668-07	C32-C40 Hydrocarbons	311		86.4	260	50	06/04/2024 21:12	WG2297499
SVP-57-S-6.0	L1740668-08	C12-C22 Hydrocarbons	7040		94.2	514	100	06/04/2024 20:58	WG2297499
SVP-57-S-6.0	L1740668-08	C22-C32 Hydrocarbons	5040		171	514	100	06/04/2024 20:58	WG2297499
SVP-57-S-6.0	L1740668-08	C32-C40 Hydrocarbons	2540		171	514	100	06/04/2024 20:58	WG2297499
G-D1-1-2.0	L1740668-12	C12-C22 Hydrocarbons	136	J	81.4	444	100	06/08/2024 11:21	WG2301229
G-D1-1-2.0	L1740668-12	C22-C32 Hydrocarbons	922		148	444	100	06/08/2024 11:21	WG2301229
G-D1-1-2.0	L1740668-12	C32-C40 Hydrocarbons	1090		148	444	100	06/08/2024 11:21	WG2301229
G-D1-1-3.0	L1740668-13	C12-C22 Hydrocarbons	553		8.77	47.9	10	06/04/2024 20:02	WG2297499
G-D1-1-3.0	L1740668-13	C22-C32 Hydrocarbons	700		15.9	47.9	10	06/04/2024 20:02	WG2297499
G-D1-1-3.0	L1740668-13	C32-C40 Hydrocarbons	389		15.9	47.9	10	06/04/2024 20:02	WG2297499
G-D1-1-4.0	L1740668-14	C12-C22 Hydrocarbons	388		8.77	47.9	10	06/08/2024 10:54	WG2301229
G-D1-1-4.0	L1740668-14	C22-C32 Hydrocarbons	743		15.9	47.9	10	06/08/2024 10:54	WG2301229
G-D1-1-4.0	L1740668-14	C32-C40 Hydrocarbons	675		15.9	47.9	10	06/08/2024 10:54	WG2301229
G-D1-1-5.0	L1740668-15	C12-C22 Hydrocarbons	404		17.2	93.3	20	06/04/2024 20:30	WG2297499
G-D1-1-5.0	L1740668-15	C22-C32 Hydrocarbons	880		31.0	93.3	20	06/04/2024 20:30	WG2297499
G-D1-1-5.0	L1740668-15	C32-C40 Hydrocarbons	505		31.0	93.3	20	06/04/2024 20:30	WG2297499
BS-D1-1-3.0	L1740668-18	C12-C22 Hydrocarbons	56.0	J	16.2	88.0	20	06/04/2024 23:03	WG2297499
BS-D1-1-3.0	L1740668-18	C22-C32 Hydrocarbons	212		29.3	88.0	20	06/04/2024 23:03	WG2297499
BS-D1-1-3.0	L1740668-18	C32-C40 Hydrocarbons	204		29.3	88.0	20	06/04/2024 23:03	WG2297499
BS-D1-1-5.0	L1740668-20	C12-C22 Hydrocarbons	4.57	J	0.931	5.08	1	06/04/2024 18:11	WG2297499
BS-D1-1-5.0	L1740668-20	C22-C32 Hydrocarbons	20.4		1.69	5.08	1	06/04/2024 18:11	WG2297499
BS-D1-1-5.0	L1740668-20	C32-C40 Hydrocarbons	21.1		1.69	5.08	1	06/04/2024 18:11	WG2297499
G-D3-1-3.0	L1740668-23	C12-C22 Hydrocarbons	37.0		0.901	4.92	1	06/05/2024 00:16	WG2298254
G-D3-1-3.0	L1740668-23	C22-C32 Hydrocarbons	122		1.64	4.92	1	06/05/2024 00:16	WG2298254
G-D3-1-3.0	L1740668-23	C32-C40 Hydrocarbons	45.6		1.64	4.92	1	06/05/2024 00:16	WG2298254
G-D3-1-5.0	L1740668-25	C12-C22 Hydrocarbons	27.8	J	17.9	97.5	20	06/05/2024 02:41	WG2298254
G-D3-1-5.0	L1740668-25	C22-C32 Hydrocarbons	200		32.4	97.5	20	06/05/2024 02:41	WG2298254
G-D3-1-5.0	L1740668-25	C32-C40 Hydrocarbons	209		32.4	97.5	20	06/05/2024 02:41	WG2298254

DETECTION SUMMARY

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-D1-1-1.0	L1740668-16	PCB 1260	0.0350		0.00816	0.0188	1	06/04/2024 13:36	WG2297376
G-D3-1-1.0	L1740668-21	PCB 1242	0.157		0.0139	0.0401	1	06/04/2024 13:44	WG2297376
G-D3-1-1.0	L1740668-21	PCB 1260	0.0124	J	0.00871	0.0201	1	06/04/2024 13:44	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D2-1-1.0	L1740668-01	Anthracene	0.0479	J	0.0138	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Benzo(a)anthracene	0.465		0.0135	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Benzo(b)fluoranthene	0.778		0.0143	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Benzo(k)fluoranthene	0.246		0.0137	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Benzo(g,h,i)perylene	0.318		0.0141	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Benzo(a)pyrene	0.555		0.0143	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Chrysene	0.785		0.0153	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Dibenz(a,h)anthracene	0.103		0.0214	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Fluoranthene	0.466		0.0139	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Fluorene	0.0665	J	0.0125	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Indeno(1,2,3-cd)pyrene	0.343		0.0218	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Naphthalene	0.0237	J	0.0193	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Phenanthrene	0.133		0.0153	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-1.0	L1740668-01	Pyrene	0.686		0.0150	0.0771	2	06/06/2024 18:34	WG2299525
G-D2-1-2.0	L1740668-02	Acenaphthene	0.280	J	0.0645	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Acenaphthylene	0.159	J	0.0561	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Anthracene	0.305	J	0.0710	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Benzo(a)anthracene	2.93		0.0703	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Benzo(b)fluoranthene	5.64		0.0743	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Benzo(k)fluoranthene	1.62		0.0709	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Benzo(g,h,i)perylene	1.59		0.0729	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Benzo(a)pyrene	3.82		0.0741	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Chrysene	4.85		0.0792	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Dibenz(a,h)anthracene	0.593		0.110	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Fluoranthene	3.03		0.0719	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Fluorene	0.433		0.0649	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Indeno(1,2,3-cd)pyrene	1.78		0.113	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Naphthalene	0.274	J	0.100	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Phenanthrene	1.15		0.0791	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-2.0	L1740668-02	Pyrene	4.37		0.0776	0.399	10	06/06/2024 20:39	WG2299525
G-D2-1-3.0	L1740668-03	Acenaphthene	0.0171	J	0.0119	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Anthracene	0.0243	J	0.0131	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Benzo(a)anthracene	0.533		0.0129	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Benzo(b)fluoranthene	0.865		0.0137	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Benzo(k)fluoranthene	0.278		0.0130	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Benzo(g,h,i)perylene	0.388		0.0134	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Benzo(a)pyrene	0.530		0.0137	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Chrysene	0.835		0.0145	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Dibenz(a,h)anthracene	0.138		0.0204	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Fluoranthene	0.599		0.0132	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Indeno(1,2,3-cd)pyrene	0.376		0.0207	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Naphthalene	0.0349	J	0.0184	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Phenanthrene	0.127		0.0145	0.0734	2	06/06/2024 17:53	WG2299525
G-D2-1-3.0	L1740668-03	Pyrene	0.657		0.0143	0.0734	2	06/06/2024 17:53	WG2299525

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D1-1-2.0	L1740668-12	Benzo(a)anthracene	0.211	J	0.0652	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Benzo(b)fluoranthene	0.480		0.0690	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Benzo(k)fluoranthene	0.147	J	0.0658	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Benzo(g,h,i)perylene	0.129	J	0.0677	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Benzo(a)pyrene	0.257	J	0.0688	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Chrysene	0.330	J	0.0736	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Fluoranthene	0.201	J	0.0668	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Indeno(1,2,3-cd)pyrene	0.131	J	0.105	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Phenanthrene	0.0758	J	0.0734	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-2.0	L1740668-12	Pyrene	0.269	J	0.0720	0.370	10	06/07/2024 02:37	WG2299526
G-D1-1-3.0	L1740668-13	Benzo(a)anthracene	0.403		0.0703	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Benzo(b)fluoranthene	0.706		0.0743	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Benzo(k)fluoranthene	0.250	J	0.0709	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Benzo(g,h,i)perylene	0.354	J	0.0729	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Benzo(a)pyrene	0.522		0.0741	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Chrysene	0.567		0.0792	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Fluoranthene	0.389	J	0.0719	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Indeno(1,2,3-cd)pyrene	0.304	J	0.113	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Phenanthrene	0.190	J	0.0791	0.399	10	06/06/2024 19:03	WG2299526
G-D1-1-3.0	L1740668-13	Pyrene	0.622		0.0776	0.399	10	06/06/2024 19:03	WG2299526
BS-D1-1-1.0	L1740668-16	Benzo(b)fluoranthene	0.101	J	0.0687	0.368	10	06/07/2024 02:57	WG2299526
BS-D1-1-1.0	L1740668-16	Benzo(a)pyrene	0.0764	J	0.0685	0.368	10	06/07/2024 02:57	WG2299526
BS-D1-1-2.0	L1740668-17	Anthracene	0.0270	J	0.0131	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Benzo(a)anthracene	0.460		0.0129	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Benzo(b)fluoranthene	1.02		0.0136	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Benzo(k)fluoranthene	0.290		0.0130	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Benzo(g,h,i)perylene	0.234		0.0134	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Benzo(a)pyrene	0.565		0.0136	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Chrysene	0.747		0.0145	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Dibenz(a,h)anthracene	0.0954		0.0203	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Fluoranthene	0.454		0.0132	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Indeno(1,2,3-cd)pyrene	0.269		0.0207	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Naphthalene	0.0199	J	0.0184	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Phenanthrene	0.112		0.0145	0.0732	2	06/07/2024 02:17	WG2299526
BS-D1-1-2.0	L1740668-17	Pyrene	0.500		0.0143	0.0732	2	06/07/2024 02:17	WG2299526
G-D3-1-1.0	L1740668-21	Fluoranthene	0.0140	J	0.00709	0.0393	1	06/06/2024 11:28	WG2298678
G-D3-1-1.0	L1740668-21	Bis(2-ethylhexyl)phthalate	0.177	J	0.0498	0.393	1	06/06/2024 11:28	WG2298678
G-D3-1-1.0	L1740668-21	Pyrene	0.0158	J	0.00765	0.0393	1	06/06/2024 11:28	WG2298678
G-D3-1-2.0	L1740668-22	Acenaphthene	0.00660	J	0.00656	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Anthracene	0.00737	J	0.00722	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Benzo(a)anthracene	0.129	J3	0.00714	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Benzo(b)fluoranthene	0.206	J3	0.00756	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Benzo(k)fluoranthene	0.0623		0.00720	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Benzo(g,h,i)perylene	0.118	J3	0.00741	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Benzo(a)pyrene	0.151	J3	0.00753	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Chrysene	0.193	J3	0.00806	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Dibenz(a,h)anthracene	0.0340	J	0.0112	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Fluoranthene	0.119		0.00731	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Fluorene	0.00824	J	0.00660	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Indeno(1,2,3-cd)pyrene	0.129	J3	0.0115	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Naphthalene	0.0107	J	0.0102	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Phenanthrene	0.0555		0.00804	0.0405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Bis(2-ethylhexyl)phthalate	0.103	J	0.0514	0.405	1	06/06/2024 12:42	WG2298678
G-D3-1-2.0	L1740668-22	Pyrene	0.153	J3	0.00789	0.0405	1	06/06/2024 12:42	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-D3-1-3.0	L1740668-23	Benzo(a)anthracene	0.00789	J	0.00722	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Benzo(b)fluoranthene	0.0133	J	0.00763	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Benzo(g,h,i)perylene	0.00909	J	0.00749	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Benzo(a)pyrene	0.0112	J	0.00761	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Chrysene	0.0101	J	0.00814	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Fluoranthene	0.0157	J	0.00739	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Phenanthrene	0.0167	J	0.00813	0.0409	1	06/06/2024 12:17	WG2298678
G-D3-1-3.0	L1740668-23	Pyrene	0.0191	J	0.00797	0.0409	1	06/06/2024 12:17	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	05/30/2024 17:33	WG2295630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.151		0.0208	0.0463	1	05/31/2024 15:40	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.40		0.630	2.31	1	06/11/2024 15:13	WG2298288
Arsenic	6.51		0.599	2.31	1	06/11/2024 15:13	WG2298288
Barium	133		0.0986	0.579	1	06/11/2024 15:13	WG2298288
Beryllium	0.233		0.0365	0.231	1	06/11/2024 15:13	WG2298288
Cadmium	0.464	J	0.0545	0.579	1	06/11/2024 15:13	WG2298288
Chromium	17.8		0.154	1.16	1	06/11/2024 15:13	WG2298288
Cobalt	5.73		0.0938	1.16	1	06/11/2024 15:13	WG2298288
Copper	35.6		0.463	2.31	1	06/11/2024 15:13	WG2298288
Lead	85.5		0.241	0.579	1	06/11/2024 15:13	WG2298288
Molybdenum	1.55		0.126	0.579	1	06/11/2024 15:13	WG2298288
Nickel	20.1		0.153	2.31	1	06/11/2024 15:13	WG2298288
Selenium	U		0.884	2.31	1	06/11/2024 15:13	WG2298288
Silver	0.219	J	0.147	1.16	1	06/11/2024 15:13	WG2298288
Thallium	U		0.456	2.31	1	06/11/2024 15:13	WG2298288
Vanadium	21.3		0.586	2.31	1	06/11/2024 15:13	WG2298288
Zinc	113		0.963	5.79	1	06/11/2024 15:13	WG2298288

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0137	0.0393	1	06/03/2024 17:18	WG2297369
PCB 1221	U		0.0137	0.0393	1	06/03/2024 17:18	WG2297369
PCB 1232	U		0.0137	0.0393	1	06/03/2024 17:18	WG2297369
PCB 1242	U		0.0137	0.0393	1	06/03/2024 17:18	WG2297369
PCB 1248	U		0.00854	0.0197	1	06/03/2024 17:18	WG2297369
PCB 1254	U		0.00854	0.0197	1	06/03/2024 17:18	WG2297369
PCB 1260	U		0.00854	0.0197	1	06/03/2024 17:18	WG2297369
(S) Decachlorobiphenyl	*118*			*10.0-135*		*06/03/2024 17:18*	WG2297369
(S) Tetrachloro-m-xylene	*72.9*			*10.0-139*		*06/03/2024 17:18*	WG2297369

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0125	0.0771	2	06/06/2024 18:34	WG2299525
Acenaphthylene	U		0.0109	0.0771	2	06/06/2024 18:34	WG2299525
Anthracene	0.0479	J	0.0138	0.0771	2	06/06/2024 18:34	WG2299525
Benzidine	U		0.145	3.87	2	06/06/2024 18:34	WG2299525
Benzo(a)anthracene	0.465		0.0135	0.0771	2	06/06/2024 18:34	WG2299525
Benzo(b)fluoranthene	0.778		0.0143	0.0771	2	06/06/2024 18:34	WG2299525
Benzo(k)fluoranthene	0.246		0.0137	0.0771	2	06/06/2024 18:34	WG2299525
Benzo(g,h,i)perylene	0.318		0.0141	0.0771	2	06/06/2024 18:34	WG2299525
Benzo(a)pyrene	0.555		0.0143	0.0771	2	06/06/2024 18:34	WG2299525
Bis(2-chlorethoxy)methane	U		0.0231	0.771	2	06/06/2024 18:34	WG2299525
Bis(2-chloroethyl)ether	U		0.0255	0.771	2	06/06/2024 18:34	WG2299525

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0333	0.771	2	06/06/2024 18:34	WG2299525
4-Bromophenyl-phenylether	U		0.0271	0.771	2	06/06/2024 18:34	WG2299525
2-Chloronaphthalene	U		0.0135	0.0771	2	06/06/2024 18:34	WG2299525
4-Chlorophenyl-phenylether	U		0.0268	0.771	2	06/06/2024 18:34	WG2299525
Chrysene	0.785		0.0153	0.0771	2	06/06/2024 18:34	WG2299525
Dibenz(a,h)anthracene	0.103		0.0214	0.0771	2	06/06/2024 18:34	WG2299525
1,2-Dichlorobenzene	U		0.0228	0.771	2	06/06/2024 18:34	WG2299525
1,3-Dichlorobenzene	U		0.0234	0.771	2	06/06/2024 18:34	WG2299525
1,4-Dichlorobenzene	U		0.0229	0.771	2	06/06/2024 18:34	WG2299525
3,3-Dichlorobenzidine	U		0.0285	0.771	2	06/06/2024 18:34	WG2299525
2,4-Dinitrotoluene	U		0.0221	0.771	2	06/06/2024 18:34	WG2299525
2,6-Dinitrotoluene	U		0.0252	0.771	2	06/06/2024 18:34	WG2299525
Fluoranthene	0.466		0.0139	0.0771	2	06/06/2024 18:34	WG2299525
Fluorene	0.0665	J	0.0125	0.0771	2	06/06/2024 18:34	WG2299525
Hexachlorobenzene	U		0.0273	0.771	2	06/06/2024 18:34	WG2299525
Hexachloro-1,3-butadiene	U		0.0259	0.771	2	06/06/2024 18:34	WG2299525
Hexachlorocyclopentadiene	U		0.0405	0.771	2	06/06/2024 18:34	WG2299525
Hexachloroethane	U		0.0303	0.771	2	06/06/2024 18:34	WG2299525
Indeno(1,2,3-cd)pyrene	0.343		0.0218	0.0771	2	06/06/2024 18:34	WG2299525
Isophorone	U		0.0236	0.771	2	06/06/2024 18:34	WG2299525
Naphthalene	0.0237	J	0.0193	0.0771	2	06/06/2024 18:34	WG2299525
Nitrobenzene	U		0.0268	0.771	2	06/06/2024 18:34	WG2299525
n-Nitrosodimethylamine	U		0.114	0.771	2	06/06/2024 18:34	WG2299525
n-Nitrosodiphenylamine	U		0.0583	0.771	2	06/06/2024 18:34	WG2299525
n-Nitrosodi-n-propylamine	U		0.0257	0.771	2	06/06/2024 18:34	WG2299525
Phenanthrene	0.133		0.0153	0.0771	2	06/06/2024 18:34	WG2299525
Benzylbutyl phthalate	U		0.0241	0.771	2	06/06/2024 18:34	WG2299525
Bis(2-ethylhexyl)phthalate	U		0.0977	0.771	2	06/06/2024 18:34	WG2299525
Di-n-butyl phthalate	U		0.0264	0.771	2	06/06/2024 18:34	WG2299525
Diethyl phthalate	U		0.0255	0.771	2	06/06/2024 18:34	WG2299525
Dimethyl phthalate	U		0.163	0.771	2	06/06/2024 18:34	WG2299525
Di-n-octyl phthalate	U		0.0521	0.771	2	06/06/2024 18:34	WG2299525
Pyrene	0.686		0.0150	0.0771	2	06/06/2024 18:34	WG2299525
1,2,4-Trichlorobenzene	U		0.0241	0.771	2	06/06/2024 18:34	WG2299525
4-Chloro-3-methylphenol	U		0.0250	0.771	2	06/06/2024 18:34	WG2299525
2-Chlorophenol	U		0.0255	0.771	2	06/06/2024 18:34	WG2299525
2,4-Dichlorophenol	U		0.0224	0.771	2	06/06/2024 18:34	WG2299525
2,4-Dimethylphenol	U		0.0201	0.771	2	06/06/2024 18:34	WG2299525
4,6-Dinitro-2-methylphenol	U		0.175	0.771	2	06/06/2024 18:34	WG2299525
2,4-Dinitrophenol	U		0.181	0.771	2	06/06/2024 18:34	WG2299525
2-Nitrophenol	U		0.0275	0.771	2	06/06/2024 18:34	WG2299525
4-Nitrophenol	U		0.0241	0.771	2	06/06/2024 18:34	WG2299525
Pentachlorophenol	U		0.0207	0.771	2	06/06/2024 18:34	WG2299525
Phenol	U		0.0310	0.771	2	06/06/2024 18:34	WG2299525
2,4,6-Trichlorophenol	U		0.0248	0.771	2	06/06/2024 18:34	WG2299525
(S) 2-Fluorophenol	*76.2*			*12.0-120*		*06/06/2024 18:34*	WG2299525
(S) Phenol-d5	*71.0*			*10.0-120*		*06/06/2024 18:34*	WG2299525
(S) Nitrobenzene-d5	*73.7*			*10.0-122*		*06/06/2024 18:34*	WG2299525
(S) 2-Fluorobiphenyl	*64.6*			*15.0-120*		*06/06/2024 18:34*	WG2299525
(S) 2,4,6-Tribromophenol	*89.4*			*10.0-127*		*06/06/2024 18:34*	WG2299525
(S) p-Terphenyl-d14	*73.1*			*10.0-120*		*06/06/2024 18:34*	WG2299525

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	05/30/2024 17:33	WG2295630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.197		0.0215	0.0479	1	05/31/2024 15:43	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.29	J	0.651	2.39	1	06/11/2024 15:15	WG2298288
Arsenic	9.38		0.620	2.39	1	06/11/2024 15:15	WG2298288
Barium	205		0.102	0.599	1	06/11/2024 15:15	WG2298288
Beryllium	0.320		0.0377	0.239	1	06/11/2024 15:15	WG2298288
Cadmium	0.697		0.0564	0.599	1	06/11/2024 15:15	WG2298288
Chromium	28.0		0.159	1.20	1	06/11/2024 15:15	WG2298288
Cobalt	8.90		0.0971	1.20	1	06/11/2024 15:15	WG2298288
Copper	114		0.479	2.39	1	06/11/2024 15:15	WG2298288
Lead	164		0.249	0.599	1	06/11/2024 15:15	WG2298288
Molybdenum	1.54		0.130	0.599	1	06/11/2024 15:15	WG2298288
Nickel	37.4		0.158	2.39	1	06/11/2024 15:15	WG2298288
Selenium	U		0.915	2.39	1	06/11/2024 15:15	WG2298288
Silver	0.373	J	0.152	1.20	1	06/11/2024 15:15	WG2298288
Thallium	U		0.472	2.39	1	06/11/2024 15:15	WG2298288
Vanadium	35.8		0.606	2.39	1	06/11/2024 15:15	WG2298288
Zinc	186		0.996	5.99	1	06/11/2024 15:15	WG2298288

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0517	0.0708	1	06/02/2024 18:30	WG2297144
Acrylonitrile	U		0.00511	0.0177	1	06/02/2024 18:30	WG2297144
Benzene	0.00815		0.000661	0.00142	1	06/02/2024 18:30	WG2297144
Bromobenzene	U		0.00127	0.0177	1	06/02/2024 18:30	WG2297144
Bromodichloromethane	U		0.00103	0.00354	1	06/02/2024 18:30	WG2297144
Bromoform	U		0.00166	0.0354	1	06/02/2024 18:30	WG2297144
Bromomethane	U		0.00279	0.0177	1	06/02/2024 18:30	WG2297144
n-Butylbenzene	0.0239		0.00743	0.0177	1	06/02/2024 18:30	WG2297144
sec-Butylbenzene	0.0181		0.00408	0.0177	1	06/02/2024 18:30	WG2297144
tert-Butylbenzene	0.00525	J	0.00276	0.00708	1	06/02/2024 18:30	WG2297144
Carbon tetrachloride	U		0.00127	0.00708	1	06/02/2024 18:30	WG2297144
Chlorobenzene	U		0.000297	0.00354	1	06/02/2024 18:30	WG2297144
Chlorodibromomethane	U		0.000866	0.00354	1	06/02/2024 18:30	WG2297144
Chloroethane	U		0.00241	0.00708	1	06/02/2024 18:30	WG2297144
Chloroform	U		0.00146	0.00354	1	06/02/2024 18:30	WG2297144
Chloromethane	U		0.00616	0.0177	1	06/02/2024 18:30	WG2297144
2-Chlorotoluene	U		0.00122	0.00354	1	06/02/2024 18:30	WG2297144
4-Chlorotoluene	U		0.000637	0.00708	1	06/02/2024 18:30	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0354	1	06/02/2024 18:30	WG2297144
1,2-Dibromoethane	U		0.000917	0.00354	1	06/02/2024 18:30	WG2297144
Dibromomethane	U		0.00106	0.00708	1	06/02/2024 18:30	WG2297144
1,2-Dichlorobenzene	U		0.000602	0.00708	1	06/02/2024 18:30	WG2297144
1,3-Dichlorobenzene	U		0.000849	0.00708	1	06/02/2024 18:30	WG2297144
1,4-Dichlorobenzene	0.00194	J	0.000991	0.00708	1	06/02/2024 18:30	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00228	0.00708	1	06/02/2024 18:30	WG2297144
1,1-Dichloroethane	U		0.000695	0.00354	1	06/02/2024 18:30	WG2297144
1,2-Dichloroethane	U		0.000919	0.00354	1	06/02/2024 18:30	WG2297144
1,1-Dichloroethene	U		0.000858	0.00354	1	06/02/2024 18:30	WG2297144
cis-1,2-Dichloroethene	U		0.00104	0.00354	1	06/02/2024 18:30	WG2297144
trans-1,2-Dichloroethene	U		0.00147	0.00708	1	06/02/2024 18:30	WG2297144
1,2-Dichloropropane	U		0.00201	0.00708	1	06/02/2024 18:30	WG2297144
1,1-Dichloropropene	U		0.00115	0.00354	1	06/02/2024 18:30	WG2297144
1,3-Dichloropropane	U		0.000709	0.00708	1	06/02/2024 18:30	WG2297144
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	06/02/2024 18:30	WG2297144
trans-1,3-Dichloropropene	U		0.00161	0.00708	1	06/02/2024 18:30	WG2297144
2,2-Dichloropropane	U	J3	0.00195	0.00354	1	06/02/2024 18:30	WG2297144
Di-isopropyl ether	U		0.000580	0.00142	1	06/02/2024 18:30	WG2297144
Ethylbenzene	0.0204		0.00104	0.00354	1	06/02/2024 18:30	WG2297144
Hexachloro-1,3-butadiene	U		0.00849	0.0354	1	06/02/2024 18:30	WG2297144
Isopropylbenzene	0.00453		0.000602	0.00354	1	06/02/2024 18:30	WG2297144
p-Isopropyltoluene	0.0163		0.00361	0.00708	1	06/02/2024 18:30	WG2297144
2-Butanone (MEK)	U		0.0899	0.142	1	06/02/2024 18:30	WG2297144
Methylene Chloride	U		0.00940	0.0354	1	06/02/2024 18:30	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0354	1	06/02/2024 18:30	WG2297144
Methyl tert-butyl ether	U		0.000495	0.00142	1	06/02/2024 18:30	WG2297144
Naphthalene	0.485		0.00691	0.0177	1	06/02/2024 18:30	WG2297144
n-Propylbenzene	0.0117		0.00134	0.00708	1	06/02/2024 18:30	WG2297144
Styrene	U		0.000324	0.0177	1	06/02/2024 18:30	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	06/02/2024 18:30	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000984	0.00354	1	06/02/2024 18:30	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	06/02/2024 18:30	WG2297144
Tetrachloroethene	U		0.00127	0.00354	1	06/02/2024 18:30	WG2297144
Toluene	0.0333		0.00184	0.00708	1	06/02/2024 18:30	WG2297144
1,2,3-Trichlorobenzene	U		0.0104	0.0177	1	06/02/2024 18:30	WG2297144
1,2,4-Trichlorobenzene	U		0.00623	0.0177	1	06/02/2024 18:30	WG2297144
1,1,1-Trichloroethane	U		0.00131	0.00354	1	06/02/2024 18:30	WG2297144
1,1,2-Trichloroethane	U		0.000845	0.00354	1	06/02/2024 18:30	WG2297144
Trichloroethene	U		0.000827	0.00142	1	06/02/2024 18:30	WG2297144
Trichlorofluoromethane	U		0.00117	0.00354	1	06/02/2024 18:30	WG2297144
1,2,3-Trichloropropane	U		0.00229	0.0177	1	06/02/2024 18:30	WG2297144
1,2,4-Trimethylbenzene	0.0354		0.00224	0.00708	1	06/02/2024 18:30	WG2297144
1,2,3-Trimethylbenzene	0.0477		0.00224	0.00708	1	06/02/2024 18:30	WG2297144
1,3,5-Trimethylbenzene	0.00943		0.00283	0.00708	1	06/02/2024 18:30	WG2297144
Vinyl chloride	U		0.00164	0.00354	1	06/02/2024 18:30	WG2297144
Xylenes, Total	0.0638		0.00125	0.00920	1	06/02/2024 18:30	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 18:30*	WG2297144
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/02/2024 18:30*	WG2297144
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*06/02/2024 18:30*	WG2297144

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.280	J	0.0645	0.399	10	06/06/2024 20:39	WG2299525
Acenaphthylene	0.159	J	0.0561	0.399	10	06/06/2024 20:39	WG2299525
Anthracene	0.305	J	0.0710	0.399	10	06/06/2024 20:39	WG2299525
Benzidine	U		0.749	20.0	10	06/06/2024 20:39	WG2299525
Benzo(a)anthracene	2.93		0.0703	0.399	10	06/06/2024 20:39	WG2299525
Benzo(b)fluoranthene	5.64		0.0743	0.399	10	06/06/2024 20:39	WG2299525
Benzo(k)fluoranthene	1.62		0.0709	0.399	10	06/06/2024 20:39	WG2299525
Benzo(g,h,i)perylene	1.59		0.0729	0.399	10	06/06/2024 20:39	WG2299525

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	3.82		0.0741	0.399	10	06/06/2024 20:39	WG2299525
Bis(2-chlorethoxy)methane	U		0.120	3.99	10	06/06/2024 20:39	WG2299525
Bis(2-chloroethyl)ether	U		0.132	3.99	10	06/06/2024 20:39	WG2299525
2,2-Oxybis(1-Chloropropane)	U		0.172	3.99	10	06/06/2024 20:39	WG2299525
4-Bromophenyl-phenylether	U		0.140	3.99	10	06/06/2024 20:39	WG2299525
2-Chloronaphthalene	U		0.0700	0.399	10	06/06/2024 20:39	WG2299525
4-Chlorophenyl-phenylether	U		0.139	3.99	10	06/06/2024 20:39	WG2299525
Chrysene	4.85		0.0792	0.399	10	06/06/2024 20:39	WG2299525
Dibenz(a,h)anthracene	0.593		0.110	0.399	10	06/06/2024 20:39	WG2299525
1,2-Dichlorobenzene	U		0.118	3.99	10	06/06/2024 20:39	WG2299525
1,3-Dichlorobenzene	U		0.121	3.99	10	06/06/2024 20:39	WG2299525
1,4-Dichlorobenzene	U		0.119	3.99	10	06/06/2024 20:39	WG2299525
3,3-Dichlorobenzidine	U		0.147	3.99	10	06/06/2024 20:39	WG2299525
2,4-Dinitrotoluene	U		0.114	3.99	10	06/06/2024 20:39	WG2299525
2,6-Dinitrotoluene	U		0.130	3.99	10	06/06/2024 20:39	WG2299525
Fluoranthene	3.03		0.0719	0.399	10	06/06/2024 20:39	WG2299525
Fluorene	0.433		0.0649	0.399	10	06/06/2024 20:39	WG2299525
Hexachlorobenzene	U		0.141	3.99	10	06/06/2024 20:39	WG2299525
Hexachloro-1,3-butadiene	U		0.134	3.99	10	06/06/2024 20:39	WG2299525
Hexachlorocyclopentadiene	U		0.209	3.99	10	06/06/2024 20:39	WG2299525
Hexachloroethane	U		0.157	3.99	10	06/06/2024 20:39	WG2299525
Indeno(1,2,3-cd)pyrene	1.78		0.113	0.399	10	06/06/2024 20:39	WG2299525
Isophorone	U		0.122	3.99	10	06/06/2024 20:39	WG2299525
Naphthalene	0.274	J	0.100	0.399	10	06/06/2024 20:39	WG2299525
Nitrobenzene	U		0.139	3.99	10	06/06/2024 20:39	WG2299525
n-Nitrosodimethylamine	U		0.591	3.99	10	06/06/2024 20:39	WG2299525
n-Nitrosodiphenylamine	U		0.302	3.99	10	06/06/2024 20:39	WG2299525
n-Nitrosodi-n-propylamine	U		0.133	3.99	10	06/06/2024 20:39	WG2299525
Phenanthrene	1.15		0.0791	0.399	10	06/06/2024 20:39	WG2299525
Benzylbutyl phthalate	U		0.124	3.99	10	06/06/2024 20:39	WG2299525
Bis(2-ethylhexyl)phthalate	U		0.505	3.99	10	06/06/2024 20:39	WG2299525
Di-n-butyl phthalate	U		0.136	3.99	10	06/06/2024 20:39	WG2299525
Diethyl phthalate	U		0.132	3.99	10	06/06/2024 20:39	WG2299525
Dimethyl phthalate	U		0.845	3.99	10	06/06/2024 20:39	WG2299525
Di-n-octyl phthalate	U		0.269	3.99	10	06/06/2024 20:39	WG2299525
Pyrene	4.37		0.0776	0.399	10	06/06/2024 20:39	WG2299525
1,2,4-Trichlorobenzene	U		0.124	3.99	10	06/06/2024 20:39	WG2299525
4-Chloro-3-methylphenol	U		0.129	3.99	10	06/06/2024 20:39	WG2299525
2-Chlorophenol	U		0.132	3.99	10	06/06/2024 20:39	WG2299525
2,4-Dichlorophenol	U		0.116	3.99	10	06/06/2024 20:39	WG2299525
2,4-Dimethylphenol	U		0.104	3.99	10	06/06/2024 20:39	WG2299525
4,6-Dinitro-2-methylphenol	U		0.904	3.99	10	06/06/2024 20:39	WG2299525
2,4-Dinitrophenol	U		0.932	3.99	10	06/06/2024 20:39	WG2299525
2-Nitrophenol	U		0.142	3.99	10	06/06/2024 20:39	WG2299525
4-Nitrophenol	U		0.124	3.99	10	06/06/2024 20:39	WG2299525
Pentachlorophenol	U		0.107	3.99	10	06/06/2024 20:39	WG2299525
Phenol	U		0.160	3.99	10	06/06/2024 20:39	WG2299525
2,4,6-Trichlorophenol	U		0.128	3.99	10	06/06/2024 20:39	WG2299525
(S) 2-Fluorophenol	*82.8*			*12.0-120*		*06/06/2024 20:39*	WG2299525
(S) Phenol-d5	*69.2*			*10.0-120*		*06/06/2024 20:39*	WG2299525
(S) Nitrobenzene-d5	*73.7*			*10.0-122*		*06/06/2024 20:39*	WG2299525
(S) 2-Fluorobiphenyl	*76.2*			*15.0-120*		*06/06/2024 20:39*	WG2299525
(S) 2,4,6-Tribromophenol	*102*			*10.0-127*		*06/06/2024 20:39*	WG2299525
(S) p-Terphenyl-d14	*88.2*			*10.0-120*		*06/06/2024 20:39*	WG2299525

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	05/30/2024 17:33	WG2295630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0559		0.0198	0.0441	1	05/31/2024 15:45	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.42		0.599	2.20	1	06/11/2024 15:16	WG2298288
Arsenic	5.69		0.571	2.20	1	06/11/2024 15:16	WG2298288
Barium	129		0.0939	0.551	1	06/11/2024 15:16	WG2298288
Beryllium	0.557		0.0347	0.220	1	06/11/2024 15:16	WG2298288
Cadmium	0.344	J	0.0519	0.551	1	06/11/2024 15:16	WG2298288
Chromium	31.4		0.147	1.10	1	06/11/2024 15:16	WG2298288
Cobalt	9.47		0.0893	1.10	1	06/11/2024 15:16	WG2298288
Copper	35.9		0.441	2.20	1	06/11/2024 15:16	WG2298288
Lead	37.4		0.229	0.551	1	06/11/2024 15:16	WG2298288
Molybdenum	0.657		0.120	0.551	1	06/11/2024 15:16	WG2298288
Nickel	46.0		0.145	2.20	1	06/11/2024 15:16	WG2298288
Selenium	U		0.842	2.20	1	06/11/2024 15:16	WG2298288
Silver	0.428	J	0.140	1.10	1	06/11/2024 15:16	WG2298288
Thallium	U		0.434	2.20	1	06/11/2024 15:16	WG2298288
Vanadium	27.4		0.557	2.20	1	06/11/2024 15:16	WG2298288
Zinc	78.1		0.917	5.51	1	06/11/2024 15:16	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	12.7		1.00	3.02	25	05/31/2024 18:12	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*99.2*			*77.0-120*		*05/31/2024 18:12*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0442	0.0605	1	06/02/2024 18:49	WG2297144
Acrylonitrile	U		0.00437	0.0151	1	06/02/2024 18:49	WG2297144
Benzene	0.00381		0.000565	0.00121	1	06/02/2024 18:49	WG2297144
Bromobenzene	U		0.00109	0.0151	1	06/02/2024 18:49	WG2297144
Bromodichloromethane	U		0.000877	0.00302	1	06/02/2024 18:49	WG2297144
Bromoform	U		0.00142	0.0302	1	06/02/2024 18:49	WG2297144
Bromomethane	U		0.00238	0.0151	1	06/02/2024 18:49	WG2297144
n-Butylbenzene	U		0.00635	0.0151	1	06/02/2024 18:49	WG2297144
sec-Butylbenzene	U		0.00348	0.0151	1	06/02/2024 18:49	WG2297144
tert-Butylbenzene	U		0.00236	0.00605	1	06/02/2024 18:49	WG2297144
Carbon tetrachloride	U		0.00109	0.00605	1	06/02/2024 18:49	WG2297144
Chlorobenzene	U		0.000254	0.00302	1	06/02/2024 18:49	WG2297144
Chlorodibromomethane	U		0.000740	0.00302	1	06/02/2024 18:49	WG2297144
Chloroethane	U		0.00206	0.00605	1	06/02/2024 18:49	WG2297144
Chloroform	U		0.00125	0.00302	1	06/02/2024 18:49	WG2297144
Chloromethane	U		0.00526	0.0151	1	06/02/2024 18:49	WG2297144
2-Chlorotoluene	U		0.00105	0.00302	1	06/02/2024 18:49	WG2297144
4-Chlorotoluene	U		0.000544	0.00605	1	06/02/2024 18:49	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00472	0.0302	1	06/02/2024 18:49	WG2297144
1,2-Dibromoethane	U		0.000784	0.00302	1	06/02/2024 18:49	WG2297144
Dibromomethane	U		0.000907	0.00605	1	06/02/2024 18:49	WG2297144
1,2-Dichlorobenzene	U		0.000514	0.00605	1	06/02/2024 18:49	WG2297144
1,3-Dichlorobenzene	U		0.000726	0.00605	1	06/02/2024 18:49	WG2297144
1,4-Dichlorobenzene	0.00108	J	0.000847	0.00605	1	06/02/2024 18:49	WG2297144
Dichlorodifluoromethane	U		0.00195	0.00605	1	06/02/2024 18:49	WG2297144
1,1-Dichloroethane	U		0.000594	0.00302	1	06/02/2024 18:49	WG2297144
1,2-Dichloroethane	U		0.000785	0.00302	1	06/02/2024 18:49	WG2297144
1,1-Dichloroethene	U		0.000733	0.00302	1	06/02/2024 18:49	WG2297144
cis-1,2-Dichloroethene	U		0.000888	0.00302	1	06/02/2024 18:49	WG2297144
trans-1,2-Dichloroethene	U		0.00126	0.00605	1	06/02/2024 18:49	WG2297144
1,2-Dichloropropane	U		0.00172	0.00605	1	06/02/2024 18:49	WG2297144
1,1-Dichloropropene	U		0.000979	0.00302	1	06/02/2024 18:49	WG2297144
1,3-Dichloropropane	U		0.000606	0.00605	1	06/02/2024 18:49	WG2297144
cis-1,3-Dichloropropene	U		0.000916	0.00302	1	06/02/2024 18:49	WG2297144
trans-1,3-Dichloropropene	U		0.00138	0.00605	1	06/02/2024 18:49	WG2297144
2,2-Dichloropropane	U	J3	0.00167	0.00302	1	06/02/2024 18:49	WG2297144
Di-isopropyl ether	U		0.000496	0.00121	1	06/02/2024 18:49	WG2297144
Ethylbenzene	0.00773		0.000892	0.00302	1	06/02/2024 18:49	WG2297144
Hexachloro-1,3-butadiene	U		0.00726	0.0302	1	06/02/2024 18:49	WG2297144
Isopropylbenzene	0.00131	J	0.000514	0.00302	1	06/02/2024 18:49	WG2297144
p-Isopropyltoluene	U		0.00308	0.00605	1	06/02/2024 18:49	WG2297144
2-Butanone (MEK)	U		0.0768	0.121	1	06/02/2024 18:49	WG2297144
Methylene Chloride	U		0.00803	0.0302	1	06/02/2024 18:49	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00276	0.0302	1	06/02/2024 18:49	WG2297144
Methyl tert-butyl ether	U		0.000423	0.00121	1	06/02/2024 18:49	WG2297144
Naphthalene	0.0288		0.00590	0.0151	1	06/02/2024 18:49	WG2297144
n-Propylbenzene	0.00520	J	0.00115	0.00605	1	06/02/2024 18:49	WG2297144
Styrene	U		0.000277	0.0151	1	06/02/2024 18:49	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00115	0.00302	1	06/02/2024 18:49	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000841	0.00302	1	06/02/2024 18:49	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.000912	0.00302	1	06/02/2024 18:49	WG2297144
Tetrachloroethene	U		0.00108	0.00302	1	06/02/2024 18:49	WG2297144
Toluene	0.00947		0.00157	0.00605	1	06/02/2024 18:49	WG2297144
1,2,3-Trichlorobenzene	U		0.00887	0.0151	1	06/02/2024 18:49	WG2297144
1,2,4-Trichlorobenzene	U		0.00532	0.0151	1	06/02/2024 18:49	WG2297144
1,1,1-Trichloroethane	U		0.00112	0.00302	1	06/02/2024 18:49	WG2297144
1,1,2-Trichloroethane	U		0.000722	0.00302	1	06/02/2024 18:49	WG2297144
Trichloroethene	U		0.000706	0.00121	1	06/02/2024 18:49	WG2297144
Trichlorofluoromethane	U		0.00100	0.00302	1	06/02/2024 18:49	WG2297144
1,2,3-Trichloropropane	U		0.00196	0.0151	1	06/02/2024 18:49	WG2297144
1,2,4-Trimethylbenzene	0.00350	J	0.00191	0.00605	1	06/02/2024 18:49	WG2297144
1,2,3-Trimethylbenzene	0.00333	J	0.00191	0.00605	1	06/02/2024 18:49	WG2297144
1,3,5-Trimethylbenzene	U		0.00242	0.00605	1	06/02/2024 18:49	WG2297144
Vinyl chloride	U		0.00140	0.00302	1	06/02/2024 18:49	WG2297144
Xylenes, Total	0.00762	J	0.00106	0.00786	1	06/02/2024 18:49	WG2297144
(S) Toluene-d8	*101*			*75.0-131*		*06/02/2024 18:49*	WG2297144
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/02/2024 18:49*	WG2297144
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*06/02/2024 18:49*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	27.7		4.04	22.0	5	06/04/2024 19:21	WG2297499
C22-C32 Hydrocarbons	85.9		7.33	22.0	5	06/04/2024 19:21	WG2297499
C32-C40 Hydrocarbons	68.4		7.33	22.0	5	06/04/2024 19:21	WG2297499
(S) o-Terphenyl	*57.3*			*18.0-148*		*06/04/2024 19:21*	WG2297499

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0171	J	0.0119	0.0734	2	06/06/2024 17:53	WG2299525
Acenaphthylene	U		0.0103	0.0734	2	06/06/2024 17:53	WG2299525
Anthracene	0.0243	J	0.0131	0.0734	2	06/06/2024 17:53	WG2299525
Benzidine	U		0.138	3.68	2	06/06/2024 17:53	WG2299525
Benzo(a)anthracene	0.533		0.0129	0.0734	2	06/06/2024 17:53	WG2299525
Benzo(b)fluoranthene	0.865		0.0137	0.0734	2	06/06/2024 17:53	WG2299525
Benzo(k)fluoranthene	0.278		0.0130	0.0734	2	06/06/2024 17:53	WG2299525
Benzo(g,h,i)perylene	0.388		0.0134	0.0734	2	06/06/2024 17:53	WG2299525
Benzo(a)pyrene	0.530		0.0137	0.0734	2	06/06/2024 17:53	WG2299525
Bis(2-chlorethoxy)methane	U		0.0220	0.734	2	06/06/2024 17:53	WG2299525
Bis(2-chloroethyl)ether	U		0.0242	0.734	2	06/06/2024 17:53	WG2299525
2,2-Oxybis(1-Chloropropane)	U		0.0317	0.734	2	06/06/2024 17:53	WG2299525
4-Bromophenyl-phenylether	U		0.0258	0.734	2	06/06/2024 17:53	WG2299525
2-Chloronaphthalene	U		0.0129	0.0734	2	06/06/2024 17:53	WG2299525
4-Chlorophenyl-phenylether	U		0.0256	0.734	2	06/06/2024 17:53	WG2299525
Chrysene	0.835		0.0145	0.0734	2	06/06/2024 17:53	WG2299525
Dibenz(a,h)anthracene	0.138		0.0204	0.0734	2	06/06/2024 17:53	WG2299525
1,2-Dichlorobenzene	U		0.0217	0.734	2	06/06/2024 17:53	WG2299525
1,3-Dichlorobenzene	U		0.0223	0.734	2	06/06/2024 17:53	WG2299525
1,4-Dichlorobenzene	U		0.0218	0.734	2	06/06/2024 17:53	WG2299525
3,3-Dichlorobenzidine	U		0.0271	0.734	2	06/06/2024 17:53	WG2299525
2,4-Dinitrotoluene	U		0.0210	0.734	2	06/06/2024 17:53	WG2299525
2,6-Dinitrotoluene	U		0.0240	0.734	2	06/06/2024 17:53	WG2299525
Fluoranthene	0.599		0.0132	0.0734	2	06/06/2024 17:53	WG2299525
Fluorene	U		0.0119	0.0734	2	06/06/2024 17:53	WG2299525
Hexachlorobenzene	U		0.0260	0.734	2	06/06/2024 17:53	WG2299525
Hexachloro-1,3-butadiene	U		0.0247	0.734	2	06/06/2024 17:53	WG2299525
Hexachlorocyclopentadiene	U		0.0386	0.734	2	06/06/2024 17:53	WG2299525
Hexachloroethane	U		0.0289	0.734	2	06/06/2024 17:53	WG2299525
Indeno(1,2,3-cd)pyrene	0.376		0.0207	0.0734	2	06/06/2024 17:53	WG2299525
Isophorone	U		0.0225	0.734	2	06/06/2024 17:53	WG2299525
Naphthalene	0.0349	J	0.0184	0.0734	2	06/06/2024 17:53	WG2299525
Nitrobenzene	U		0.0256	0.734	2	06/06/2024 17:53	WG2299525
n-Nitrosodimethylamine	U		0.109	0.734	2	06/06/2024 17:53	WG2299525
n-Nitrosodiphenylamine	U		0.0555	0.734	2	06/06/2024 17:53	WG2299525
n-Nitrosodi-n-propylamine	U		0.0245	0.734	2	06/06/2024 17:53	WG2299525
Phenanthrene	0.127		0.0145	0.0734	2	06/06/2024 17:53	WG2299525
Benzylbutyl phthalate	U		0.0229	0.734	2	06/06/2024 17:53	WG2299525
Bis(2-ethylhexyl)phthalate	U		0.0930	0.734	2	06/06/2024 17:53	WG2299525
Di-n-butyl phthalate	U		0.0251	0.734	2	06/06/2024 17:53	WG2299525
Diethyl phthalate	U		0.0242	0.734	2	06/06/2024 17:53	WG2299525
Dimethyl phthalate	U		0.155	0.734	2	06/06/2024 17:53	WG2299525
Di-n-octyl phthalate	U		0.0496	0.734	2	06/06/2024 17:53	WG2299525
Pyrene	0.657		0.0143	0.0734	2	06/06/2024 17:53	WG2299525
1,2,4-Trichlorobenzene	U		0.0229	0.734	2	06/06/2024 17:53	WG2299525
4-Chloro-3-methylphenol	U		0.0238	0.734	2	06/06/2024 17:53	WG2299525
2-Chlorophenol	U		0.0242	0.734	2	06/06/2024 17:53	WG2299525
2,4-Dichlorophenol	U		0.0214	0.734	2	06/06/2024 17:53	WG2299525

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0192	0.734	2	06/06/2024 17:53	WG2299525
4,6-Dinitro-2-methylphenol	U		0.166	0.734	2	06/06/2024 17:53	WG2299525
2,4-Dinitrophenol	U		0.172	0.734	2	06/06/2024 17:53	WG2299525
2-Nitrophenol	U		0.0262	0.734	2	06/06/2024 17:53	WG2299525
4-Nitrophenol	U		0.0229	0.734	2	06/06/2024 17:53	WG2299525
Pentachlorophenol	U		0.0197	0.734	2	06/06/2024 17:53	WG2299525
Phenol	U		0.0295	0.734	2	06/06/2024 17:53	WG2299525
2,4,6-Trichlorophenol	U		0.0236	0.734	2	06/06/2024 17:53	WG2299525
(S) 2-Fluorophenol	*72.0*			*12.0-120*		*06/06/2024 17:53*	WG2299525
(S) Phenol-d5	*69.5*			*10.0-120*		*06/06/2024 17:53*	WG2299525
(S) Nitrobenzene-d5	*72.3*			*10.0-122*		*06/06/2024 17:53*	WG2299525
(S) 2-Fluorobiphenyl	*61.9*			*15.0-120*		*06/06/2024 17:53*	WG2299525
(S) 2,4,6-Tribromophenol	*96.5*			*10.0-127*		*06/06/2024 17:53*	WG2299525
(S) p-Terphenyl-d14	*77.0*			*10.0-120*		*06/06/2024 17:53*	WG2299525

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	05/30/2024 17:33	WG2295630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.03	B J	1.04	3.13	25	05/31/2024 18:31	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*05/31/2024 18:31*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0457	0.0626	1	06/02/2024 19:09	WG2297144
Acrylonitrile	U		0.00452	0.0156	1	06/02/2024 19:09	WG2297144
Benzene	U		0.000585	0.00125	1	06/02/2024 19:09	WG2297144
Bromobenzene	U		0.00113	0.0156	1	06/02/2024 19:09	WG2297144
Bromodichloromethane	U		0.000908	0.00313	1	06/02/2024 19:09	WG2297144
Bromoform	U		0.00146	0.0313	1	06/02/2024 19:09	WG2297144
Bromomethane	U		0.00247	0.0156	1	06/02/2024 19:09	WG2297144
n-Butylbenzene	U		0.00657	0.0156	1	06/02/2024 19:09	WG2297144
sec-Butylbenzene	U		0.00361	0.0156	1	06/02/2024 19:09	WG2297144
tert-Butylbenzene	U		0.00244	0.00626	1	06/02/2024 19:09	WG2297144
Carbon tetrachloride	U		0.00112	0.00626	1	06/02/2024 19:09	WG2297144
Chlorobenzene	U		0.000263	0.00313	1	06/02/2024 19:09	WG2297144
Chlorodibromomethane	U		0.000766	0.00313	1	06/02/2024 19:09	WG2297144
Chloroethane	U		0.00213	0.00626	1	06/02/2024 19:09	WG2297144
Chloroform	U		0.00129	0.00313	1	06/02/2024 19:09	WG2297144
Chloromethane	U		0.00545	0.0156	1	06/02/2024 19:09	WG2297144
2-Chlorotoluene	U		0.00108	0.00313	1	06/02/2024 19:09	WG2297144
4-Chlorotoluene	U		0.000563	0.00626	1	06/02/2024 19:09	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00488	0.0313	1	06/02/2024 19:09	WG2297144
1,2-Dibromoethane	U		0.000811	0.00313	1	06/02/2024 19:09	WG2297144
Dibromomethane	U		0.000939	0.00626	1	06/02/2024 19:09	WG2297144
1,2-Dichlorobenzene	U		0.000532	0.00626	1	06/02/2024 19:09	WG2297144
1,3-Dichlorobenzene	U		0.000751	0.00626	1	06/02/2024 19:09	WG2297144
1,4-Dichlorobenzene	U		0.000876	0.00626	1	06/02/2024 19:09	WG2297144
Dichlorodifluoromethane	U		0.00202	0.00626	1	06/02/2024 19:09	WG2297144
1,1-Dichloroethane	U		0.000615	0.00313	1	06/02/2024 19:09	WG2297144
1,2-Dichloroethane	U		0.000813	0.00313	1	06/02/2024 19:09	WG2297144
1,1-Dichloroethene	U		0.000759	0.00313	1	06/02/2024 19:09	WG2297144
cis-1,2-Dichloroethene	U		0.000919	0.00313	1	06/02/2024 19:09	WG2297144
trans-1,2-Dichloroethene	U		0.00130	0.00626	1	06/02/2024 19:09	WG2297144
1,2-Dichloropropane	U		0.00178	0.00626	1	06/02/2024 19:09	WG2297144
1,1-Dichloropropene	U		0.00101	0.00313	1	06/02/2024 19:09	WG2297144
1,3-Dichloropropane	U		0.000627	0.00626	1	06/02/2024 19:09	WG2297144
cis-1,3-Dichloropropene	U		0.000948	0.00313	1	06/02/2024 19:09	WG2297144
trans-1,3-Dichloropropene	U		0.00143	0.00626	1	06/02/2024 19:09	WG2297144
2,2-Dichloropropane	U	J3	0.00173	0.00313	1	06/02/2024 19:09	WG2297144
Di-isopropyl ether	U		0.000513	0.00125	1	06/02/2024 19:09	WG2297144
Ethylbenzene	U		0.000923	0.00313	1	06/02/2024 19:09	WG2297144
Hexachloro-1,3-butadiene	U		0.00751	0.0313	1	06/02/2024 19:09	WG2297144
Isopropylbenzene	U		0.000532	0.00313	1	06/02/2024 19:09	WG2297144
p-Isopropyltoluene	U		0.00319	0.00626	1	06/02/2024 19:09	WG2297144
2-Butanone (MEK)	U		0.0795	0.125	1	06/02/2024 19:09	WG2297144
Methylene Chloride	U		0.00831	0.0313	1	06/02/2024 19:09	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00285	0.0313	1	06/02/2024 19:09	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000438	0.00125	1	06/02/2024 19:09	WG2297144
Naphthalene	U		0.00611	0.0156	1	06/02/2024 19:09	WG2297144
n-Propylbenzene	U		0.00119	0.00626	1	06/02/2024 19:09	WG2297144
Styrene	U		0.000287	0.0156	1	06/02/2024 19:09	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00119	0.00313	1	06/02/2024 19:09	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000870	0.00313	1	06/02/2024 19:09	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.000944	0.00313	1	06/02/2024 19:09	WG2297144
Tetrachloroethene	U		0.00112	0.00313	1	06/02/2024 19:09	WG2297144
Toluene	U		0.00163	0.00626	1	06/02/2024 19:09	WG2297144
1,2,3-Trichlorobenzene	U		0.00918	0.0156	1	06/02/2024 19:09	WG2297144
1,2,4-Trichlorobenzene	U		0.00551	0.0156	1	06/02/2024 19:09	WG2297144
1,1,1-Trichloroethane	U		0.00116	0.00313	1	06/02/2024 19:09	WG2297144
1,1,2-Trichloroethane	U		0.000747	0.00313	1	06/02/2024 19:09	WG2297144
Trichloroethene	U		0.000731	0.00125	1	06/02/2024 19:09	WG2297144
Trichlorofluoromethane	U		0.00104	0.00313	1	06/02/2024 19:09	WG2297144
1,2,3-Trichloropropane	U		0.00203	0.0156	1	06/02/2024 19:09	WG2297144
1,2,4-Trimethylbenzene	U		0.00198	0.00626	1	06/02/2024 19:09	WG2297144
1,2,3-Trimethylbenzene	U		0.00198	0.00626	1	06/02/2024 19:09	WG2297144
1,3,5-Trimethylbenzene	U		0.00250	0.00626	1	06/02/2024 19:09	WG2297144
Vinyl chloride	U		0.00145	0.00313	1	06/02/2024 19:09	WG2297144
Xylenes, Total	0.00203	J	0.00110	0.00814	1	06/02/2024 19:09	WG2297144
(S) Toluene-d8	*100*			*75.0-131*		*06/02/2024 19:09*	WG2297144
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/02/2024 19:09*	WG2297144
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*06/02/2024 19:09*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	4.64		0.820	4.48	1	06/04/2024 17:57	WG2297499
C22-C32 Hydrocarbons	22.8		1.49	4.48	1	06/04/2024 17:57	WG2297499
C32-C40 Hydrocarbons	22.4		1.49	4.48	1	06/04/2024 17:57	WG2297499
(S) o-Terphenyl	*46.5*			*18.0-148*		*06/04/2024 17:57*	WG2297499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	05/30/2024 17:33	WG2295630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.80	B J	1.13	3.40	25	05/31/2024 19:10	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-120*		*05/31/2024 19:10*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0497	0.0680	1	06/02/2024 19:29	WG2297144
Acrylonitrile	U		0.00491	0.0170	1	06/02/2024 19:29	WG2297144
Benzene	U		0.000636	0.00136	1	06/02/2024 19:29	WG2297144
Bromobenzene	U		0.00122	0.0170	1	06/02/2024 19:29	WG2297144
Bromodichloromethane	U		0.000987	0.00340	1	06/02/2024 19:29	WG2297144
Bromoform	U		0.00159	0.0340	1	06/02/2024 19:29	WG2297144
Bromomethane	U		0.00268	0.0170	1	06/02/2024 19:29	WG2297144
n-Butylbenzene	U		0.00714	0.0170	1	06/02/2024 19:29	WG2297144
sec-Butylbenzene	U		0.00392	0.0170	1	06/02/2024 19:29	WG2297144
tert-Butylbenzene	U		0.00265	0.00680	1	06/02/2024 19:29	WG2297144
Carbon tetrachloride	U		0.00122	0.00680	1	06/02/2024 19:29	WG2297144
Chlorobenzene	U		0.000286	0.00340	1	06/02/2024 19:29	WG2297144
Chlorodibromomethane	U		0.000833	0.00340	1	06/02/2024 19:29	WG2297144
Chloroethane	U		0.00231	0.00680	1	06/02/2024 19:29	WG2297144
Chloroform	U		0.00140	0.00340	1	06/02/2024 19:29	WG2297144
Chloromethane	U		0.00592	0.0170	1	06/02/2024 19:29	WG2297144
2-Chlorotoluene	U		0.00118	0.00340	1	06/02/2024 19:29	WG2297144
4-Chlorotoluene	U		0.000612	0.00680	1	06/02/2024 19:29	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00531	0.0340	1	06/02/2024 19:29	WG2297144
1,2-Dibromoethane	U		0.000882	0.00340	1	06/02/2024 19:29	WG2297144
Dibromomethane	U		0.00102	0.00680	1	06/02/2024 19:29	WG2297144
1,2-Dichlorobenzene	U		0.000578	0.00680	1	06/02/2024 19:29	WG2297144
1,3-Dichlorobenzene	U		0.000817	0.00680	1	06/02/2024 19:29	WG2297144
1,4-Dichlorobenzene	U		0.000953	0.00680	1	06/02/2024 19:29	WG2297144
Dichlorodifluoromethane	U		0.00219	0.00680	1	06/02/2024 19:29	WG2297144
1,1-Dichloroethane	U		0.000668	0.00340	1	06/02/2024 19:29	WG2297144
1,2-Dichloroethane	U		0.000883	0.00340	1	06/02/2024 19:29	WG2297144
1,1-Dichloroethene	U		0.000825	0.00340	1	06/02/2024 19:29	WG2297144
cis-1,2-Dichloroethene	U		0.000999	0.00340	1	06/02/2024 19:29	WG2297144
trans-1,2-Dichloroethene	U		0.00142	0.00680	1	06/02/2024 19:29	WG2297144
1,2-Dichloropropane	U		0.00193	0.00680	1	06/02/2024 19:29	WG2297144
1,1-Dichloropropene	U		0.00110	0.00340	1	06/02/2024 19:29	WG2297144
1,3-Dichloropropane	U		0.000682	0.00680	1	06/02/2024 19:29	WG2297144
cis-1,3-Dichloropropene	U		0.00103	0.00340	1	06/02/2024 19:29	WG2297144
trans-1,3-Dichloropropene	U		0.00155	0.00680	1	06/02/2024 19:29	WG2297144
2,2-Dichloropropane	U	J3	0.00188	0.00340	1	06/02/2024 19:29	WG2297144
Di-isopropyl ether	U		0.000558	0.00136	1	06/02/2024 19:29	WG2297144
Ethylbenzene	U		0.00100	0.00340	1	06/02/2024 19:29	WG2297144
Hexachloro-1,3-butadiene	U		0.00817	0.0340	1	06/02/2024 19:29	WG2297144
Isopropylbenzene	U		0.000578	0.00340	1	06/02/2024 19:29	WG2297144
p-Isopropyltoluene	U		0.00347	0.00680	1	06/02/2024 19:29	WG2297144
2-Butanone (MEK)	U		0.0864	0.136	1	06/02/2024 19:29	WG2297144
Methylene Chloride	U		0.00904	0.0340	1	06/02/2024 19:29	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00310	0.0340	1	06/02/2024 19:29	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000476	0.00136	1	06/02/2024 19:29	WG2297144
Naphthalene	U		0.00664	0.0170	1	06/02/2024 19:29	WG2297144
n-Propylbenzene	U		0.00129	0.00680	1	06/02/2024 19:29	WG2297144
Styrene	U		0.000312	0.0170	1	06/02/2024 19:29	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00129	0.00340	1	06/02/2024 19:29	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000946	0.00340	1	06/02/2024 19:29	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00103	0.00340	1	06/02/2024 19:29	WG2297144
Tetrachloroethene	U		0.00122	0.00340	1	06/02/2024 19:29	WG2297144
Toluene	U		0.00177	0.00680	1	06/02/2024 19:29	WG2297144
1,2,3-Trichlorobenzene	U		0.00998	0.0170	1	06/02/2024 19:29	WG2297144
1,2,4-Trichlorobenzene	U		0.00599	0.0170	1	06/02/2024 19:29	WG2297144
1,1,1-Trichloroethane	U		0.00126	0.00340	1	06/02/2024 19:29	WG2297144
1,1,2-Trichloroethane	U		0.000812	0.00340	1	06/02/2024 19:29	WG2297144
Trichloroethene	U		0.000795	0.00136	1	06/02/2024 19:29	WG2297144
Trichlorofluoromethane	U		0.00113	0.00340	1	06/02/2024 19:29	WG2297144
1,2,3-Trichloropropane	U		0.00220	0.0170	1	06/02/2024 19:29	WG2297144
1,2,4-Trimethylbenzene	U		0.00215	0.00680	1	06/02/2024 19:29	WG2297144
1,2,3-Trimethylbenzene	U		0.00215	0.00680	1	06/02/2024 19:29	WG2297144
1,3,5-Trimethylbenzene	U		0.00272	0.00680	1	06/02/2024 19:29	WG2297144
Vinyl chloride	U		0.00158	0.00340	1	06/02/2024 19:29	WG2297144
Xylenes, Total	U		0.00120	0.00885	1	06/02/2024 19:29	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 19:29*	WG2297144
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/02/2024 19:29*	WG2297144
(S) 1,2-Dichloroethane-d4	*90.7*			*70.0-130*		*06/02/2024 19:29*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.848	4.63	1	06/04/2024 16:47	WG2297499
C22-C32 Hydrocarbons	U		1.54	4.63	1	06/04/2024 16:47	WG2297499
C32-C40 Hydrocarbons	U		1.54	4.63	1	06/04/2024 16:47	WG2297499
(S) o-Terphenyl	*55.2*			*18.0-148*		*06/04/2024 16:47*	WG2297499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.0		1	05/30/2024 17:33	WG2295630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.42	B	1.35	4.08	25	05/31/2024 19:29	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*96.5*			*77.0-120*		*05/31/2024 19:29*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0596	0.0816	1	06/02/2024 19:49	WG2297144
Acrylonitrile	U		0.00589	0.0204	1	06/02/2024 19:49	WG2297144
Benzene	0.00151	J	0.000762	0.00163	1	06/02/2024 19:49	WG2297144
Bromobenzene	U		0.00147	0.0204	1	06/02/2024 19:49	WG2297144
Bromodichloromethane	U		0.00118	0.00408	1	06/02/2024 19:49	WG2297144
Bromoform	U		0.00191	0.0408	1	06/02/2024 19:49	WG2297144
Bromomethane	U		0.00321	0.0204	1	06/02/2024 19:49	WG2297144
n-Butylbenzene	U		0.00857	0.0204	1	06/02/2024 19:49	WG2297144
sec-Butylbenzene	U		0.00470	0.0204	1	06/02/2024 19:49	WG2297144
tert-Butylbenzene	U		0.00318	0.00816	1	06/02/2024 19:49	WG2297144
Carbon tetrachloride	U		0.00147	0.00816	1	06/02/2024 19:49	WG2297144
Chlorobenzene	U		0.000343	0.00408	1	06/02/2024 19:49	WG2297144
Chlorodibromomethane	U		0.000999	0.00408	1	06/02/2024 19:49	WG2297144
Chloroethane	U		0.00277	0.00816	1	06/02/2024 19:49	WG2297144
Chloroform	U		0.00168	0.00408	1	06/02/2024 19:49	WG2297144
Chloromethane	U		0.00710	0.0204	1	06/02/2024 19:49	WG2297144
2-Chlorotoluene	U		0.00141	0.00408	1	06/02/2024 19:49	WG2297144
4-Chlorotoluene	U		0.000734	0.00816	1	06/02/2024 19:49	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00636	0.0408	1	06/02/2024 19:49	WG2297144
1,2-Dibromoethane	U		0.00106	0.00408	1	06/02/2024 19:49	WG2297144
Dibromomethane	U		0.00122	0.00816	1	06/02/2024 19:49	WG2297144
1,2-Dichlorobenzene	U		0.000694	0.00816	1	06/02/2024 19:49	WG2297144
1,3-Dichlorobenzene	U		0.000979	0.00816	1	06/02/2024 19:49	WG2297144
1,4-Dichlorobenzene	U		0.00114	0.00816	1	06/02/2024 19:49	WG2297144
Dichlorodifluoromethane	U		0.00263	0.00816	1	06/02/2024 19:49	WG2297144
1,1-Dichloroethane	0.000992	J	0.000801	0.00408	1	06/02/2024 19:49	WG2297144
1,2-Dichloroethane	U		0.00106	0.00408	1	06/02/2024 19:49	WG2297144
1,1-Dichloroethene	U		0.000989	0.00408	1	06/02/2024 19:49	WG2297144
cis-1,2-Dichloroethene	U		0.00120	0.00408	1	06/02/2024 19:49	WG2297144
trans-1,2-Dichloroethene	U		0.00170	0.00816	1	06/02/2024 19:49	WG2297144
1,2-Dichloropropane	U		0.00232	0.00816	1	06/02/2024 19:49	WG2297144
1,1-Dichloropropene	U		0.00132	0.00408	1	06/02/2024 19:49	WG2297144
1,3-Dichloropropane	U		0.000818	0.00816	1	06/02/2024 19:49	WG2297144
cis-1,3-Dichloropropene	U		0.00124	0.00408	1	06/02/2024 19:49	WG2297144
trans-1,3-Dichloropropene	U		0.00186	0.00816	1	06/02/2024 19:49	WG2297144
2,2-Dichloropropane	U	J3	0.00225	0.00408	1	06/02/2024 19:49	WG2297144
Di-isopropyl ether	U		0.000669	0.00163	1	06/02/2024 19:49	WG2297144
Ethylbenzene	0.00320	J	0.00120	0.00408	1	06/02/2024 19:49	WG2297144
Hexachloro-1,3-butadiene	U		0.00979	0.0408	1	06/02/2024 19:49	WG2297144
Isopropylbenzene	0.00132	J	0.000694	0.00408	1	06/02/2024 19:49	WG2297144
p-Isopropyltoluene	U		0.00416	0.00816	1	06/02/2024 19:49	WG2297144
2-Butanone (MEK)	U		0.104	0.163	1	06/02/2024 19:49	WG2297144
Methylene Chloride	U		0.0108	0.0408	1	06/02/2024 19:49	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00372	0.0408	1	06/02/2024 19:49	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000571	0.00163	1	06/02/2024 19:49	WG2297144
Naphthalene	0.299		0.0163	0.0418	2	06/04/2024 03:07	WG2297492
n-Propylbenzene	0.00188	J	0.00155	0.00816	1	06/02/2024 19:49	WG2297144
Styrene	U		0.000374	0.0204	1	06/02/2024 19:49	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00155	0.00408	1	06/02/2024 19:49	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00113	0.00408	1	06/02/2024 19:49	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00408	1	06/02/2024 19:49	WG2297144
Tetrachloroethene	U		0.00146	0.00408	1	06/02/2024 19:49	WG2297144
Toluene	0.00796	J	0.00212	0.00816	1	06/02/2024 19:49	WG2297144
1,2,3-Trichlorobenzene	U		0.0120	0.0204	1	06/02/2024 19:49	WG2297144
1,2,4-Trichlorobenzene	U		0.00718	0.0204	1	06/02/2024 19:49	WG2297144
1,1,1-Trichloroethane	U		0.00151	0.00408	1	06/02/2024 19:49	WG2297144
1,1,2-Trichloroethane	U		0.000974	0.00408	1	06/02/2024 19:49	WG2297144
Trichloroethene	U		0.000953	0.00163	1	06/02/2024 19:49	WG2297144
Trichlorofluoromethane	U		0.00135	0.00408	1	06/02/2024 19:49	WG2297144
1,2,3-Trichloropropane	U		0.00264	0.0204	1	06/02/2024 19:49	WG2297144
1,2,4-Trimethylbenzene	0.00591	J	0.00258	0.00816	1	06/02/2024 19:49	WG2297144
1,2,3-Trimethylbenzene	0.00432	J	0.00258	0.00816	1	06/02/2024 19:49	WG2297144
1,3,5-Trimethylbenzene	0.00470	J	0.00326	0.00816	1	06/02/2024 19:49	WG2297144
Vinyl chloride	U		0.00189	0.00408	1	06/02/2024 19:49	WG2297144
Xylenes, Total	0.00948	J	0.00144	0.0106	1	06/02/2024 19:49	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 19:49*	WG2297144
(S) Toluene-d8	*98.9*			*75.0-131*		*06/04/2024 03:07*	WG2297492
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*06/02/2024 19:49*	WG2297144
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/04/2024 03:07*	WG2297492
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*06/02/2024 19:49*	WG2297144
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*06/04/2024 03:07*	WG2297492

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	257	J	47.7	260	50	06/04/2024 21:12	WG2297499
C22-C32 Hydrocarbons	456		86.4	260	50	06/04/2024 21:12	WG2297499
C32-C40 Hydrocarbons	311		86.4	260	50	06/04/2024 21:12	WG2297499
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/04/2024 21:12*	WG2297499

Sample Narrative:

L1740668-07 WG2297499: Cannot run at lower dilution due to viscosity of extract.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	05/30/2024 17:33	WG2295630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	97.2		1.46	4.40	28.7	05/31/2024 19:49	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*05/31/2024 19:49*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.644	0.881	11.5	06/02/2024 20:09	WG2297144
Acrylonitrile	U		0.0636	0.221	11.5	06/02/2024 20:09	WG2297144
Benzene	0.0366		0.00823	0.0176	11.5	06/02/2024 20:09	WG2297144
Bromobenzene	U		0.0159	0.221	11.5	06/02/2024 20:09	WG2297144
Bromodichloromethane	U		0.0128	0.0441	11.5	06/02/2024 20:09	WG2297144
Bromoform	U		0.0207	0.441	11.5	06/02/2024 20:09	WG2297144
Bromomethane	U		0.0348	0.221	11.5	06/02/2024 20:09	WG2297144
n-Butylbenzene	0.454		0.0926	0.221	11.5	06/02/2024 20:09	WG2297144
sec-Butylbenzene	0.228		0.0507	0.221	11.5	06/02/2024 20:09	WG2297144
tert-Butylbenzene	0.0388	J	0.0343	0.0881	11.5	06/02/2024 20:09	WG2297144
Carbon tetrachloride	U		0.0158	0.0881	11.5	06/02/2024 20:09	WG2297144
Chlorobenzene	U		0.00371	0.0441	11.5	06/02/2024 20:09	WG2297144
Chlorodibromomethane	U		0.0108	0.0441	11.5	06/02/2024 20:09	WG2297144
Chloroethane	U		0.0300	0.0881	11.5	06/02/2024 20:09	WG2297144
Chloroform	U		0.0181	0.0441	11.5	06/02/2024 20:09	WG2297144
Chloromethane	U		0.0766	0.221	11.5	06/02/2024 20:09	WG2297144
2-Chlorotoluene	U		0.0152	0.0441	11.5	06/02/2024 20:09	WG2297144
4-Chlorotoluene	U		0.00794	0.0881	11.5	06/02/2024 20:09	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.0688	0.441	11.5	06/02/2024 20:09	WG2297144
1,2-Dibromoethane	U		0.0114	0.0441	11.5	06/02/2024 20:09	WG2297144
Dibromomethane	U		0.0132	0.0881	11.5	06/02/2024 20:09	WG2297144
1,2-Dichlorobenzene	U		0.00749	0.0881	11.5	06/02/2024 20:09	WG2297144
1,3-Dichlorobenzene	U		0.0106	0.0881	11.5	06/02/2024 20:09	WG2297144
1,4-Dichlorobenzene	U		0.0123	0.0881	11.5	06/02/2024 20:09	WG2297144
Dichlorodifluoromethane	U		0.0283	0.0881	11.5	06/02/2024 20:09	WG2297144
1,1-Dichloroethane	U		0.00866	0.0441	11.5	06/02/2024 20:09	WG2297144
1,2-Dichloroethane	U		0.0114	0.0441	11.5	06/02/2024 20:09	WG2297144
1,1-Dichloroethene	U		0.0107	0.0441	11.5	06/02/2024 20:09	WG2297144
cis-1,2-Dichloroethene	U		0.0129	0.0441	11.5	06/02/2024 20:09	WG2297144
trans-1,2-Dichloroethene	U		0.0184	0.0881	11.5	06/02/2024 20:09	WG2297144
1,2-Dichloropropane	U		0.0250	0.0881	11.5	06/02/2024 20:09	WG2297144
1,1-Dichloropropene	U		0.0143	0.0441	11.5	06/02/2024 20:09	WG2297144
1,3-Dichloropropane	U		0.00883	0.0881	11.5	06/02/2024 20:09	WG2297144
cis-1,3-Dichloropropene	U		0.0133	0.0441	11.5	06/02/2024 20:09	WG2297144
trans-1,3-Dichloropropene	U		0.0201	0.0881	11.5	06/02/2024 20:09	WG2297144
2,2-Dichloropropane	U	J3	0.0244	0.0441	11.5	06/02/2024 20:09	WG2297144
Di-isopropyl ether	U		0.00723	0.0176	11.5	06/02/2024 20:09	WG2297144
Ethylbenzene	0.207		0.0130	0.0441	11.5	06/02/2024 20:09	WG2297144
Hexachloro-1,3-butadiene	U		0.106	0.441	11.5	06/02/2024 20:09	WG2297144
Isopropylbenzene	0.139		0.00749	0.0441	11.5	06/02/2024 20:09	WG2297144
p-Isopropyltoluene	0.357		0.0449	0.0881	11.5	06/02/2024 20:09	WG2297144
2-Butanone (MEK)	U		1.12	1.76	11.5	06/02/2024 20:09	WG2297144
Methylene Chloride	U		0.117	0.441	11.5	06/02/2024 20:09	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.0401	0.441	11.5	06/02/2024 20:09	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00618	0.0176	11.5	06/02/2024 20:09	WG2297144
Naphthalene	2.68		0.0860	0.221	11.5	06/02/2024 20:09	WG2297144
n-Propylbenzene	0.228		0.0167	0.0881	11.5	06/02/2024 20:09	WG2297144
Styrene	U		0.00403	0.221	11.5	06/02/2024 20:09	WG2297144
1,1,1,2-Tetrachloroethane	U		0.0167	0.0441	11.5	06/02/2024 20:09	WG2297144
1,1,2,2-Tetrachloroethane	U		0.0122	0.0441	11.5	06/02/2024 20:09	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.0133	0.0441	11.5	06/02/2024 20:09	WG2297144
Tetrachloroethene	U		0.0158	0.0441	11.5	06/02/2024 20:09	WG2297144
Toluene	0.0616	J	0.0230	0.0881	11.5	06/02/2024 20:09	WG2297144
1,2,3-Trichlorobenzene	U		0.129	0.221	11.5	06/02/2024 20:09	WG2297144
1,2,4-Trichlorobenzene	U		0.0775	0.221	11.5	06/02/2024 20:09	WG2297144
1,1,1-Trichloroethane	U		0.0162	0.0441	11.5	06/02/2024 20:09	WG2297144
1,1,2-Trichloroethane	U		0.0105	0.0441	11.5	06/02/2024 20:09	WG2297144
Trichloroethene	U		0.0103	0.0176	11.5	06/02/2024 20:09	WG2297144
Trichlorofluoromethane	U		0.0146	0.0441	11.5	06/02/2024 20:09	WG2297144
1,2,3-Trichloropropane	U		0.0285	0.221	11.5	06/02/2024 20:09	WG2297144
1,2,4-Trimethylbenzene	0.512		0.0279	0.0881	11.5	06/02/2024 20:09	WG2297144
1,2,3-Trimethylbenzene	1.37		0.0279	0.0881	11.5	06/02/2024 20:09	WG2297144
1,3,5-Trimethylbenzene	0.190		0.0352	0.0881	11.5	06/02/2024 20:09	WG2297144
Vinyl chloride	U		0.0204	0.0441	11.5	06/02/2024 20:09	WG2297144
Xylenes, Total	0.294		0.0155	0.115	11.5	06/02/2024 20:09	WG2297144
(S) Toluene-d8	*99.0*			*75.0-131*		*06/02/2024 20:09*	WG2297144
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/02/2024 20:09*	WG2297144
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*06/02/2024 20:09*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	7040		94.2	514	100	06/04/2024 20:58	WG2297499
C22-C32 Hydrocarbons	5040		171	514	100	06/04/2024 20:58	WG2297499
C32-C40 Hydrocarbons	2540		171	514	100	06/04/2024 20:58	WG2297499
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/04/2024 20:58*	WG2297499

Sample Narrative:

L1740668-08 WG2297499: Dilution due to matrix impact during concentration procedure. Surrogate failure due to matrix.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	13.5	J	11.3	50.0	1	06/05/2024 10:22	WG2298107
Acrolein	U		2.54	50.0	1	06/05/2024 10:22	WG2298107
Acrylonitrile	U		0.671	10.0	1	06/05/2024 10:22	WG2298107
Benzene	U		0.0941	1.00	1	06/05/2024 10:22	WG2298107
Bromobenzene	U		0.118	1.00	1	06/05/2024 10:22	WG2298107
Bromodichloromethane	U		0.136	1.00	1	06/05/2024 10:22	WG2298107
Bromoform	U		0.129	1.00	1	06/05/2024 10:22	WG2298107
Bromomethane	U	J4	0.605	5.00	1	06/05/2024 10:22	WG2298107
n-Butylbenzene	U		0.157	1.00	1	06/05/2024 10:22	WG2298107
sec-Butylbenzene	U		0.125	1.00	1	06/05/2024 10:22	WG2298107
tert-Butylbenzene	U		0.127	1.00	1	06/05/2024 10:22	WG2298107
Carbon tetrachloride	U		0.128	1.00	1	06/05/2024 10:22	WG2298107
Chlorobenzene	U		0.116	1.00	1	06/05/2024 10:22	WG2298107
Chlorodibromomethane	U		0.140	1.00	1	06/05/2024 10:22	WG2298107
Chloroethane	U		0.192	5.00	1	06/05/2024 10:22	WG2298107
Chloroform	U		0.111	5.00	1	06/05/2024 10:22	WG2298107
Chloromethane	U		0.960	2.50	1	06/05/2024 10:22	WG2298107
2-Chlorotoluene	U		0.106	1.00	1	06/05/2024 10:22	WG2298107
4-Chlorotoluene	U		0.114	1.00	1	06/05/2024 10:22	WG2298107
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/05/2024 10:22	WG2298107
1,2-Dibromoethane	U		0.126	1.00	1	06/05/2024 10:22	WG2298107
Dibromomethane	U		0.122	1.00	1	06/05/2024 10:22	WG2298107
1,2-Dichlorobenzene	U		0.107	1.00	1	06/05/2024 10:22	WG2298107
1,3-Dichlorobenzene	U		0.110	1.00	1	06/05/2024 10:22	WG2298107
1,4-Dichlorobenzene	U		0.120	1.00	1	06/05/2024 10:22	WG2298107
Dichlorodifluoromethane	U		0.374	5.00	1	06/05/2024 10:22	WG2298107
1,1-Dichloroethane	U		0.100	1.00	1	06/05/2024 10:22	WG2298107
1,2-Dichloroethane	U		0.0819	1.00	1	06/05/2024 10:22	WG2298107
1,1-Dichloroethene	U		0.188	1.00	1	06/05/2024 10:22	WG2298107
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/05/2024 10:22	WG2298107
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/05/2024 10:22	WG2298107
1,2-Dichloropropane	U		0.149	1.00	1	06/05/2024 10:22	WG2298107
1,1-Dichloropropene	U		0.142	1.00	1	06/05/2024 10:22	WG2298107
1,3-Dichloropropane	U		0.110	1.00	1	06/05/2024 10:22	WG2298107
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/05/2024 10:22	WG2298107
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/05/2024 10:22	WG2298107
2,2-Dichloropropane	U		0.161	1.00	1	06/05/2024 10:22	WG2298107
Di-isopropyl ether	U		0.105	1.00	1	06/05/2024 10:22	WG2298107
Ethylbenzene	U		0.137	1.00	1	06/05/2024 10:22	WG2298107
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/05/2024 10:22	WG2298107
Isopropylbenzene	U		0.105	1.00	1	06/05/2024 10:22	WG2298107
p-Isopropyltoluene	U		0.120	1.00	1	06/05/2024 10:22	WG2298107
2-Butanone (MEK)	U		1.19	10.0	1	06/05/2024 10:22	WG2298107
Methylene Chloride	0.509	J	0.430	5.00	1	06/05/2024 10:22	WG2298107
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/05/2024 10:22	WG2298107
Methyl tert-butyl ether	U		0.101	1.00	1	06/05/2024 10:22	WG2298107
Naphthalene	U		1.00	5.00	1	06/05/2024 10:22	WG2298107
n-Propylbenzene	U		0.0993	1.00	1	06/05/2024 10:22	WG2298107
Styrene	U		0.118	1.00	1	06/05/2024 10:22	WG2298107
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/05/2024 10:22	WG2298107
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/05/2024 10:22	WG2298107
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/05/2024 10:22	WG2298107
Tetrachloroethene	U		0.300	1.00	1	06/05/2024 10:22	WG2298107
Toluene	U		0.278	1.00	1	06/05/2024 10:22	WG2298107
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/05/2024 10:22	WG2298107
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/05/2024 10:22	WG2298107

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/05/2024 10:22	WG2298107
1,1,2-Trichloroethane	U		0.158	1.00	1	06/05/2024 10:22	WG2298107
Trichloroethene	U		0.190	1.00	1	06/05/2024 10:22	WG2298107
Trichlorofluoromethane	U		0.160	5.00	1	06/05/2024 10:22	WG2298107
1,2,3-Trichloropropane	U		0.237	2.50	1	06/05/2024 10:22	WG2298107
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/05/2024 10:22	WG2298107
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 10:22	WG2298107
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 10:22	WG2298107
Vinyl chloride	U		0.234	1.00	1	06/05/2024 10:22	WG2298107
Xylenes, Total	U		0.174	3.00	1	06/05/2024 10:22	WG2298107
(S) Toluene-d8	*108*			*80.0-120*		*06/05/2024 10:22*	WG2298107
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*06/05/2024 10:22*	WG2298107
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/05/2024 10:22*	WG2298107

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/03/2024 10:19	WG2293966

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/26/2024 18:16	WG2298963
Arsenic	U		0.180	2.00	1	06/26/2024 18:16	WG2298963
Barium	U		0.381	2.00	1	06/26/2024 18:16	WG2298963
Beryllium	U		0.190	2.00	1	06/26/2024 18:16	WG2298963
Cadmium	U		0.150	1.00	1	06/26/2024 18:16	WG2298963
Chromium	U		1.24	2.00	1	06/26/2024 18:16	WG2298963
Copper	U		1.51	5.00	1	06/26/2024 18:16	WG2298963
Cobalt	U		0.0596	2.00	1	06/26/2024 18:16	WG2298963
Lead	U		0.849	2.00	1	06/26/2024 18:16	WG2298963
Molybdenum	U		0.348	5.00	1	06/26/2024 18:16	WG2298963
Nickel	U		0.816	2.00	1	06/26/2024 18:16	WG2298963
Selenium	U		0.300	2.00	1	06/26/2024 18:16	WG2298963
Silver	U		0.0700	2.00	1	06/26/2024 18:16	WG2298963
Thallium	U		0.121	2.00	1	06/26/2024 18:16	WG2298963
Vanadium	U		0.664	5.00	1	06/26/2024 18:16	WG2298963
Zinc	U		3.02	25.0	1	06/26/2024 18:16	WG2298963

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	64.4	B J	30.4	100	1	06/02/2024 14:57	WG2297105
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*78.0-120*		*06/02/2024 14:57*	WG2297105

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/05/2024 11:05	WG2298107
Acrolein	U		2.54	50.0	1	06/05/2024 11:05	WG2298107
Acrylonitrile	U		0.671	10.0	1	06/05/2024 11:05	WG2298107
Benzene	U		0.0941	1.00	1	06/05/2024 11:05	WG2298107
Bromobenzene	U		0.118	1.00	1	06/05/2024 11:05	WG2298107
Bromodichloromethane	U		0.136	1.00	1	06/05/2024 11:05	WG2298107
Bromoform	U		0.129	1.00	1	06/05/2024 11:05	WG2298107
Bromomethane	U	J4	0.605	5.00	1	06/05/2024 11:05	WG2298107
n-Butylbenzene	U		0.157	1.00	1	06/05/2024 11:05	WG2298107
sec-Butylbenzene	U		0.125	1.00	1	06/05/2024 11:05	WG2298107
tert-Butylbenzene	U		0.127	1.00	1	06/05/2024 11:05	WG2298107
Carbon tetrachloride	U		0.128	1.00	1	06/05/2024 11:05	WG2298107
Chlorobenzene	U		0.116	1.00	1	06/05/2024 11:05	WG2298107
Chlorodibromomethane	U		0.140	1.00	1	06/05/2024 11:05	WG2298107
Chloroethane	U		0.192	5.00	1	06/05/2024 11:05	WG2298107
Chloroform	U		0.111	5.00	1	06/05/2024 11:05	WG2298107
Chloromethane	U		0.960	2.50	1	06/05/2024 11:05	WG2298107
2-Chlorotoluene	U		0.106	1.00	1	06/05/2024 11:05	WG2298107
4-Chlorotoluene	U		0.114	1.00	1	06/05/2024 11:05	WG2298107
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/05/2024 11:05	WG2298107
1,2-Dibromoethane	U		0.126	1.00	1	06/05/2024 11:05	WG2298107
Dibromomethane	U		0.122	1.00	1	06/05/2024 11:05	WG2298107
1,2-Dichlorobenzene	U		0.107	1.00	1	06/05/2024 11:05	WG2298107

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichlorobenzene	U		0.110	1.00	1	06/05/2024 11:05	WG2298107
1,4-Dichlorobenzene	U		0.120	1.00	1	06/05/2024 11:05	WG2298107
Dichlorodifluoromethane	U		0.374	5.00	1	06/05/2024 11:05	WG2298107
1,1-Dichloroethane	U		0.100	1.00	1	06/05/2024 11:05	WG2298107
1,2-Dichloroethane	U		0.0819	1.00	1	06/05/2024 11:05	WG2298107
1,1-Dichloroethene	U		0.188	1.00	1	06/05/2024 11:05	WG2298107
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/05/2024 11:05	WG2298107
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/05/2024 11:05	WG2298107
1,2-Dichloropropane	U		0.149	1.00	1	06/05/2024 11:05	WG2298107
1,1-Dichloropropene	U		0.142	1.00	1	06/05/2024 11:05	WG2298107
1,3-Dichloropropane	U		0.110	1.00	1	06/05/2024 11:05	WG2298107
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/05/2024 11:05	WG2298107
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/05/2024 11:05	WG2298107
2,2-Dichloropropane	U		0.161	1.00	1	06/05/2024 11:05	WG2298107
Di-isopropyl ether	U		0.105	1.00	1	06/05/2024 11:05	WG2298107
Ethylbenzene	U		0.137	1.00	1	06/05/2024 11:05	WG2298107
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/05/2024 11:05	WG2298107
Isopropylbenzene	U		0.105	1.00	1	06/05/2024 11:05	WG2298107
p-Isopropyltoluene	U		0.120	1.00	1	06/05/2024 11:05	WG2298107
2-Butanone (MEK)	U		1.19	10.0	1	06/05/2024 11:05	WG2298107
Methylene Chloride	U		0.430	5.00	1	06/05/2024 11:05	WG2298107
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/05/2024 11:05	WG2298107
Methyl tert-butyl ether	U		0.101	1.00	1	06/05/2024 11:05	WG2298107
Naphthalene	U		1.00	5.00	1	06/05/2024 11:05	WG2298107
n-Propylbenzene	U		0.0993	1.00	1	06/05/2024 11:05	WG2298107
Styrene	U		0.118	1.00	1	06/05/2024 11:05	WG2298107
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/05/2024 11:05	WG2298107
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/05/2024 11:05	WG2298107
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/05/2024 11:05	WG2298107
Tetrachloroethene	U		0.300	1.00	1	06/05/2024 11:05	WG2298107
Toluene	U		0.278	1.00	1	06/05/2024 11:05	WG2298107
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/05/2024 11:05	WG2298107
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/05/2024 11:05	WG2298107
1,1,1-Trichloroethane	U		0.149	1.00	1	06/05/2024 11:05	WG2298107
1,1,2-Trichloroethane	U		0.158	1.00	1	06/05/2024 11:05	WG2298107
Trichloroethene	U		0.190	1.00	1	06/05/2024 11:05	WG2298107
Trichlorofluoromethane	U		0.160	5.00	1	06/05/2024 11:05	WG2298107
1,2,3-Trichloropropane	U		0.237	2.50	1	06/05/2024 11:05	WG2298107
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/05/2024 11:05	WG2298107
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 11:05	WG2298107
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 11:05	WG2298107
Vinyl chloride	U		0.234	1.00	1	06/05/2024 11:05	WG2298107
Xylenes, Total	U		0.174	3.00	1	06/05/2024 11:05	WG2298107
(S) Toluene-d8	*107*			*80.0-120*		*06/05/2024 11:05*	WG2298107
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/05/2024 11:05*	WG2298107
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*06/05/2024 11:05*	WG2298107

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	41.4	B J	33.0	100	1	05/31/2024 15:52	WG2295250
C22-C32 Hydrocarbons	U		33.0	100	1	05/31/2024 15:52	WG2295250
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 15:52	WG2295250
(S) o-Terphenyl	*63.2*			*52.0-156*		*05/31/2024 15:52*	WG2295250

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	05/30/2024 17:33	WG2295630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.126		0.0197	0.0437	1	05/31/2024 15:48	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.62		0.594	2.18	1	06/11/2024 15:22	WG2298288
Arsenic	4.66		0.566	2.18	1	06/11/2024 15:22	WG2298288
Barium	105		0.0930	0.546	1	06/11/2024 15:22	WG2298288
Beryllium	0.120	J	0.0344	0.218	1	06/11/2024 15:22	WG2298288
Cadmium	0.360	J	0.0514	0.546	1	06/11/2024 15:22	WG2298288
Chromium	21.6		0.145	1.09	1	06/11/2024 15:22	WG2298288
Cobalt	7.88		0.0886	1.09	1	06/11/2024 15:22	WG2298288
Copper	36.4		0.437	2.18	1	06/11/2024 15:22	WG2298288
Lead	110		0.227	0.546	1	06/11/2024 15:22	WG2298288
Molybdenum	0.484	J	0.119	0.546	1	06/11/2024 15:22	WG2298288
Nickel	28.2		0.144	2.18	1	06/11/2024 15:22	WG2298288
Selenium	U		0.834	2.18	1	06/11/2024 15:22	WG2298288
Silver	0.829	J	0.139	1.09	1	06/11/2024 15:22	WG2298288
Thallium	U		0.430	2.18	1	06/11/2024 15:22	WG2298288
Vanadium	24.6		0.553	2.18	1	06/11/2024 15:22	WG2298288
Zinc	90.0		0.909	5.46	1	06/11/2024 15:22	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.36	J	0.985	2.97	25	06/07/2024 07:49	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/07/2024 07:49*	WG2300368

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0371	1	06/03/2024 17:36	WG2297369
PCB 1221	U		0.0129	0.0371	1	06/03/2024 17:36	WG2297369
PCB 1232	U		0.0129	0.0371	1	06/03/2024 17:36	WG2297369
PCB 1242	U		0.0129	0.0371	1	06/03/2024 17:36	WG2297369
PCB 1248	U		0.00806	0.0186	1	06/03/2024 17:36	WG2297369
PCB 1254	U		0.00806	0.0186	1	06/03/2024 17:36	WG2297369
PCB 1260	U		0.00806	0.0186	1	06/03/2024 17:36	WG2297369
(S) Decachlorobiphenyl	*56.4*			*10.0-135*		*06/03/2024 17:36*	WG2297369
(S) Tetrachloro-m-xylene	*69.2*			*10.0-139*		*06/03/2024 17:36*	WG2297369

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.118	0.727	20	06/07/2024 03:37	WG2299526
Acenaphthylene	U		0.102	0.727	20	06/07/2024 03:37	WG2299526
Anthracene	U		0.130	0.727	20	06/07/2024 03:37	WG2299526
Benzidine	U		1.36	36.5	20	06/07/2024 03:37	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.128	0.727	20	06/07/2024 03:37	WG2299526
Benzo(b)fluoranthene	U		0.135	0.727	20	06/07/2024 03:37	WG2299526
Benzo(k)fluoranthene	U		0.129	0.727	20	06/07/2024 03:37	WG2299526
Benzo(g,h,i)perylene	U		0.133	0.727	20	06/07/2024 03:37	WG2299526
Benzo(a)pyrene	U		0.135	0.727	20	06/07/2024 03:37	WG2299526
Bis(2-chlorethoxy)methane	U		0.218	7.27	20	06/07/2024 03:37	WG2299526
Bis(2-chloroethyl)ether	U		0.240	7.27	20	06/07/2024 03:37	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.314	7.27	20	06/07/2024 03:37	WG2299526
4-Bromophenyl-phenylether	U		0.256	7.27	20	06/07/2024 03:37	WG2299526
2-Chloronaphthalene	U		0.128	0.727	20	06/07/2024 03:37	WG2299526
4-Chlorophenyl-phenylether	U		0.253	7.27	20	06/07/2024 03:37	WG2299526
Chrysene	U		0.144	0.727	20	06/07/2024 03:37	WG2299526
Dibenz(a,h)anthracene	U		0.202	0.727	20	06/07/2024 03:37	WG2299526
1,2-Dichlorobenzene	U		0.215	7.27	20	06/07/2024 03:37	WG2299526
1,3-Dichlorobenzene	U		0.221	7.27	20	06/07/2024 03:37	WG2299526
1,4-Dichlorobenzene	U		0.216	7.27	20	06/07/2024 03:37	WG2299526
3,3-Dichlorobenzidine	U		0.269	7.27	20	06/07/2024 03:37	WG2299526
2,4-Dinitrotoluene	U		0.209	7.27	20	06/07/2024 03:37	WG2299526
2,6-Dinitrotoluene	U		0.238	7.27	20	06/07/2024 03:37	WG2299526
Fluoranthene	U		0.131	0.727	20	06/07/2024 03:37	WG2299526
Fluorene	U		0.118	0.727	20	06/07/2024 03:37	WG2299526
Hexachlorobenzene	U		0.258	7.27	20	06/07/2024 03:37	WG2299526
Hexachloro-1,3-butadiene	U		0.245	7.27	20	06/07/2024 03:37	WG2299526
Hexachlorocyclopentadiene	U		0.382	7.27	20	06/07/2024 03:37	WG2299526
Hexachloroethane	U		0.286	7.27	20	06/07/2024 03:37	WG2299526
Indeno(1,2,3-cd)pyrene	U		0.205	0.727	20	06/07/2024 03:37	WG2299526
Isophorone	U		0.223	7.27	20	06/07/2024 03:37	WG2299526
Naphthalene	U		0.182	0.727	20	06/07/2024 03:37	WG2299526
Nitrobenzene	U		0.253	7.27	20	06/07/2024 03:37	WG2299526
n-Nitrosodimethylamine	U		1.08	7.27	20	06/07/2024 03:37	WG2299526
n-Nitrosodiphenylamine	U		0.550	7.27	20	06/07/2024 03:37	WG2299526
n-Nitrosodi-n-propylamine	U		0.242	7.27	20	06/07/2024 03:37	WG2299526
Phenanthrene	U		0.144	0.727	20	06/07/2024 03:37	WG2299526
Benzylbutyl phthalate	U		0.227	7.27	20	06/07/2024 03:37	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.922	7.27	20	06/07/2024 03:37	WG2299526
Di-n-butyl phthalate	U		0.249	7.27	20	06/07/2024 03:37	WG2299526
Diethyl phthalate	U		0.240	7.27	20	06/07/2024 03:37	WG2299526
Dimethyl phthalate	U		1.54	7.27	20	06/07/2024 03:37	WG2299526
Di-n-octyl phthalate	U		0.491	7.27	20	06/07/2024 03:37	WG2299526
Pyrene	U		0.142	0.727	20	06/07/2024 03:37	WG2299526
1,2,4-Trichlorobenzene	U		0.227	7.27	20	06/07/2024 03:37	WG2299526
4-Chloro-3-methylphenol	U		0.236	7.27	20	06/07/2024 03:37	WG2299526
2-Chlorophenol	U		0.240	7.27	20	06/07/2024 03:37	WG2299526
2,4-Dichlorophenol	U		0.212	7.27	20	06/07/2024 03:37	WG2299526
2,4-Dimethylphenol	U		0.190	7.27	20	06/07/2024 03:37	WG2299526
4,6-Dinitro-2-methylphenol	U		1.65	7.27	20	06/07/2024 03:37	WG2299526
2,4-Dinitrophenol	U		1.70	7.27	20	06/07/2024 03:37	WG2299526
2-Nitrophenol	U		0.260	7.27	20	06/07/2024 03:37	WG2299526
4-Nitrophenol	U		0.227	7.27	20	06/07/2024 03:37	WG2299526
Pentachlorophenol	U		0.195	7.27	20	06/07/2024 03:37	WG2299526
Phenol	U		0.293	7.27	20	06/07/2024 03:37	WG2299526
2,4,6-Trichlorophenol	U		0.234	7.27	20	06/07/2024 03:37	WG2299526
(S) 2-Fluorophenol	*83.7*	J7		*12.0-120*		*06/07/2024 03:37*	WG2299526
(S) Phenol-d5	*70.0*	J7		*10.0-120*		*06/07/2024 03:37*	WG2299526
(S) Nitrobenzene-d5	*74.9*	J7		*10.0-122*		*06/07/2024 03:37*	WG2299526
(S) 2-Fluorobiphenyl	*70.4*	J7		*15.0-120*		*06/07/2024 03:37*	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*73.5*	J7		*10.0-127*		*06/07/2024 03:37*	WG2299526
(S) p-Terphenyl-d14	*67.1*	J7		*10.0-120*		*06/07/2024 03:37*	WG2299526

Sample Narrative:

L1740668-11 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	05/30/2024 17:33	WG2295630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0899		0.0200	0.0444	1	05/31/2024 15:50	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.68	J	0.604	2.22	1	06/11/2024 15:23	WG2298288
Arsenic	5.43		0.576	2.22	1	06/11/2024 15:23	WG2298288
Barium	159		0.0947	0.556	1	06/11/2024 15:23	WG2298288
Beryllium	0.264		0.0350	0.222	1	06/11/2024 15:23	WG2298288
Cadmium	0.539	J	0.0523	0.556	1	06/11/2024 15:23	WG2298288
Chromium	26.8		0.148	1.11	1	06/11/2024 15:23	WG2298288
Cobalt	9.95		0.0901	1.11	1	06/11/2024 15:23	WG2298288
Copper	53.6		0.444	2.22	1	06/11/2024 15:23	WG2298288
Lead	141		0.231	0.556	1	06/11/2024 15:23	WG2298288
Molybdenum	0.431	J	0.121	0.556	1	06/11/2024 15:23	WG2298288
Nickel	31.1		0.147	2.22	1	06/11/2024 15:23	WG2298288
Selenium	U		0.849	2.22	1	06/11/2024 15:23	WG2298288
Silver	0.654	J	0.141	1.11	1	06/11/2024 15:23	WG2298288
Thallium	U		0.438	2.22	1	06/11/2024 15:23	WG2298288
Vanadium	33.1		0.562	2.22	1	06/11/2024 15:23	WG2298288
Zinc	141		0.924	5.56	1	06/11/2024 15:23	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.52	J	1.02	3.06	25	06/07/2024 08:13	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-120*		*06/07/2024 08:13*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0447	0.0612	1	06/02/2024 20:28	WG2297144
Acrylonitrile	U		0.00442	0.0153	1	06/02/2024 20:28	WG2297144
Benzene	U		0.000572	0.00122	1	06/02/2024 20:28	WG2297144
Bromobenzene	U		0.00110	0.0153	1	06/02/2024 20:28	WG2297144
Bromodichloromethane	U		0.000888	0.00306	1	06/02/2024 20:28	WG2297144
Bromoform	U		0.00143	0.0306	1	06/02/2024 20:28	WG2297144
Bromomethane	U		0.00241	0.0153	1	06/02/2024 20:28	WG2297144
n-Butylbenzene	U		0.00643	0.0153	1	06/02/2024 20:28	WG2297144
sec-Butylbenzene	U		0.00353	0.0153	1	06/02/2024 20:28	WG2297144
tert-Butylbenzene	U		0.00239	0.00612	1	06/02/2024 20:28	WG2297144
Carbon tetrachloride	U		0.00110	0.00612	1	06/02/2024 20:28	WG2297144
Chlorobenzene	U		0.000257	0.00306	1	06/02/2024 20:28	WG2297144
Chlorodibromomethane	U		0.000749	0.00306	1	06/02/2024 20:28	WG2297144
Chloroethane	U		0.00208	0.00612	1	06/02/2024 20:28	WG2297144
Chloroform	U		0.00126	0.00306	1	06/02/2024 20:28	WG2297144
Chloromethane	U		0.00533	0.0153	1	06/02/2024 20:28	WG2297144
2-Chlorotoluene	U		0.00106	0.00306	1	06/02/2024 20:28	WG2297144
4-Chlorotoluene	U		0.000551	0.00612	1	06/02/2024 20:28	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00478	0.0306	1	06/02/2024 20:28	WG2297144
1,2-Dibromoethane	U		0.000793	0.00306	1	06/02/2024 20:28	WG2297144
Dibromomethane	U		0.000918	0.00612	1	06/02/2024 20:28	WG2297144
1,2-Dichlorobenzene	U		0.000520	0.00612	1	06/02/2024 20:28	WG2297144
1,3-Dichlorobenzene	U		0.000735	0.00612	1	06/02/2024 20:28	WG2297144
1,4-Dichlorobenzene	U		0.000857	0.00612	1	06/02/2024 20:28	WG2297144
Dichlorodifluoromethane	U		0.00197	0.00612	1	06/02/2024 20:28	WG2297144
1,1-Dichloroethane	U		0.000601	0.00306	1	06/02/2024 20:28	WG2297144
1,2-Dichloroethane	U		0.000795	0.00306	1	06/02/2024 20:28	WG2297144
1,1-Dichloroethene	U		0.000742	0.00306	1	06/02/2024 20:28	WG2297144
cis-1,2-Dichloroethene	U		0.000899	0.00306	1	06/02/2024 20:28	WG2297144
trans-1,2-Dichloroethene	U		0.00127	0.00612	1	06/02/2024 20:28	WG2297144
1,2-Dichloropropane	U		0.00174	0.00612	1	06/02/2024 20:28	WG2297144
1,1-Dichloropropene	U		0.000991	0.00306	1	06/02/2024 20:28	WG2297144
1,3-Dichloropropane	U		0.000613	0.00612	1	06/02/2024 20:28	WG2297144
cis-1,3-Dichloropropene	U		0.000927	0.00306	1	06/02/2024 20:28	WG2297144
trans-1,3-Dichloropropene	U		0.00140	0.00612	1	06/02/2024 20:28	WG2297144
2,2-Dichloropropane	U	J3	0.00169	0.00306	1	06/02/2024 20:28	WG2297144
Di-isopropyl ether	U		0.000502	0.00122	1	06/02/2024 20:28	WG2297144
Ethylbenzene	U		0.000902	0.00306	1	06/02/2024 20:28	WG2297144
Hexachloro-1,3-butadiene	U		0.00735	0.0306	1	06/02/2024 20:28	WG2297144
Isopropylbenzene	U		0.000520	0.00306	1	06/02/2024 20:28	WG2297144
p-Isopropyltoluene	U		0.00312	0.00612	1	06/02/2024 20:28	WG2297144
2-Butanone (MEK)	U		0.0778	0.122	1	06/02/2024 20:28	WG2297144
Methylene Chloride	U		0.00813	0.0306	1	06/02/2024 20:28	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00279	0.0306	1	06/02/2024 20:28	WG2297144
Methyl tert-butyl ether	U		0.000429	0.00122	1	06/02/2024 20:28	WG2297144
Naphthalene	0.0167		0.00598	0.0153	1	06/02/2024 20:28	WG2297144
n-Propylbenzene	U		0.00116	0.00612	1	06/02/2024 20:28	WG2297144
Styrene	U		0.000280	0.0153	1	06/02/2024 20:28	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00116	0.00306	1	06/02/2024 20:28	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000851	0.00306	1	06/02/2024 20:28	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.000923	0.00306	1	06/02/2024 20:28	WG2297144
Tetrachloroethene	U		0.00110	0.00306	1	06/02/2024 20:28	WG2297144
Toluene	U		0.00159	0.00612	1	06/02/2024 20:28	WG2297144
1,2,3-Trichlorobenzene	U		0.00898	0.0153	1	06/02/2024 20:28	WG2297144
1,2,4-Trichlorobenzene	U		0.00539	0.0153	1	06/02/2024 20:28	WG2297144
1,1,1-Trichloroethane	U		0.00113	0.00306	1	06/02/2024 20:28	WG2297144
1,1,2-Trichloroethane	U		0.000731	0.00306	1	06/02/2024 20:28	WG2297144
Trichloroethene	U		0.000715	0.00122	1	06/02/2024 20:28	WG2297144
Trichlorofluoromethane	U		0.00101	0.00306	1	06/02/2024 20:28	WG2297144
1,2,3-Trichloropropane	U		0.00198	0.0153	1	06/02/2024 20:28	WG2297144
1,2,4-Trimethylbenzene	U		0.00193	0.00612	1	06/02/2024 20:28	WG2297144
1,2,3-Trimethylbenzene	U		0.00193	0.00612	1	06/02/2024 20:28	WG2297144
1,3,5-Trimethylbenzene	U		0.00245	0.00612	1	06/02/2024 20:28	WG2297144
Vinyl chloride	U		0.00142	0.00306	1	06/02/2024 20:28	WG2297144
Xylenes, Total	0.00300	J	0.00108	0.00796	1	06/02/2024 20:28	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 20:28*	WG2297144
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/02/2024 20:28*	WG2297144
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*06/02/2024 20:28*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	136	J	81.4	444	100	06/08/2024 11:21	WG2301229
C22-C32 Hydrocarbons	922		148	444	100	06/08/2024 11:21	WG2301229
C32-C40 Hydrocarbons	1090		148	444	100	06/08/2024 11:21	WG2301229
(S) o-Terphenyl	*123*	J7		*18.0-148*		*06/08/2024 11:21*	WG2301229

Sample Narrative:

L1740668-12 WG2301229: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0599	0.370	10	06/07/2024 02:37	WG2299526
Acenaphthylene	U		0.0521	0.370	10	06/07/2024 02:37	WG2299526
Anthracene	U		0.0659	0.370	10	06/07/2024 02:37	WG2299526
Benzidine	U		0.696	18.6	10	06/07/2024 02:37	WG2299526
Benzo(a)anthracene	0.211	J	0.0652	0.370	10	06/07/2024 02:37	WG2299526
Benzo(b)fluoranthene	0.480		0.0690	0.370	10	06/07/2024 02:37	WG2299526
Benzo(k)fluoranthene	0.147	J	0.0658	0.370	10	06/07/2024 02:37	WG2299526
Benzo(g,h,i)perylene	0.129	J	0.0677	0.370	10	06/07/2024 02:37	WG2299526
Benzo(a)pyrene	0.257	J	0.0688	0.370	10	06/07/2024 02:37	WG2299526
Bis(2-chlorethoxy)methane	U		0.111	3.70	10	06/07/2024 02:37	WG2299526
Bis(2-chloroethyl)ether	U		0.122	3.70	10	06/07/2024 02:37	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.160	3.70	10	06/07/2024 02:37	WG2299526
4-Bromophenyl-phenylether	U		0.130	3.70	10	06/07/2024 02:37	WG2299526
2-Chloronaphthalene	U		0.0650	0.370	10	06/07/2024 02:37	WG2299526
4-Chlorophenyl-phenylether	U		0.129	3.70	10	06/07/2024 02:37	WG2299526
Chrysene	0.330	J	0.0736	0.370	10	06/07/2024 02:37	WG2299526
Dibenz(a,h)anthracene	U		0.103	0.370	10	06/07/2024 02:37	WG2299526
1,2-Dichlorobenzene	U		0.110	3.70	10	06/07/2024 02:37	WG2299526
1,3-Dichlorobenzene	U		0.112	3.70	10	06/07/2024 02:37	WG2299526
1,4-Dichlorobenzene	U		0.110	3.70	10	06/07/2024 02:37	WG2299526
3,3-Dichlorobenzidine	U		0.137	3.70	10	06/07/2024 02:37	WG2299526
2,4-Dinitrotoluene	U		0.106	3.70	10	06/07/2024 02:37	WG2299526
2,6-Dinitrotoluene	U		0.121	3.70	10	06/07/2024 02:37	WG2299526
Fluoranthene	0.201	J	0.0668	0.370	10	06/07/2024 02:37	WG2299526
Fluorene	U		0.0602	0.370	10	06/07/2024 02:37	WG2299526
Hexachlorobenzene	U		0.131	3.70	10	06/07/2024 02:37	WG2299526
Hexachloro-1,3-butadiene	U		0.124	3.70	10	06/07/2024 02:37	WG2299526
Hexachlorocyclopentadiene	U		0.194	3.70	10	06/07/2024 02:37	WG2299526
Hexachloroethane	U		0.146	3.70	10	06/07/2024 02:37	WG2299526
Indeno(1,2,3-cd)pyrene	0.131	J	0.105	0.370	10	06/07/2024 02:37	WG2299526
Isophorone	U		0.113	3.70	10	06/07/2024 02:37	WG2299526
Naphthalene	U		0.0929	0.370	10	06/07/2024 02:37	WG2299526
Nitrobenzene	U		0.129	3.70	10	06/07/2024 02:37	WG2299526
n-Nitrosodimethylamine	U		0.549	3.70	10	06/07/2024 02:37	WG2299526
n-Nitrosodiphenylamine	U		0.280	3.70	10	06/07/2024 02:37	WG2299526
n-Nitrosodi-n-propylamine	U		0.123	3.70	10	06/07/2024 02:37	WG2299526
Phenanthrene	0.0758	J	0.0734	0.370	10	06/07/2024 02:37	WG2299526
Benzylbutyl phthalate	U		0.116	3.70	10	06/07/2024 02:37	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.469	3.70	10	06/07/2024 02:37	WG2299526
Di-n-butyl phthalate	U		0.127	3.70	10	06/07/2024 02:37	WG2299526
Diethyl phthalate	U		0.122	3.70	10	06/07/2024 02:37	WG2299526
Dimethyl phthalate	U		0.784	3.70	10	06/07/2024 02:37	WG2299526
Di-n-octyl phthalate	U		0.250	3.70	10	06/07/2024 02:37	WG2299526
Pyrene	0.269	J	0.0720	0.370	10	06/07/2024 02:37	WG2299526
1,2,4-Trichlorobenzene	U		0.116	3.70	10	06/07/2024 02:37	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.120	3.70	10	06/07/2024 02:37	WG2299526
2-Chlorophenol	U		0.122	3.70	10	06/07/2024 02:37	WG2299526
2,4-Dichlorophenol	U		0.108	3.70	10	06/07/2024 02:37	WG2299526
2,4-Dimethylphenol	U		0.0967	3.70	10	06/07/2024 02:37	WG2299526
4,6-Dinitro-2-methylphenol	U		0.839	3.70	10	06/07/2024 02:37	WG2299526
2,4-Dinitrophenol	U		0.866	3.70	10	06/07/2024 02:37	WG2299526
2-Nitrophenol	U		0.132	3.70	10	06/07/2024 02:37	WG2299526
4-Nitrophenol	U		0.116	3.70	10	06/07/2024 02:37	WG2299526
Pentachlorophenol	U		0.0996	3.70	10	06/07/2024 02:37	WG2299526
Phenol	U		0.149	3.70	10	06/07/2024 02:37	WG2299526
2,4,6-Trichlorophenol	U		0.119	3.70	10	06/07/2024 02:37	WG2299526
(S) 2-Fluorophenol	*79.8*			*12.0-120*		*06/07/2024 02:37*	WG2299526
(S) Phenol-d5	*70.7*			*10.0-120*		*06/07/2024 02:37*	WG2299526
(S) Nitrobenzene-d5	*71.0*			*10.0-122*		*06/07/2024 02:37*	WG2299526
(S) 2-Fluorobiphenyl	*68.5*			*15.0-120*		*06/07/2024 02:37*	WG2299526
(S) 2,4,6-Tribromophenol	*75.5*			*10.0-127*		*06/07/2024 02:37*	WG2299526
(S) p-Terphenyl-d14	*72.9*			*10.0-120*		*06/07/2024 02:37*	WG2299526

Sample Narrative:

L1740668-12 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.173		0.0215	0.0479	1	05/31/2024 16:16	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.15		0.651	2.39	1	06/11/2024 15:25	WG2298288
Arsenic	8.83		0.620	2.39	1	06/11/2024 15:25	WG2298288
Barium	183		0.102	0.598	1	06/11/2024 15:25	WG2298288
Beryllium	0.318		0.0377	0.239	1	06/11/2024 15:25	WG2298288
Cadmium	0.617		0.0564	0.598	1	06/11/2024 15:25	WG2298288
Chromium	31.3		0.159	1.20	1	06/11/2024 15:25	WG2298288
Cobalt	10.8		0.0971	1.20	1	06/11/2024 15:25	WG2298288
Copper	64.7		0.479	2.39	1	06/11/2024 15:25	WG2298288
Lead	103		0.249	0.598	1	06/11/2024 15:25	WG2298288
Molybdenum	0.931		0.130	0.598	1	06/11/2024 15:25	WG2298288
Nickel	44.1		0.158	2.39	1	06/11/2024 15:25	WG2298288
Selenium	U		0.914	2.39	1	06/11/2024 15:25	WG2298288
Silver	0.357	J	0.152	1.20	1	06/11/2024 15:25	WG2298288
Thallium	U		0.472	2.39	1	06/11/2024 15:25	WG2298288
Vanadium	40.0		0.606	2.39	1	06/11/2024 15:25	WG2298288
Zinc	156		0.996	5.98	1	06/11/2024 15:25	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	13.1		1.18	3.54	25	05/31/2024 20:08	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*		*05/31/2024 20:08*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.414	0.567	8	06/03/2024 00:14	WG2297144
Acrylonitrile	U		0.0410	0.142	8	06/03/2024 00:14	WG2297144
Benzene	U		0.00530	0.0113	8	06/03/2024 00:14	WG2297144
Bromobenzene	U		0.0102	0.142	8	06/03/2024 00:14	WG2297144
Bromodichloromethane	U		0.00822	0.0284	8	06/03/2024 00:14	WG2297144
Bromoform	U		0.0133	0.284	8	06/03/2024 00:14	WG2297144
Bromomethane	U		0.0224	0.142	8	06/03/2024 00:14	WG2297144
n-Butylbenzene	U		0.0595	0.142	8	06/03/2024 00:14	WG2297144
sec-Butylbenzene	U		0.0326	0.142	8	06/03/2024 00:14	WG2297144
tert-Butylbenzene	U		0.0221	0.0567	8	06/03/2024 00:14	WG2297144
Carbon tetrachloride	U		0.0102	0.0567	8	06/03/2024 00:14	WG2297144
Chlorobenzene	U		0.00238	0.0284	8	06/03/2024 00:14	WG2297144
Chlorodibromomethane	U		0.00695	0.0284	8	06/03/2024 00:14	WG2297144
Chloroethane	U		0.0193	0.0567	8	06/03/2024 00:14	WG2297144
Chloroform	U		0.0117	0.0284	8	06/03/2024 00:14	WG2297144
Chloromethane	U		0.0493	0.142	8	06/03/2024 00:14	WG2297144
2-Chlorotoluene	U		0.00981	0.0284	8	06/03/2024 00:14	WG2297144
4-Chlorotoluene	U		0.00510	0.0567	8	06/03/2024 00:14	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0442	0.284	8	06/03/2024 00:14	WG2297144
1,2-Dibromoethane	U		0.00734	0.0284	8	06/03/2024 00:14	WG2297144
Dibromomethane	U		0.00851	0.0567	8	06/03/2024 00:14	WG2297144
1,2-Dichlorobenzene	U		0.00482	0.0567	8	06/03/2024 00:14	WG2297144
1,3-Dichlorobenzene	U		0.00680	0.0567	8	06/03/2024 00:14	WG2297144
1,4-Dichlorobenzene	U		0.00794	0.0567	8	06/03/2024 00:14	WG2297144
Dichlorodifluoromethane	U		0.0183	0.0567	8	06/03/2024 00:14	WG2297144
1,1-Dichloroethane	U		0.00557	0.0284	8	06/03/2024 00:14	WG2297144
1,2-Dichloroethane	U		0.00736	0.0284	8	06/03/2024 00:14	WG2297144
1,1-Dichloroethene	U		0.00688	0.0284	8	06/03/2024 00:14	WG2297144
cis-1,2-Dichloroethene	U		0.00832	0.0284	8	06/03/2024 00:14	WG2297144
trans-1,2-Dichloroethene	U		0.0118	0.0567	8	06/03/2024 00:14	WG2297144
1,2-Dichloropropane	U		0.0162	0.0567	8	06/03/2024 00:14	WG2297144
1,1-Dichloropropene	U		0.00917	0.0284	8	06/03/2024 00:14	WG2297144
1,3-Dichloropropane	U		0.00568	0.0567	8	06/03/2024 00:14	WG2297144
cis-1,3-Dichloropropene	U		0.00859	0.0284	8	06/03/2024 00:14	WG2297144
trans-1,3-Dichloropropene	U		0.0129	0.0567	8	06/03/2024 00:14	WG2297144
2,2-Dichloropropane	U	J3	0.0156	0.0284	8	06/03/2024 00:14	WG2297144
Di-isopropyl ether	U		0.00465	0.0113	8	06/03/2024 00:14	WG2297144
Ethylbenzene	U		0.00836	0.0284	8	06/03/2024 00:14	WG2297144
Hexachloro-1,3-butadiene	U		0.0680	0.284	8	06/03/2024 00:14	WG2297144
Isopropylbenzene	U		0.00482	0.0284	8	06/03/2024 00:14	WG2297144
p-Isopropyltoluene	U		0.0289	0.0567	8	06/03/2024 00:14	WG2297144
2-Butanone (MEK)	U		0.720	1.13	8	06/03/2024 00:14	WG2297144
Methylene Chloride	U		0.0753	0.284	8	06/03/2024 00:14	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.0258	0.284	8	06/03/2024 00:14	WG2297144
Methyl tert-butyl ether	U		0.00397	0.0113	8	06/03/2024 00:14	WG2297144
Naphthalene	U		0.0553	0.142	8	06/03/2024 00:14	WG2297144
n-Propylbenzene	U		0.0108	0.0567	8	06/03/2024 00:14	WG2297144
Styrene	U		0.00259	0.142	8	06/03/2024 00:14	WG2297144
1,1,1,2-Tetrachloroethane	U		0.0107	0.0284	8	06/03/2024 00:14	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00788	0.0284	8	06/03/2024 00:14	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00855	0.0284	8	06/03/2024 00:14	WG2297144
Tetrachloroethene	U		0.0102	0.0284	8	06/03/2024 00:14	WG2297144
Toluene	U		0.0147	0.0567	8	06/03/2024 00:14	WG2297144
1,2,3-Trichlorobenzene	U		0.0831	0.142	8	06/03/2024 00:14	WG2297144
1,2,4-Trichlorobenzene	U		0.0499	0.142	8	06/03/2024 00:14	WG2297144
1,1,1-Trichloroethane	U		0.0105	0.0284	8	06/03/2024 00:14	WG2297144
1,1,2-Trichloroethane	U		0.00678	0.0284	8	06/03/2024 00:14	WG2297144
Trichloroethene	U		0.00662	0.0113	8	06/03/2024 00:14	WG2297144
Trichlorofluoromethane	U		0.00938	0.0284	8	06/03/2024 00:14	WG2297144
1,2,3-Trichloropropane	U		0.0184	0.142	8	06/03/2024 00:14	WG2297144
1,2,4-Trimethylbenzene	U		0.0179	0.0567	8	06/03/2024 00:14	WG2297144
1,2,3-Trimethylbenzene	U		0.0179	0.0567	8	06/03/2024 00:14	WG2297144
1,3,5-Trimethylbenzene	U		0.0227	0.0567	8	06/03/2024 00:14	WG2297144
Vinyl chloride	U		0.0132	0.0284	8	06/03/2024 00:14	WG2297144
Xylenes, Total	U		0.00998	0.0737	8	06/03/2024 00:14	WG2297144
(S) Toluene-d8	*100*			*75.0-131*		*06/03/2024 00:14*	WG2297144
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/03/2024 00:14*	WG2297144
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*06/03/2024 00:14*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	553		8.77	47.9	10	06/04/2024 20:02	WG2297499
C22-C32 Hydrocarbons	700		15.9	47.9	10	06/04/2024 20:02	WG2297499
C32-C40 Hydrocarbons	389		15.9	47.9	10	06/04/2024 20:02	WG2297499
(S) o-Terphenyl	*79.6*			*18.0-148*		*06/04/2024 20:02*	WG2297499

Sample Narrative:

L1740668-13 WG2297499: Dilution due to matrix impact during extract concentration procedure.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0645	0.399	10	06/06/2024 19:03	WG2299526
Acenaphthylene	U		0.0561	0.399	10	06/06/2024 19:03	WG2299526
Anthracene	U		0.0710	0.399	10	06/06/2024 19:03	WG2299526
Benzidine	U		0.749	20.0	10	06/06/2024 19:03	WG2299526
Benzo(a)anthracene	0.403		0.0703	0.399	10	06/06/2024 19:03	WG2299526
Benzo(b)fluoranthene	0.706		0.0743	0.399	10	06/06/2024 19:03	WG2299526
Benzo(k)fluoranthene	0.250	J	0.0709	0.399	10	06/06/2024 19:03	WG2299526
Benzo(g,h,i)perylene	0.354	J	0.0729	0.399	10	06/06/2024 19:03	WG2299526
Benzo(a)pyrene	0.522		0.0741	0.399	10	06/06/2024 19:03	WG2299526
Bis(2-chlorethoxy)methane	U		0.120	3.99	10	06/06/2024 19:03	WG2299526
Bis(2-chloroethyl)ether	U		0.132	3.99	10	06/06/2024 19:03	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.172	3.99	10	06/06/2024 19:03	WG2299526
4-Bromophenyl-phenylether	U		0.140	3.99	10	06/06/2024 19:03	WG2299526
2-Chloronaphthalene	U		0.0700	0.399	10	06/06/2024 19:03	WG2299526
4-Chlorophenyl-phenylether	U		0.139	3.99	10	06/06/2024 19:03	WG2299526
Chrysene	0.567		0.0792	0.399	10	06/06/2024 19:03	WG2299526
Dibenz(a,h)anthracene	U		0.110	0.399	10	06/06/2024 19:03	WG2299526
1,2-Dichlorobenzene	U		0.118	3.99	10	06/06/2024 19:03	WG2299526
1,3-Dichlorobenzene	U		0.121	3.99	10	06/06/2024 19:03	WG2299526
1,4-Dichlorobenzene	U		0.119	3.99	10	06/06/2024 19:03	WG2299526
3,3-Dichlorobenzidine	U		0.147	3.99	10	06/06/2024 19:03	WG2299526
2,4-Dinitrotoluene	U		0.114	3.99	10	06/06/2024 19:03	WG2299526
2,6-Dinitrotoluene	U		0.130	3.99	10	06/06/2024 19:03	WG2299526
Fluoranthene	0.389	J	0.0719	0.399	10	06/06/2024 19:03	WG2299526
Fluorene	U		0.0649	0.399	10	06/06/2024 19:03	WG2299526
Hexachlorobenzene	U		0.141	3.99	10	06/06/2024 19:03	WG2299526
Hexachloro-1,3-butadiene	U		0.134	3.99	10	06/06/2024 19:03	WG2299526
Hexachlorocyclopentadiene	U		0.209	3.99	10	06/06/2024 19:03	WG2299526
Hexachloroethane	U		0.157	3.99	10	06/06/2024 19:03	WG2299526
Indeno(1,2,3-cd)pyrene	0.304	J	0.113	0.399	10	06/06/2024 19:03	WG2299526
Isophorone	U		0.122	3.99	10	06/06/2024 19:03	WG2299526
Naphthalene	U		0.100	0.399	10	06/06/2024 19:03	WG2299526
Nitrobenzene	U		0.139	3.99	10	06/06/2024 19:03	WG2299526
n-Nitrosodimethylamine	U		0.591	3.99	10	06/06/2024 19:03	WG2299526
n-Nitrosodiphenylamine	U		0.302	3.99	10	06/06/2024 19:03	WG2299526
n-Nitrosodi-n-propylamine	U		0.133	3.99	10	06/06/2024 19:03	WG2299526
Phenanthrene	0.190	J	0.0791	0.399	10	06/06/2024 19:03	WG2299526
Benzylbutyl phthalate	U		0.124	3.99	10	06/06/2024 19:03	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.505	3.99	10	06/06/2024 19:03	WG2299526
Di-n-butyl phthalate	U		0.136	3.99	10	06/06/2024 19:03	WG2299526
Diethyl phthalate	U		0.132	3.99	10	06/06/2024 19:03	WG2299526
Dimethyl phthalate	U		0.845	3.99	10	06/06/2024 19:03	WG2299526
Di-n-octyl phthalate	U		0.269	3.99	10	06/06/2024 19:03	WG2299526
Pyrene	0.622		0.0776	0.399	10	06/06/2024 19:03	WG2299526
1,2,4-Trichlorobenzene	U		0.124	3.99	10	06/06/2024 19:03	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.129	3.99	10	06/06/2024 19:03	WG2299526
2-Chlorophenol	U		0.132	3.99	10	06/06/2024 19:03	WG2299526
2,4-Dichlorophenol	U		0.116	3.99	10	06/06/2024 19:03	WG2299526
2,4-Dimethylphenol	U		0.104	3.99	10	06/06/2024 19:03	WG2299526
4,6-Dinitro-2-methylphenol	U		0.904	3.99	10	06/06/2024 19:03	WG2299526
2,4-Dinitrophenol	U		0.932	3.99	10	06/06/2024 19:03	WG2299526
2-Nitrophenol	U		0.142	3.99	10	06/06/2024 19:03	WG2299526
4-Nitrophenol	U		0.124	3.99	10	06/06/2024 19:03	WG2299526
Pentachlorophenol	U		0.107	3.99	10	06/06/2024 19:03	WG2299526
Phenol	U		0.160	3.99	10	06/06/2024 19:03	WG2299526
2,4,6-Trichlorophenol	U		0.128	3.99	10	06/06/2024 19:03	WG2299526
(S) 2-Fluorophenol	*65.3*			*12.0-120*		*06/06/2024 19:03*	WG2299526
(S) Phenol-d5	*61.0*			*10.0-120*		*06/06/2024 19:03*	WG2299526
(S) Nitrobenzene-d5	*53.3*			*10.0-122*		*06/06/2024 19:03*	WG2299526
(S) 2-Fluorobiphenyl	*70.9*			*15.0-120*		*06/06/2024 19:03*	WG2299526
(S) 2,4,6-Tribromophenol	*50.0*			*10.0-127*		*06/06/2024 19:03*	WG2299526
(S) p-Terphenyl-d14	*70.3*			*10.0-120*		*06/06/2024 19:03*	WG2299526

Sample Narrative:

L1740668-13 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	06/07/2024 12:45	WG2300491

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	6.68		1.19	3.58	25	06/07/2024 18:58	WG2300843
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/07/2024 18:58*	WG2300843

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	388		8.77	47.9	10	06/08/2024 10:54	WG2301229
C22-C32 Hydrocarbons	743		15.9	47.9	10	06/08/2024 10:54	WG2301229
C32-C40 Hydrocarbons	675		15.9	47.9	10	06/08/2024 10:54	WG2301229
(S) o-Terphenyl	*79.4*			*18.0-148*		*06/08/2024 10:54*	WG2301229

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	05/31/2024 07:38	WG2295888

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.42	B	1.13	3.41	25	05/31/2024 20:27	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*05/31/2024 20:27*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0497	0.0681	1	06/02/2024 21:25	WG2297144
Acrylonitrile	U		0.00492	0.0170	1	06/02/2024 21:25	WG2297144
Benzene	0.000753	J	0.000636	0.00136	1	06/02/2024 21:25	WG2297144
Bromobenzene	U		0.00123	0.0170	1	06/02/2024 21:25	WG2297144
Bromodichloromethane	U		0.000988	0.00341	1	06/02/2024 21:25	WG2297144
Bromoform	U		0.00159	0.0341	1	06/02/2024 21:25	WG2297144
Bromomethane	U		0.00268	0.0170	1	06/02/2024 21:25	WG2297144
n-Butylbenzene	U		0.00715	0.0170	1	06/02/2024 21:25	WG2297144
sec-Butylbenzene	U		0.00392	0.0170	1	06/02/2024 21:25	WG2297144
tert-Butylbenzene	U		0.00266	0.00681	1	06/02/2024 21:25	WG2297144
Carbon tetrachloride	U		0.00122	0.00681	1	06/02/2024 21:25	WG2297144
Chlorobenzene	0.00962		0.000286	0.00341	1	06/02/2024 21:25	WG2297144
Chlorodibromomethane	U		0.000834	0.00341	1	06/02/2024 21:25	WG2297144
Chloroethane	U		0.00232	0.00681	1	06/02/2024 21:25	WG2297144
Chloroform	U		0.00140	0.00341	1	06/02/2024 21:25	WG2297144
Chloromethane	U		0.00593	0.0170	1	06/02/2024 21:25	WG2297144
2-Chlorotoluene	U		0.00118	0.00341	1	06/02/2024 21:25	WG2297144
4-Chlorotoluene	U		0.000613	0.00681	1	06/02/2024 21:25	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00531	0.0341	1	06/02/2024 21:25	WG2297144
1,2-Dibromoethane	U		0.000883	0.00341	1	06/02/2024 21:25	WG2297144
Dibromomethane	U		0.00102	0.00681	1	06/02/2024 21:25	WG2297144
1,2-Dichlorobenzene	U		0.000579	0.00681	1	06/02/2024 21:25	WG2297144
1,3-Dichlorobenzene	U		0.000818	0.00681	1	06/02/2024 21:25	WG2297144
1,4-Dichlorobenzene	U		0.000954	0.00681	1	06/02/2024 21:25	WG2297144
Dichlorodifluoromethane	U		0.00219	0.00681	1	06/02/2024 21:25	WG2297144
1,1-Dichloroethane	U		0.000669	0.00341	1	06/02/2024 21:25	WG2297144
1,2-Dichloroethane	U		0.000884	0.00341	1	06/02/2024 21:25	WG2297144
1,1-Dichloroethene	U		0.000826	0.00341	1	06/02/2024 21:25	WG2297144
cis-1,2-Dichloroethene	0.00144	J	0.00100	0.00341	1	06/02/2024 21:25	WG2297144
trans-1,2-Dichloroethene	U		0.00142	0.00681	1	06/02/2024 21:25	WG2297144
1,2-Dichloropropane	U		0.00193	0.00681	1	06/02/2024 21:25	WG2297144
1,1-Dichloropropene	U		0.00110	0.00341	1	06/02/2024 21:25	WG2297144
1,3-Dichloropropane	U		0.000683	0.00681	1	06/02/2024 21:25	WG2297144
cis-1,3-Dichloropropene	U		0.00103	0.00341	1	06/02/2024 21:25	WG2297144
trans-1,3-Dichloropropene	U		0.00155	0.00681	1	06/02/2024 21:25	WG2297144
2,2-Dichloropropane	U	J3	0.00188	0.00341	1	06/02/2024 21:25	WG2297144
Di-isopropyl ether	U		0.000559	0.00136	1	06/02/2024 21:25	WG2297144
Ethylbenzene	U		0.00100	0.00341	1	06/02/2024 21:25	WG2297144
Hexachloro-1,3-butadiene	U		0.00818	0.0341	1	06/02/2024 21:25	WG2297144
Isopropylbenzene	U		0.000579	0.00341	1	06/02/2024 21:25	WG2297144
p-Isopropyltoluene	U		0.00347	0.00681	1	06/02/2024 21:25	WG2297144
2-Butanone (MEK)	U		0.0865	0.136	1	06/02/2024 21:25	WG2297144
Methylene Chloride	U		0.00905	0.0341	1	06/02/2024 21:25	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00311	0.0341	1	06/02/2024 21:25	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000477	0.00136	1	06/02/2024 21:25	WG2297144
Naphthalene	0.00813	J	0.00665	0.0170	1	06/02/2024 21:25	WG2297144
n-Propylbenzene	U		0.00129	0.00681	1	06/02/2024 21:25	WG2297144
Styrene	U		0.000312	0.0170	1	06/02/2024 21:25	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00129	0.00341	1	06/02/2024 21:25	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000947	0.00341	1	06/02/2024 21:25	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00103	0.00341	1	06/02/2024 21:25	WG2297144
Tetrachloroethene	U		0.00122	0.00341	1	06/02/2024 21:25	WG2297144
Toluene	0.00281	J	0.00177	0.00681	1	06/02/2024 21:25	WG2297144
1,2,3-Trichlorobenzene	U		0.00999	0.0170	1	06/02/2024 21:25	WG2297144
1,2,4-Trichlorobenzene	U		0.00600	0.0170	1	06/02/2024 21:25	WG2297144
1,1,1-Trichloroethane	U		0.00126	0.00341	1	06/02/2024 21:25	WG2297144
1,1,2-Trichloroethane	U		0.000813	0.00341	1	06/02/2024 21:25	WG2297144
Trichloroethene	0.00119	J	0.000796	0.00136	1	06/02/2024 21:25	WG2297144
Trichlorofluoromethane	U		0.00113	0.00341	1	06/02/2024 21:25	WG2297144
1,2,3-Trichloropropane	U		0.00221	0.0170	1	06/02/2024 21:25	WG2297144
1,2,4-Trimethylbenzene	0.00309	J	0.00215	0.00681	1	06/02/2024 21:25	WG2297144
1,2,3-Trimethylbenzene	0.00232	J	0.00215	0.00681	1	06/02/2024 21:25	WG2297144
1,3,5-Trimethylbenzene	U		0.00273	0.00681	1	06/02/2024 21:25	WG2297144
Vinyl chloride	U		0.00158	0.00341	1	06/02/2024 21:25	WG2297144
Xylenes, Total	0.00527	J	0.00120	0.00886	1	06/02/2024 21:25	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 21:25*	WG2297144
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*06/02/2024 21:25*	WG2297144
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*		*06/02/2024 21:25*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	404		17.2	93.3	20	06/04/2024 20:30	WG2297499
C22-C32 Hydrocarbons	880		31.0	93.3	20	06/04/2024 20:30	WG2297499
C32-C40 Hydrocarbons	505		31.0	93.3	20	06/04/2024 20:30	WG2297499
(S) o-Terphenyl	*110*	J7		*18.0-148*		*06/04/2024 20:30*	WG2297499

Sample Narrative:

L1740668-15 WG2297499: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.101		0.0199	0.0442	1	05/31/2024 16:19	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.68	J	0.602	2.21	1	06/11/2024 15:27	WG2298288
Arsenic	3.25		0.573	2.21	1	06/11/2024 15:27	WG2298288
Barium	140		0.0942	0.553	1	06/11/2024 15:27	WG2298288
Beryllium	0.145	J	0.0348	0.221	1	06/11/2024 15:27	WG2298288
Cadmium	0.681		0.0521	0.553	1	06/11/2024 15:27	WG2298288
Chromium	29.3		0.147	1.11	1	06/11/2024 15:27	WG2298288
Cobalt	12.3		0.0897	1.11	1	06/11/2024 15:27	WG2298288
Copper	64.5		0.442	2.21	1	06/11/2024 15:27	WG2298288
Lead	200		0.230	0.553	1	06/11/2024 15:27	WG2298288
Molybdenum	0.549	J	0.121	0.553	1	06/11/2024 15:27	WG2298288
Nickel	38.5		0.146	2.21	1	06/11/2024 15:27	WG2298288
Selenium	U		0.845	2.21	1	06/11/2024 15:27	WG2298288
Silver	0.492	J	0.140	1.11	1	06/11/2024 15:27	WG2298288
Thallium	U		0.436	2.21	1	06/11/2024 15:27	WG2298288
Vanadium	30.7		0.560	2.21	1	06/11/2024 15:27	WG2298288
Zinc	176		0.920	5.53	1	06/11/2024 15:27	WG2298288

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0376	1	06/03/2024 18:04	WG2297376
PCB 1221	U		0.0131	0.0376	1	06/03/2024 18:04	WG2297376
PCB 1232	U		0.0131	0.0376	1	06/03/2024 18:04	WG2297376
PCB 1242	U		0.0131	0.0376	1	06/03/2024 18:04	WG2297376
PCB 1248	U		0.00816	0.0188	1	06/03/2024 18:04	WG2297376
PCB 1254	U		0.00816	0.0188	1	06/03/2024 18:04	WG2297376
PCB 1260	0.0350		0.00816	0.0188	1	06/04/2024 13:36	WG2297376
(S) Decachlorobiphenyl	*89.6*			*10.0-135*		*06/03/2024 18:04*	WG2297376
(S) Decachlorobiphenyl	*70.6*			*10.0-135*		*06/04/2024 13:36*	WG2297376
(S) Tetrachloro-m-xylene	*79.9*			*10.0-139*		*06/04/2024 13:36*	WG2297376
(S) Tetrachloro-m-xylene	*87.3*			*10.0-139*		*06/03/2024 18:04*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0596	0.368	10	06/07/2024 02:57	WG2299526
Acenaphthylene	U		0.0519	0.368	10	06/07/2024 02:57	WG2299526
Anthracene	U		0.0656	0.368	10	06/07/2024 02:57	WG2299526
Benzidine	U		0.692	18.5	10	06/07/2024 02:57	WG2299526
Benzo(a)anthracene	U		0.0649	0.368	10	06/07/2024 02:57	WG2299526
Benzo(b)fluoranthene	0.101	J	0.0687	0.368	10	06/07/2024 02:57	WG2299526
Benzo(k)fluoranthene	U		0.0655	0.368	10	06/07/2024 02:57	WG2299526
Benzo(g,h,i)perylene	U		0.0674	0.368	10	06/07/2024 02:57	WG2299526
Benzo(a)pyrene	0.0764	J	0.0685	0.368	10	06/07/2024 02:57	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.111	3.68	10	06/07/2024 02:57	WG2299526
Bis(2-chloroethyl)ether	U		0.122	3.68	10	06/07/2024 02:57	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.159	3.68	10	06/07/2024 02:57	WG2299526
4-Bromophenyl-phenylether	U		0.129	3.68	10	06/07/2024 02:57	WG2299526
2-Chloronaphthalene	U		0.0647	0.368	10	06/07/2024 02:57	WG2299526
4-Chlorophenyl-phenylether	U		0.128	3.68	10	06/07/2024 02:57	WG2299526
Chrysene	U		0.0732	0.368	10	06/07/2024 02:57	WG2299526
Dibenz(a,h)anthracene	U		0.102	0.368	10	06/07/2024 02:57	WG2299526
1,2-Dichlorobenzene	U		0.109	3.68	10	06/07/2024 02:57	WG2299526
1,3-Dichlorobenzene	U		0.112	3.68	10	06/07/2024 02:57	WG2299526
1,4-Dichlorobenzene	U		0.110	3.68	10	06/07/2024 02:57	WG2299526
3,3-Dichlorobenzidine	U		0.136	3.68	10	06/07/2024 02:57	WG2299526
2,4-Dinitrotoluene	U		0.106	3.68	10	06/07/2024 02:57	WG2299526
2,6-Dinitrotoluene	U		0.121	3.68	10	06/07/2024 02:57	WG2299526
Fluoranthene	U		0.0665	0.368	10	06/07/2024 02:57	WG2299526
Fluorene	U		0.0599	0.368	10	06/07/2024 02:57	WG2299526
Hexachlorobenzene	U		0.131	3.68	10	06/07/2024 02:57	WG2299526
Hexachloro-1,3-butadiene	U		0.124	3.68	10	06/07/2024 02:57	WG2299526
Hexachlorocyclopentadiene	U		0.194	3.68	10	06/07/2024 02:57	WG2299526
Hexachloroethane	U		0.145	3.68	10	06/07/2024 02:57	WG2299526
Indeno(1,2,3-cd)pyrene	U		0.104	0.368	10	06/07/2024 02:57	WG2299526
Isophorone	U		0.113	3.68	10	06/07/2024 02:57	WG2299526
Naphthalene	U		0.0925	0.368	10	06/07/2024 02:57	WG2299526
Nitrobenzene	U		0.128	3.68	10	06/07/2024 02:57	WG2299526
n-Nitrosodimethylamine	U		0.546	3.68	10	06/07/2024 02:57	WG2299526
n-Nitrosodiphenylamine	U		0.279	3.68	10	06/07/2024 02:57	WG2299526
n-Nitrosodi-n-propylamine	U		0.123	3.68	10	06/07/2024 02:57	WG2299526
Phenanthrene	U		0.0731	0.368	10	06/07/2024 02:57	WG2299526
Benzylbutyl phthalate	U		0.115	3.68	10	06/07/2024 02:57	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.467	3.68	10	06/07/2024 02:57	WG2299526
Di-n-butyl phthalate	U		0.126	3.68	10	06/07/2024 02:57	WG2299526
Diethyl phthalate	U		0.122	3.68	10	06/07/2024 02:57	WG2299526
Dimethyl phthalate	U		0.781	3.68	10	06/07/2024 02:57	WG2299526
Di-n-octyl phthalate	U		0.249	3.68	10	06/07/2024 02:57	WG2299526
Pyrene	U		0.0717	0.368	10	06/07/2024 02:57	WG2299526
1,2,4-Trichlorobenzene	U		0.115	3.68	10	06/07/2024 02:57	WG2299526
4-Chloro-3-methylphenol	U		0.119	3.68	10	06/07/2024 02:57	WG2299526
2-Chlorophenol	U		0.122	3.68	10	06/07/2024 02:57	WG2299526
2,4-Dichlorophenol	U		0.107	3.68	10	06/07/2024 02:57	WG2299526
2,4-Dimethylphenol	U		0.0962	3.68	10	06/07/2024 02:57	WG2299526
4,6-Dinitro-2-methylphenol	U		0.835	3.68	10	06/07/2024 02:57	WG2299526
2,4-Dinitrophenol	U		0.862	3.68	10	06/07/2024 02:57	WG2299526
2-Nitrophenol	U		0.132	3.68	10	06/07/2024 02:57	WG2299526
4-Nitrophenol	U		0.115	3.68	10	06/07/2024 02:57	WG2299526
Pentachlorophenol	U		0.0991	3.68	10	06/07/2024 02:57	WG2299526
Phenol	U		0.148	3.68	10	06/07/2024 02:57	WG2299526
2,4,6-Trichlorophenol	U		0.118	3.68	10	06/07/2024 02:57	WG2299526
(S) 2-Fluorophenol	*90.2*			*12.0-120*		*06/07/2024 02:57*	WG2299526
(S) Phenol-d5	*73.5*			*10.0-120*		*06/07/2024 02:57*	WG2299526
(S) Nitrobenzene-d5	*68.3*			*10.0-122*		*06/07/2024 02:57*	WG2299526
(S) 2-Fluorobiphenyl	*71.3*			*15.0-120*		*06/07/2024 02:57*	WG2299526
(S) 2,4,6-Tribromophenol	*79.1*			*10.0-127*		*06/07/2024 02:57*	WG2299526
(S) p-Terphenyl-d14	*70.7*			*10.0-120*		*06/07/2024 02:57*	WG2299526

Sample Narrative:

L1740668-16 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.136		0.0198	0.0440	1	05/31/2024 16:24	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.32		0.598	2.20	1	06/11/2024 15:28	WG2298288
Arsenic	3.87		0.570	2.20	1	06/11/2024 15:28	WG2298288
Barium	233		0.0937	0.550	1	06/11/2024 15:28	WG2298288
Beryllium	0.244		0.0346	0.220	1	06/11/2024 15:28	WG2298288
Cadmium	0.427	J	0.0518	0.550	1	06/11/2024 15:28	WG2298288
Chromium	24.2		0.146	1.10	1	06/11/2024 15:28	WG2298288
Cobalt	10.0		0.0892	1.10	1	06/11/2024 15:28	WG2298288
Copper	121		0.440	2.20	1	06/11/2024 15:28	WG2298288
Lead	178		0.229	0.550	1	06/11/2024 15:28	WG2298288
Molybdenum	0.509	J	0.120	0.550	1	06/11/2024 15:28	WG2298288
Nickel	23.1		0.145	2.20	1	06/11/2024 15:28	WG2298288
Selenium	U		0.840	2.20	1	06/11/2024 15:28	WG2298288
Silver	0.389	J	0.140	1.10	1	06/11/2024 15:28	WG2298288
Thallium	U		0.433	2.20	1	06/11/2024 15:28	WG2298288
Vanadium	29.8		0.556	2.20	1	06/11/2024 15:28	WG2298288
Zinc	173		0.915	5.50	1	06/11/2024 15:28	WG2298288

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0444	0.0608	1	06/02/2024 22:16	WG2297144
Acrylonitrile	U		0.00439	0.0152	1	06/02/2024 22:16	WG2297144
Benzene	0.00193		0.000568	0.00122	1	06/02/2024 22:16	WG2297144
Bromobenzene	U		0.00109	0.0152	1	06/02/2024 22:16	WG2297144
Bromodichloromethane	U		0.000882	0.00304	1	06/02/2024 22:16	WG2297144
Bromoform	U		0.00142	0.0304	1	06/02/2024 22:16	WG2297144
Bromomethane	U		0.00240	0.0152	1	06/02/2024 22:16	WG2297144
n-Butylbenzene	U		0.00639	0.0152	1	06/02/2024 22:16	WG2297144
sec-Butylbenzene	U		0.00350	0.0152	1	06/02/2024 22:16	WG2297144
tert-Butylbenzene	U		0.00237	0.00608	1	06/02/2024 22:16	WG2297144
Carbon tetrachloride	U		0.00109	0.00608	1	06/02/2024 22:16	WG2297144
Chlorobenzene	U		0.000255	0.00304	1	06/02/2024 22:16	WG2297144
Chlorodibromomethane	U		0.000744	0.00304	1	06/02/2024 22:16	WG2297144
Chloroethane	U		0.00207	0.00608	1	06/02/2024 22:16	WG2297144
Chloroform	U		0.00125	0.00304	1	06/02/2024 22:16	WG2297144
Chloromethane	U		0.00529	0.0152	1	06/02/2024 22:16	WG2297144
2-Chlorotoluene	U		0.00105	0.00304	1	06/02/2024 22:16	WG2297144
4-Chlorotoluene	U		0.000547	0.00608	1	06/02/2024 22:16	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00474	0.0304	1	06/02/2024 22:16	WG2297144
1,2-Dibromoethane	U		0.000788	0.00304	1	06/02/2024 22:16	WG2297144
Dibromomethane	U		0.000912	0.00608	1	06/02/2024 22:16	WG2297144
1,2-Dichlorobenzene	U		0.000517	0.00608	1	06/02/2024 22:16	WG2297144
1,3-Dichlorobenzene	U		0.000730	0.00608	1	06/02/2024 22:16	WG2297144
1,4-Dichlorobenzene	0.000905	J	0.000851	0.00608	1	06/02/2024 22:16	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00196	0.00608	1	06/02/2024 22:16	WG2297144
1,1-Dichloroethane	U		0.000597	0.00304	1	06/02/2024 22:16	WG2297144
1,2-Dichloroethane	U		0.000789	0.00304	1	06/02/2024 22:16	WG2297144
1,1-Dichloroethene	U		0.000737	0.00304	1	06/02/2024 22:16	WG2297144
cis-1,2-Dichloroethene	U		0.000893	0.00304	1	06/02/2024 22:16	WG2297144
trans-1,2-Dichloroethene	U		0.00126	0.00608	1	06/02/2024 22:16	WG2297144
1,2-Dichloropropane	U		0.00173	0.00608	1	06/02/2024 22:16	WG2297144
1,1-Dichloropropene	U		0.000984	0.00304	1	06/02/2024 22:16	WG2297144
1,3-Dichloropropane	U		0.000609	0.00608	1	06/02/2024 22:16	WG2297144
cis-1,3-Dichloropropene	U		0.000921	0.00304	1	06/02/2024 22:16	WG2297144
trans-1,3-Dichloropropene	U		0.00139	0.00608	1	06/02/2024 22:16	WG2297144
2,2-Dichloropropane	U	J3	0.00168	0.00304	1	06/02/2024 22:16	WG2297144
Di-isopropyl ether	U		0.000499	0.00122	1	06/02/2024 22:16	WG2297144
Ethylbenzene	0.000956	J	0.000896	0.00304	1	06/02/2024 22:16	WG2297144
Hexachloro-1,3-butadiene	U		0.00730	0.0304	1	06/02/2024 22:16	WG2297144
Isopropylbenzene	U		0.000517	0.00304	1	06/02/2024 22:16	WG2297144
p-Isopropyltoluene	U		0.00310	0.00608	1	06/02/2024 22:16	WG2297144
2-Butanone (MEK)	U		0.0772	0.122	1	06/02/2024 22:16	WG2297144
Methylene Chloride	U		0.00808	0.0304	1	06/02/2024 22:16	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0304	1	06/02/2024 22:16	WG2297144
Methyl tert-butyl ether	U		0.000426	0.00122	1	06/02/2024 22:16	WG2297144
Naphthalene	0.0221		0.00594	0.0152	1	06/02/2024 22:16	WG2297144
n-Propylbenzene	U		0.00116	0.00608	1	06/02/2024 22:16	WG2297144
Styrene	U		0.000279	0.0152	1	06/02/2024 22:16	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1	06/02/2024 22:16	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000845	0.00304	1	06/02/2024 22:16	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.000917	0.00304	1	06/02/2024 22:16	WG2297144
Tetrachloroethene	U		0.00109	0.00304	1	06/02/2024 22:16	WG2297144
Toluene	0.00225	J	0.00158	0.00608	1	06/02/2024 22:16	WG2297144
1,2,3-Trichlorobenzene	U		0.00892	0.0152	1	06/02/2024 22:16	WG2297144
1,2,4-Trichlorobenzene	U		0.00535	0.0152	1	06/02/2024 22:16	WG2297144
1,1,1-Trichloroethane	U		0.00112	0.00304	1	06/02/2024 22:16	WG2297144
1,1,2-Trichloroethane	U		0.000726	0.00304	1	06/02/2024 22:16	WG2297144
Trichloroethene	U		0.000710	0.00122	1	06/02/2024 22:16	WG2297144
Trichlorofluoromethane	U		0.00101	0.00304	1	06/02/2024 22:16	WG2297144
1,2,3-Trichloropropane	U		0.00197	0.0152	1	06/02/2024 22:16	WG2297144
1,2,4-Trimethylbenzene	0.00294	J	0.00192	0.00608	1	06/02/2024 22:16	WG2297144
1,2,3-Trimethylbenzene	0.00255	J	0.00192	0.00608	1	06/02/2024 22:16	WG2297144
1,3,5-Trimethylbenzene	U		0.00243	0.00608	1	06/02/2024 22:16	WG2297144
Vinyl chloride	U		0.00141	0.00304	1	06/02/2024 22:16	WG2297144
Xylenes, Total	0.00692	J	0.00107	0.00791	1	06/02/2024 22:16	WG2297144
(S) Toluene-d8	*101*			*75.0-131*		*06/02/2024 22:16*	WG2297144
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/02/2024 22:16*	WG2297144
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*		*06/02/2024 22:16*	WG2297144

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0130	0.0374	1	06/13/2024 21:47	WG2304133
PCB 1221	U		0.0130	0.0374	1	06/13/2024 21:47	WG2304133
PCB 1232	U		0.0130	0.0374	1	06/13/2024 21:47	WG2304133
PCB 1242	U		0.0130	0.0374	1	06/13/2024 21:47	WG2304133
PCB 1248	U		0.00811	0.0187	1	06/13/2024 21:47	WG2304133
PCB 1254	U		0.00811	0.0187	1	06/13/2024 21:47	WG2304133
PCB 1260	U		0.00811	0.0187	1	06/13/2024 21:47	WG2304133
(S) Decachlorobiphenyl	*67.5*			*10.0-135*		*06/13/2024 21:47*	WG2304133

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*79.2*			*10.0-139*		*06/13/2024 21:47*	WG2304133

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0119	0.0732	2	06/07/2024 02:17	WG2299526
Acenaphthylene	U		0.0103	0.0732	2	06/07/2024 02:17	WG2299526
Anthracene	0.0270	J	0.0131	0.0732	2	06/07/2024 02:17	WG2299526
Benzidine	U		0.137	3.67	2	06/07/2024 02:17	WG2299526
Benzo(a)anthracene	0.460		0.0129	0.0732	2	06/07/2024 02:17	WG2299526
Benzo(b)fluoranthene	1.02		0.0136	0.0732	2	06/07/2024 02:17	WG2299526
Benzo(k)fluoranthene	0.290		0.0130	0.0732	2	06/07/2024 02:17	WG2299526
Benzo(g,h,i)perylene	0.234		0.0134	0.0732	2	06/07/2024 02:17	WG2299526
Benzo(a)pyrene	0.565		0.0136	0.0732	2	06/07/2024 02:17	WG2299526
Bis(2-chlorethoxy)methane	U		0.0220	0.732	2	06/07/2024 02:17	WG2299526
Bis(2-chloroethyl)ether	U		0.0242	0.732	2	06/07/2024 02:17	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.0317	0.732	2	06/07/2024 02:17	WG2299526
4-Bromophenyl-phenylether	U		0.0257	0.732	2	06/07/2024 02:17	WG2299526
2-Chloronaphthalene	U		0.0129	0.0732	2	06/07/2024 02:17	WG2299526
4-Chlorophenyl-phenylether	U		0.0255	0.732	2	06/07/2024 02:17	WG2299526
Chrysene	0.747		0.0145	0.0732	2	06/07/2024 02:17	WG2299526
Dibenz(a,h)anthracene	0.0954		0.0203	0.0732	2	06/07/2024 02:17	WG2299526
1,2-Dichlorobenzene	U		0.0217	0.732	2	06/07/2024 02:17	WG2299526
1,3-Dichlorobenzene	U		0.0222	0.732	2	06/07/2024 02:17	WG2299526
1,4-Dichlorobenzene	U		0.0218	0.732	2	06/07/2024 02:17	WG2299526
3,3-Dichlorobenzidine	U		0.0270	0.732	2	06/07/2024 02:17	WG2299526
2,4-Dinitrotoluene	U		0.0210	0.732	2	06/07/2024 02:17	WG2299526
2,6-Dinitrotoluene	U		0.0240	0.732	2	06/07/2024 02:17	WG2299526
Fluoranthene	0.454		0.0132	0.0732	2	06/07/2024 02:17	WG2299526
Fluorene	U		0.0119	0.0732	2	06/07/2024 02:17	WG2299526
Hexachlorobenzene	U		0.0259	0.732	2	06/07/2024 02:17	WG2299526
Hexachloro-1,3-butadiene	U		0.0246	0.732	2	06/07/2024 02:17	WG2299526
Hexachlorocyclopentadiene	U		0.0385	0.732	2	06/07/2024 02:17	WG2299526
Hexachloroethane	U		0.0288	0.732	2	06/07/2024 02:17	WG2299526
Indeno(1,2,3-cd)pyrene	0.269		0.0207	0.0732	2	06/07/2024 02:17	WG2299526
Isophorone	U		0.0224	0.732	2	06/07/2024 02:17	WG2299526
Naphthalene	0.0199	J	0.0184	0.0732	2	06/07/2024 02:17	WG2299526
Nitrobenzene	U		0.0255	0.732	2	06/07/2024 02:17	WG2299526
n-Nitrosodimethylamine	U		0.109	0.732	2	06/07/2024 02:17	WG2299526
n-Nitrosodiphenylamine	U		0.0554	0.732	2	06/07/2024 02:17	WG2299526
n-Nitrosodi-n-propylamine	U		0.0244	0.732	2	06/07/2024 02:17	WG2299526
Phenanthrene	0.112		0.0145	0.0732	2	06/07/2024 02:17	WG2299526
Benzylbutyl phthalate	U		0.0229	0.732	2	06/07/2024 02:17	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.0928	0.732	2	06/07/2024 02:17	WG2299526
Di-n-butyl phthalate	U		0.0251	0.732	2	06/07/2024 02:17	WG2299526
Diethyl phthalate	U		0.0242	0.732	2	06/07/2024 02:17	WG2299526
Dimethyl phthalate	U		0.155	0.732	2	06/07/2024 02:17	WG2299526
Di-n-octyl phthalate	U		0.0495	0.732	2	06/07/2024 02:17	WG2299526
Pyrene	0.500		0.0143	0.0732	2	06/07/2024 02:17	WG2299526
1,2,4-Trichlorobenzene	U		0.0229	0.732	2	06/07/2024 02:17	WG2299526
4-Chloro-3-methylphenol	U		0.0237	0.732	2	06/07/2024 02:17	WG2299526
2-Chlorophenol	U		0.0242	0.732	2	06/07/2024 02:17	WG2299526
2,4-Dichlorophenol	U		0.0213	0.732	2	06/07/2024 02:17	WG2299526
2,4-Dimethylphenol	U		0.0191	0.732	2	06/07/2024 02:17	WG2299526
4,6-Dinitro-2-methylphenol	U		0.166	0.732	2	06/07/2024 02:17	WG2299526
2,4-Dinitrophenol	U		0.172	0.732	2	06/07/2024 02:17	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0262	0.732	2	06/07/2024 02:17	WG2299526
4-Nitrophenol	U		0.0229	0.732	2	06/07/2024 02:17	WG2299526
Pentachlorophenol	U		0.0197	0.732	2	06/07/2024 02:17	WG2299526
Phenol	U		0.0295	0.732	2	06/07/2024 02:17	WG2299526
2,4,6-Trichlorophenol	U		0.0235	0.732	2	06/07/2024 02:17	WG2299526
(S) 2-Fluorophenol	*66.2*			*12.0-120*		*06/07/2024 02:17*	WG2299526
(S) Phenol-d5	*61.0*			*10.0-120*		*06/07/2024 02:17*	WG2299526
(S) Nitrobenzene-d5	*57.7*			*10.0-122*		*06/07/2024 02:17*	WG2299526
(S) 2-Fluorobiphenyl	*65.6*			*15.0-120*		*06/07/2024 02:17*	WG2299526
(S) 2,4,6-Tribromophenol	*84.3*			*10.0-127*		*06/07/2024 02:17*	WG2299526
(S) p-Terphenyl-d14	*68.3*			*10.0-120*		*06/07/2024 02:17*	WG2299526

Sample Narrative:

L1740668-17 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0771		0.0198	0.0440	1	05/31/2024 16:27	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.74		0.599	2.20	1	06/11/2024 15:30	WG2298288
Arsenic	4.70		0.570	2.20	1	06/11/2024 15:30	WG2298288
Barium	131		0.0937	0.550	1	06/11/2024 15:30	WG2298288
Beryllium	0.215	J	0.0347	0.220	1	06/11/2024 15:30	WG2298288
Cadmium	0.174	J	0.0518	0.550	1	06/11/2024 15:30	WG2298288
Chromium	15.7		0.146	1.10	1	06/11/2024 15:30	WG2298288
Cobalt	11.7		0.0892	1.10	1	06/11/2024 15:30	WG2298288
Copper	34.9		0.440	2.20	1	06/11/2024 15:30	WG2298288
Lead	33.8		0.229	0.550	1	06/11/2024 15:30	WG2298288
Molybdenum	0.732		0.120	0.550	1	06/11/2024 15:30	WG2298288
Nickel	22.1		0.145	2.20	1	06/11/2024 15:30	WG2298288
Selenium	U		0.841	2.20	1	06/11/2024 15:30	WG2298288
Silver	0.179	J	0.140	1.10	1	06/11/2024 15:30	WG2298288
Thallium	U		0.434	2.20	1	06/11/2024 15:30	WG2298288
Vanadium	42.4		0.557	2.20	1	06/11/2024 15:30	WG2298288
Zinc	83.4		0.915	5.50	1	06/11/2024 15:30	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.52	B J	0.997	3.00	25	05/31/2024 20:47	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*05/31/2024 20:47*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0438	0.0600	1	06/02/2024 22:35	WG2297144
Acrylonitrile	U		0.00433	0.0150	1	06/02/2024 22:35	WG2297144
Benzene	0.000841	J	0.000561	0.00120	1	06/02/2024 22:35	WG2297144
Bromobenzene	U		0.00108	0.0150	1	06/02/2024 22:35	WG2297144
Bromodichloromethane	U		0.000871	0.00300	1	06/02/2024 22:35	WG2297144
Bromoform	U		0.00140	0.0300	1	06/02/2024 22:35	WG2297144
Bromomethane	U		0.00237	0.0150	1	06/02/2024 22:35	WG2297144
n-Butylbenzene	U		0.00630	0.0150	1	06/02/2024 22:35	WG2297144
sec-Butylbenzene	U		0.00346	0.0150	1	06/02/2024 22:35	WG2297144
tert-Butylbenzene	U		0.00234	0.00600	1	06/02/2024 22:35	WG2297144
Carbon tetrachloride	U		0.00108	0.00600	1	06/02/2024 22:35	WG2297144
Chlorobenzene	U		0.000252	0.00300	1	06/02/2024 22:35	WG2297144
Chlorodibromomethane	U		0.000735	0.00300	1	06/02/2024 22:35	WG2297144
Chloroethane	U		0.00204	0.00600	1	06/02/2024 22:35	WG2297144
Chloroform	U		0.00124	0.00300	1	06/02/2024 22:35	WG2297144
Chloromethane	U		0.00522	0.0150	1	06/02/2024 22:35	WG2297144
2-Chlorotoluene	U		0.00104	0.00300	1	06/02/2024 22:35	WG2297144
4-Chlorotoluene	U		0.000540	0.00600	1	06/02/2024 22:35	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00468	0.0300	1	06/02/2024 22:35	WG2297144
1,2-Dibromoethane	U		0.000778	0.00300	1	06/02/2024 22:35	WG2297144
Dibromomethane	U		0.000901	0.00600	1	06/02/2024 22:35	WG2297144
1,2-Dichlorobenzene	U		0.000510	0.00600	1	06/02/2024 22:35	WG2297144
1,3-Dichlorobenzene	U		0.000720	0.00600	1	06/02/2024 22:35	WG2297144
1,4-Dichlorobenzene	U		0.000841	0.00600	1	06/02/2024 22:35	WG2297144
Dichlorodifluoromethane	U		0.00193	0.00600	1	06/02/2024 22:35	WG2297144
1,1-Dichloroethane	U		0.000590	0.00300	1	06/02/2024 22:35	WG2297144
1,2-Dichloroethane	U		0.000779	0.00300	1	06/02/2024 22:35	WG2297144
1,1-Dichloroethene	U		0.000728	0.00300	1	06/02/2024 22:35	WG2297144
cis-1,2-Dichloroethene	U		0.000881	0.00300	1	06/02/2024 22:35	WG2297144
trans-1,2-Dichloroethene	U		0.00125	0.00600	1	06/02/2024 22:35	WG2297144
1,2-Dichloropropane	U		0.00171	0.00600	1	06/02/2024 22:35	WG2297144
1,1-Dichloropropene	U		0.000971	0.00300	1	06/02/2024 22:35	WG2297144
1,3-Dichloropropane	U		0.000602	0.00600	1	06/02/2024 22:35	WG2297144
cis-1,3-Dichloropropene	U		0.000909	0.00300	1	06/02/2024 22:35	WG2297144
trans-1,3-Dichloropropene	U		0.00137	0.00600	1	06/02/2024 22:35	WG2297144
2,2-Dichloropropane	U	J3	0.00166	0.00300	1	06/02/2024 22:35	WG2297144
Di-isopropyl ether	U		0.000492	0.00120	1	06/02/2024 22:35	WG2297144
Ethylbenzene	0.00180	J	0.000885	0.00300	1	06/02/2024 22:35	WG2297144
Hexachloro-1,3-butadiene	U		0.00720	0.0300	1	06/02/2024 22:35	WG2297144
Isopropylbenzene	U		0.000510	0.00300	1	06/02/2024 22:35	WG2297144
p-Isopropyltoluene	U		0.00306	0.00600	1	06/02/2024 22:35	WG2297144
2-Butanone (MEK)	U		0.0762	0.120	1	06/02/2024 22:35	WG2297144
Methylene Chloride	U		0.00797	0.0300	1	06/02/2024 22:35	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0300	1	06/02/2024 22:35	WG2297144
Methyl tert-butyl ether	U		0.000420	0.00120	1	06/02/2024 22:35	WG2297144
Naphthalene	U		0.00586	0.0150	1	06/02/2024 22:35	WG2297144
n-Propylbenzene	U		0.00114	0.00600	1	06/02/2024 22:35	WG2297144
Styrene	U		0.000275	0.0150	1	06/02/2024 22:35	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00114	0.00300	1	06/02/2024 22:35	WG2297144
1,1,2,2-Tetrachloroethane	U		0.000835	0.00300	1	06/02/2024 22:35	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.000905	0.00300	1	06/02/2024 22:35	WG2297144
Tetrachloroethene	U		0.00108	0.00300	1	06/02/2024 22:35	WG2297144
Toluene	U		0.00156	0.00600	1	06/02/2024 22:35	WG2297144
1,2,3-Trichlorobenzene	U		0.00880	0.0150	1	06/02/2024 22:35	WG2297144
1,2,4-Trichlorobenzene	U		0.00528	0.0150	1	06/02/2024 22:35	WG2297144
1,1,1-Trichloroethane	U		0.00111	0.00300	1	06/02/2024 22:35	WG2297144
1,1,2-Trichloroethane	U		0.000717	0.00300	1	06/02/2024 22:35	WG2297144
Trichloroethene	U		0.000701	0.00120	1	06/02/2024 22:35	WG2297144
Trichlorofluoromethane	U		0.000993	0.00300	1	06/02/2024 22:35	WG2297144
1,2,3-Trichloropropane	U		0.00195	0.0150	1	06/02/2024 22:35	WG2297144
1,2,4-Trimethylbenzene	U		0.00190	0.00600	1	06/02/2024 22:35	WG2297144
1,2,3-Trimethylbenzene	U		0.00190	0.00600	1	06/02/2024 22:35	WG2297144
1,3,5-Trimethylbenzene	U		0.00240	0.00600	1	06/02/2024 22:35	WG2297144
Vinyl chloride	U		0.00139	0.00300	1	06/02/2024 22:35	WG2297144
Xylenes, Total	0.00261	J	0.00106	0.00780	1	06/02/2024 22:35	WG2297144
(S) Toluene-d8	*104*			*75.0-131*		*06/02/2024 22:35*	WG2297144
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/02/2024 22:35*	WG2297144
(S) 1,2-Dichloroethane-d4	*88.1*			*70.0-130*		*06/02/2024 22:35*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	56.0	J	16.2	88.0	20	06/04/2024 23:03	WG2297499
C22-C32 Hydrocarbons	212		29.3	88.0	20	06/04/2024 23:03	WG2297499
C32-C40 Hydrocarbons	204		29.3	88.0	20	06/04/2024 23:03	WG2297499
(S) o-Terphenyl	*74.0*	J7		*18.0-148*		*06/04/2024 23:03*	WG2297499

Sample Narrative:

L1740668-18 WG2297499: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0593	0.366	10	06/07/2024 03:17	WG2299526
Acenaphthylene	U		0.0516	0.366	10	06/07/2024 03:17	WG2299526
Anthracene	U		0.0652	0.366	10	06/07/2024 03:17	WG2299526
Benzidine	U		0.689	18.4	10	06/07/2024 03:17	WG2299526
Benzo(a)anthracene	U		0.0646	0.366	10	06/07/2024 03:17	WG2299526
Benzo(b)fluoranthene	U		0.0683	0.366	10	06/07/2024 03:17	WG2299526
Benzo(k)fluoranthene	U		0.0651	0.366	10	06/07/2024 03:17	WG2299526
Benzo(g,h,i)perylene	U		0.0670	0.366	10	06/07/2024 03:17	WG2299526
Benzo(a)pyrene	U		0.0681	0.366	10	06/07/2024 03:17	WG2299526
Bis(2-chlorethoxy)methane	U		0.110	3.66	10	06/07/2024 03:17	WG2299526
Bis(2-chloroethyl)ether	U		0.121	3.66	10	06/07/2024 03:17	WG2299526
2,2-Oxybis(1-Chloropropane)	U		0.158	3.66	10	06/07/2024 03:17	WG2299526
4-Bromophenyl-phenylether	U		0.129	3.66	10	06/07/2024 03:17	WG2299526
2-Chloronaphthalene	U		0.0644	0.366	10	06/07/2024 03:17	WG2299526
4-Chlorophenyl-phenylether	U		0.128	3.66	10	06/07/2024 03:17	WG2299526
Chrysene	U		0.0728	0.366	10	06/07/2024 03:17	WG2299526
Dibenz(a,h)anthracene	U		0.102	0.366	10	06/07/2024 03:17	WG2299526
1,2-Dichlorobenzene	U		0.109	3.66	10	06/07/2024 03:17	WG2299526
1,3-Dichlorobenzene	U		0.111	3.66	10	06/07/2024 03:17	WG2299526
1,4-Dichlorobenzene	U		0.109	3.66	10	06/07/2024 03:17	WG2299526
3,3-Dichlorobenzidine	U		0.135	3.66	10	06/07/2024 03:17	WG2299526
2,4-Dinitrotoluene	U		0.105	3.66	10	06/07/2024 03:17	WG2299526
2,6-Dinitrotoluene	U		0.120	3.66	10	06/07/2024 03:17	WG2299526
Fluoranthene	U		0.0661	0.366	10	06/07/2024 03:17	WG2299526
Fluorene	U		0.0596	0.366	10	06/07/2024 03:17	WG2299526
Hexachlorobenzene	U		0.130	3.66	10	06/07/2024 03:17	WG2299526
Hexachloro-1,3-butadiene	U		0.123	3.66	10	06/07/2024 03:17	WG2299526
Hexachlorocyclopentadiene	U		0.193	3.66	10	06/07/2024 03:17	WG2299526
Hexachloroethane	U		0.144	3.66	10	06/07/2024 03:17	WG2299526
Indeno(1,2,3-cd)pyrene	U		0.104	0.366	10	06/07/2024 03:17	WG2299526
Isophorone	U		0.112	3.66	10	06/07/2024 03:17	WG2299526
Naphthalene	U		0.0920	0.366	10	06/07/2024 03:17	WG2299526
Nitrobenzene	U		0.128	3.66	10	06/07/2024 03:17	WG2299526
n-Nitrosodimethylamine	U		0.544	3.66	10	06/07/2024 03:17	WG2299526
n-Nitrosodiphenylamine	U		0.277	3.66	10	06/07/2024 03:17	WG2299526
n-Nitrosodi-n-propylamine	U		0.122	3.66	10	06/07/2024 03:17	WG2299526
Phenanthrene	U		0.0727	0.366	10	06/07/2024 03:17	WG2299526
Benzylbutyl phthalate	U		0.114	3.66	10	06/07/2024 03:17	WG2299526
Bis(2-ethylhexyl)phthalate	U		0.464	3.66	10	06/07/2024 03:17	WG2299526
Di-n-butyl phthalate	U		0.125	3.66	10	06/07/2024 03:17	WG2299526
Diethyl phthalate	U		0.121	3.66	10	06/07/2024 03:17	WG2299526
Dimethyl phthalate	U		0.777	3.66	10	06/07/2024 03:17	WG2299526
Di-n-octyl phthalate	U		0.248	3.66	10	06/07/2024 03:17	WG2299526
Pyrene	U		0.0713	0.366	10	06/07/2024 03:17	WG2299526
1,2,4-Trichlorobenzene	U		0.114	3.66	10	06/07/2024 03:17	WG2299526

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.119	3.66	10	06/07/2024 03:17	WG2299526
2-Chlorophenol	U		0.121	3.66	10	06/07/2024 03:17	WG2299526
2,4-Dichlorophenol	U		0.107	3.66	10	06/07/2024 03:17	WG2299526
2,4-Dimethylphenol	U		0.0957	3.66	10	06/07/2024 03:17	WG2299526
4,6-Dinitro-2-methylphenol	U		0.831	3.66	10	06/07/2024 03:17	WG2299526
2,4-Dinitrophenol	U		0.857	3.66	10	06/07/2024 03:17	WG2299526
2-Nitrophenol	U		0.131	3.66	10	06/07/2024 03:17	WG2299526
4-Nitrophenol	U		0.114	3.66	10	06/07/2024 03:17	WG2299526
Pentachlorophenol	U		0.0986	3.66	10	06/07/2024 03:17	WG2299526
Phenol	U		0.147	3.66	10	06/07/2024 03:17	WG2299526
2,4,6-Trichlorophenol	U		0.118	3.66	10	06/07/2024 03:17	WG2299526
(S) 2-Fluorophenol	*83.7*			*12.0-120*		*06/07/2024 03:17*	WG2299526
(S) Phenol-d5	*69.7*			*10.0-120*		*06/07/2024 03:17*	WG2299526
(S) Nitrobenzene-d5	*62.7*			*10.0-122*		*06/07/2024 03:17*	WG2299526
(S) 2-Fluorobiphenyl	*71.7*			*15.0-120*		*06/07/2024 03:17*	WG2299526
(S) 2,4,6-Tribromophenol	*69.4*			*10.0-127*		*06/07/2024 03:17*	WG2299526
(S) p-Terphenyl-d14	*68.0*			*10.0-120*		*06/07/2024 03:17*	WG2299526

Sample Narrative:

L1740668-18 WG2299526: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	05/31/2024 07:38	WG2295888

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.21	B J	1.29	3.90	25	05/31/2024 21:06	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*05/31/2024 21:06*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0569	0.0780	1	06/02/2024 22:55	WG2297144
Acrylonitrile	U		0.00563	0.0195	1	06/02/2024 22:55	WG2297144
Benzene	U		0.000728	0.00156	1	06/02/2024 22:55	WG2297144
Bromobenzene	U		0.00140	0.0195	1	06/02/2024 22:55	WG2297144
Bromodichloromethane	U		0.00113	0.00390	1	06/02/2024 22:55	WG2297144
Bromoform	U		0.00182	0.0390	1	06/02/2024 22:55	WG2297144
Bromomethane	U		0.00307	0.0195	1	06/02/2024 22:55	WG2297144
n-Butylbenzene	U		0.00819	0.0195	1	06/02/2024 22:55	WG2297144
sec-Butylbenzene	U		0.00449	0.0195	1	06/02/2024 22:55	WG2297144
tert-Butylbenzene	U		0.00304	0.00780	1	06/02/2024 22:55	WG2297144
Carbon tetrachloride	U		0.00140	0.00780	1	06/02/2024 22:55	WG2297144
Chlorobenzene	U		0.000327	0.00390	1	06/02/2024 22:55	WG2297144
Chlorodibromomethane	U		0.000954	0.00390	1	06/02/2024 22:55	WG2297144
Chloroethane	U		0.00265	0.00780	1	06/02/2024 22:55	WG2297144
Chloroform	U		0.00161	0.00390	1	06/02/2024 22:55	WG2297144
Chloromethane	U		0.00678	0.0195	1	06/02/2024 22:55	WG2297144
2-Chlorotoluene	U		0.00135	0.00390	1	06/02/2024 22:55	WG2297144
4-Chlorotoluene	U		0.000702	0.00780	1	06/02/2024 22:55	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00608	0.0390	1	06/02/2024 22:55	WG2297144
1,2-Dibromoethane	U		0.00101	0.00390	1	06/02/2024 22:55	WG2297144
Dibromomethane	U		0.00117	0.00780	1	06/02/2024 22:55	WG2297144
1,2-Dichlorobenzene	U		0.000663	0.00780	1	06/02/2024 22:55	WG2297144
1,3-Dichlorobenzene	U		0.000936	0.00780	1	06/02/2024 22:55	WG2297144
1,4-Dichlorobenzene	U		0.00109	0.00780	1	06/02/2024 22:55	WG2297144
Dichlorodifluoromethane	U		0.00251	0.00780	1	06/02/2024 22:55	WG2297144
1,1-Dichloroethane	U		0.000766	0.00390	1	06/02/2024 22:55	WG2297144
1,2-Dichloroethane	U		0.00101	0.00390	1	06/02/2024 22:55	WG2297144
1,1-Dichloroethene	U		0.000945	0.00390	1	06/02/2024 22:55	WG2297144
cis-1,2-Dichloroethene	U		0.00114	0.00390	1	06/02/2024 22:55	WG2297144
trans-1,2-Dichloroethene	U		0.00162	0.00780	1	06/02/2024 22:55	WG2297144
1,2-Dichloropropane	U		0.00221	0.00780	1	06/02/2024 22:55	WG2297144
1,1-Dichloropropene	U		0.00126	0.00390	1	06/02/2024 22:55	WG2297144
1,3-Dichloropropane	U		0.000781	0.00780	1	06/02/2024 22:55	WG2297144
cis-1,3-Dichloropropene	U		0.00118	0.00390	1	06/02/2024 22:55	WG2297144
trans-1,3-Dichloropropene	U		0.00178	0.00780	1	06/02/2024 22:55	WG2297144
2,2-Dichloropropane	U	J3	0.00215	0.00390	1	06/02/2024 22:55	WG2297144
Di-isopropyl ether	U		0.000639	0.00156	1	06/02/2024 22:55	WG2297144
Ethylbenzene	U		0.00115	0.00390	1	06/02/2024 22:55	WG2297144
Hexachloro-1,3-butadiene	U		0.00936	0.0390	1	06/02/2024 22:55	WG2297144
Isopropylbenzene	U		0.000663	0.00390	1	06/02/2024 22:55	WG2297144
p-Isopropyltoluene	U		0.00398	0.00780	1	06/02/2024 22:55	WG2297144
2-Butanone (MEK)	U		0.0990	0.156	1	06/02/2024 22:55	WG2297144
Methylene Chloride	U		0.0104	0.0390	1	06/02/2024 22:55	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00356	0.0390	1	06/02/2024 22:55	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000546	0.00156	1	06/02/2024 22:55	WG2297144
Naphthalene	U		0.00761	0.0195	1	06/02/2024 22:55	WG2297144
n-Propylbenzene	U		0.00148	0.00780	1	06/02/2024 22:55	WG2297144
Styrene	U		0.000357	0.0195	1	06/02/2024 22:55	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00148	0.00390	1	06/02/2024 22:55	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00108	0.00390	1	06/02/2024 22:55	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00390	1	06/02/2024 22:55	WG2297144
Tetrachloroethene	U		0.00140	0.00390	1	06/02/2024 22:55	WG2297144
Toluene	U		0.00203	0.00780	1	06/02/2024 22:55	WG2297144
1,2,3-Trichlorobenzene	U		0.0114	0.0195	1	06/02/2024 22:55	WG2297144
1,2,4-Trichlorobenzene	U		0.00686	0.0195	1	06/02/2024 22:55	WG2297144
1,1,1-Trichloroethane	U		0.00144	0.00390	1	06/02/2024 22:55	WG2297144
1,1,2-Trichloroethane	U		0.000931	0.00390	1	06/02/2024 22:55	WG2297144
Trichloroethene	U		0.000911	0.00156	1	06/02/2024 22:55	WG2297144
Trichlorofluoromethane	U		0.00129	0.00390	1	06/02/2024 22:55	WG2297144
1,2,3-Trichloropropane	U		0.00253	0.0195	1	06/02/2024 22:55	WG2297144
1,2,4-Trimethylbenzene	U		0.00246	0.00780	1	06/02/2024 22:55	WG2297144
1,2,3-Trimethylbenzene	U		0.00246	0.00780	1	06/02/2024 22:55	WG2297144
1,3,5-Trimethylbenzene	U		0.00312	0.00780	1	06/02/2024 22:55	WG2297144
Vinyl chloride	U		0.00181	0.00390	1	06/02/2024 22:55	WG2297144
Xylenes, Total	U		0.00137	0.0101	1	06/02/2024 22:55	WG2297144
(S) Toluene-d8	*101*			*75.0-131*		*06/02/2024 22:55*	WG2297144
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/02/2024 22:55*	WG2297144
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*06/02/2024 22:55*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	4.57	J	0.931	5.08	1	06/04/2024 18:11	WG2297499
C22-C32 Hydrocarbons	20.4		1.69	5.08	1	06/04/2024 18:11	WG2297499
C32-C40 Hydrocarbons	21.1		1.69	5.08	1	06/04/2024 18:11	WG2297499
(S) o-Terphenyl	*48.4*			*18.0-148*		*06/04/2024 18:11*	WG2297499

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0460	J	0.0212	0.0472	1	05/31/2024 16:29	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.16		0.642	2.36	1	06/11/2024 15:32	WG2298288
Arsenic	5.57		0.611	2.36	1	06/11/2024 15:32	WG2298288
Barium	165		0.101	0.590	1	06/11/2024 15:32	WG2298288
Beryllium	0.199	J	0.0372	0.236	1	06/11/2024 15:32	WG2298288
Cadmium	0.133	J	0.0556	0.590	1	06/11/2024 15:32	WG2298288
Chromium	31.5		0.157	1.18	1	06/11/2024 15:32	WG2298288
Cobalt	13.5		0.0957	1.18	1	06/11/2024 15:32	WG2298288
Copper	32.9		0.472	2.36	1	06/11/2024 15:32	WG2298288
Lead	7.60		0.246	0.590	1	06/11/2024 15:32	WG2298288
Molybdenum	0.563	J	0.129	0.590	1	06/11/2024 15:32	WG2298288
Nickel	39.4		0.156	2.36	1	06/11/2024 15:32	WG2298288
Selenium	U		0.902	2.36	1	06/11/2024 15:32	WG2298288
Silver	3.02		0.150	1.18	1	06/11/2024 15:32	WG2298288
Thallium	U		0.465	2.36	1	06/11/2024 15:32	WG2298288
Vanadium	53.5		0.597	2.36	1	06/11/2024 15:32	WG2298288
Zinc	41.0		0.982	5.90	1	06/11/2024 15:32	WG2298288

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0139	0.0401	1	06/03/2024 18:13	WG2297376
PCB 1221	U		0.0139	0.0401	1	06/03/2024 18:13	WG2297376
PCB 1232	U		0.0139	0.0401	1	06/03/2024 18:13	WG2297376
PCB 1242	0.157		0.0139	0.0401	1	06/04/2024 13:44	WG2297376
PCB 1248	U		0.00871	0.0201	1	06/03/2024 18:13	WG2297376
PCB 1254	U		0.00871	0.0201	1	06/03/2024 18:13	WG2297376
PCB 1260	0.0124	J	0.00871	0.0201	1	06/04/2024 13:44	WG2297376
(S) Decachlorobiphenyl	*69.5*			*10.0-135*		*06/03/2024 18:13*	WG2297376
(S) Decachlorobiphenyl	*49.1*			*10.0-135*		*06/04/2024 13:44*	WG2297376
(S) Tetrachloro-m-xylene	*64.1*			*10.0-139*		*06/04/2024 13:44*	WG2297376
(S) Tetrachloro-m-xylene	*69.3*			*10.0-139*		*06/03/2024 18:13*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00636	0.0393	1	06/06/2024 11:28	WG2298678
Acenaphthylene	U		0.00554	0.0393	1	06/06/2024 11:28	WG2298678
Anthracene	U		0.00700	0.0393	1	06/06/2024 11:28	WG2298678
Benzidine	U		0.0739	1.97	1	06/06/2024 11:28	WG2298678
Benzo(a)anthracene	U		0.00693	0.0393	1	06/06/2024 11:28	WG2298678
Benzo(b)fluoranthene	U		0.00733	0.0393	1	06/06/2024 11:28	WG2298678
Benzo(k)fluoranthene	U		0.00699	0.0393	1	06/06/2024 11:28	WG2298678
Benzo(g,h,i)perylene	U		0.00719	0.0393	1	06/06/2024 11:28	WG2298678
Benzo(a)pyrene	U		0.00731	0.0393	1	06/06/2024 11:28	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0118	0.393	1	06/06/2024 11:28	WG2298678
Bis(2-chloroethyl)ether	U		0.0130	0.393	1	06/06/2024 11:28	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0170	0.393	1	06/06/2024 11:28	WG2298678
4-Bromophenyl-phenylether	U		0.0138	0.393	1	06/06/2024 11:28	WG2298678
2-Chloronaphthalene	U		0.00690	0.0393	1	06/06/2024 11:28	WG2298678
4-Chlorophenyl-phenylether	U		0.0137	0.393	1	06/06/2024 11:28	WG2298678
Chrysene	U		0.00781	0.0393	1	06/06/2024 11:28	WG2298678
Dibenz(a,h)anthracene	U		0.0109	0.0393	1	06/06/2024 11:28	WG2298678
1,2-Dichlorobenzene	U		0.0116	0.393	1	06/06/2024 11:28	WG2298678
1,3-Dichlorobenzene	U		0.0119	0.393	1	06/06/2024 11:28	WG2298678
1,4-Dichlorobenzene	U		0.0117	0.393	1	06/06/2024 11:28	WG2298678
3,3-Dichlorobenzidine	U		0.0145	0.393	1	06/06/2024 11:28	WG2298678
2,4-Dinitrotoluene	U		0.0113	0.393	1	06/06/2024 11:28	WG2298678
2,6-Dinitrotoluene	U		0.0129	0.393	1	06/06/2024 11:28	WG2298678
Fluoranthene	0.0140	J	0.00709	0.0393	1	06/06/2024 11:28	WG2298678
Fluorene	U		0.00640	0.0393	1	06/06/2024 11:28	WG2298678
Hexachlorobenzene	U		0.0139	0.393	1	06/06/2024 11:28	WG2298678
Hexachloro-1,3-butadiene	U		0.0132	0.393	1	06/06/2024 11:28	WG2298678
Hexachlorocyclopentadiene	U		0.0207	0.393	1	06/06/2024 11:28	WG2298678
Hexachloroethane	U		0.0155	0.393	1	06/06/2024 11:28	WG2298678
Indeno(1,2,3-cd)pyrene	U		0.0111	0.0393	1	06/06/2024 11:28	WG2298678
Isophorone	U		0.0120	0.393	1	06/06/2024 11:28	WG2298678
Naphthalene	U		0.00987	0.0393	1	06/06/2024 11:28	WG2298678
Nitrobenzene	U		0.0137	0.393	1	06/06/2024 11:28	WG2298678
n-Nitrosodimethylamine	U		0.0583	0.393	1	06/06/2024 11:28	WG2298678
n-Nitrosodiphenylamine	U		0.0297	0.393	1	06/06/2024 11:28	WG2298678
n-Nitrosodi-n-propylamine	U		0.0131	0.393	1	06/06/2024 11:28	WG2298678
Phenanthrene	U		0.00780	0.0393	1	06/06/2024 11:28	WG2298678
Benzylbutyl phthalate	U		0.0123	0.393	1	06/06/2024 11:28	WG2298678
Bis(2-ethylhexyl)phthalate	0.177	J	0.0498	0.393	1	06/06/2024 11:28	WG2298678
Di-n-butyl phthalate	U		0.0135	0.393	1	06/06/2024 11:28	WG2298678
Diethyl phthalate	U		0.0130	0.393	1	06/06/2024 11:28	WG2298678
Dimethyl phthalate	U		0.0833	0.393	1	06/06/2024 11:28	WG2298678
Di-n-octyl phthalate	U		0.0266	0.393	1	06/06/2024 11:28	WG2298678
Pyrene	0.0158	J	0.00765	0.0393	1	06/06/2024 11:28	WG2298678
1,2,4-Trichlorobenzene	U		0.0123	0.393	1	06/06/2024 11:28	WG2298678
4-Chloro-3-methylphenol	U		0.0127	0.393	1	06/06/2024 11:28	WG2298678
2-Chlorophenol	U		0.0130	0.393	1	06/06/2024 11:28	WG2298678
2,4-Dichlorophenol	U		0.0114	0.393	1	06/06/2024 11:28	WG2298678
2,4-Dimethylphenol	U		0.0103	0.393	1	06/06/2024 11:28	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0891	0.393	1	06/06/2024 11:28	WG2298678
2,4-Dinitrophenol	U		0.0919	0.393	1	06/06/2024 11:28	WG2298678
2-Nitrophenol	U		0.0140	0.393	1	06/06/2024 11:28	WG2298678
4-Nitrophenol	U		0.0123	0.393	1	06/06/2024 11:28	WG2298678
Pentachlorophenol	U		0.0106	0.393	1	06/06/2024 11:28	WG2298678
Phenol	U		0.0158	0.393	1	06/06/2024 11:28	WG2298678
2,4,6-Trichlorophenol	U		0.0126	0.393	1	06/06/2024 11:28	WG2298678
(S) 2-Fluorophenol	*53.2*			*12.0-120*		*06/06/2024 11:28*	WG2298678
(S) Phenol-d5	*49.7*			*10.0-120*		*06/06/2024 11:28*	WG2298678
(S) Nitrobenzene-d5	*40.0*			*10.0-122*		*06/06/2024 11:28*	WG2298678
(S) 2-Fluorobiphenyl	*53.0*			*15.0-120*		*06/06/2024 11:28*	WG2298678
(S) 2,4,6-Tribromophenol	*57.3*			*10.0-127*		*06/06/2024 11:28*	WG2298678
(S) p-Terphenyl-d14	*65.8*			*10.0-120*		*06/06/2024 11:28*	WG2298678

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	05/31/2024 07:38	WG2295888

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0830		0.0219	0.0487	1	05/31/2024 16:31	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.40	J	0.662	2.43	1	06/11/2024 15:34	WG2298288
Arsenic	13.9		0.630	2.43	1	06/11/2024 15:34	WG2298288
Barium	337		0.104	0.608	1	06/11/2024 15:34	WG2298288
Beryllium	0.432		0.0383	0.243	1	06/11/2024 15:34	WG2298288
Cadmium	0.708		0.0573	0.608	1	06/11/2024 15:34	WG2298288
Chromium	26.2		0.162	1.22	1	06/11/2024 15:34	WG2298288
Cobalt	9.38		0.0987	1.22	1	06/11/2024 15:34	WG2298288
Copper	32.3		0.487	2.43	1	06/11/2024 15:34	WG2298288
Lead	35.2		0.253	0.608	1	06/11/2024 15:34	WG2298288
Molybdenum	0.347	J	0.133	0.608	1	06/11/2024 15:34	WG2298288
Nickel	38.3		0.161	2.43	1	06/11/2024 15:34	WG2298288
Selenium	U		0.930	2.43	1	06/11/2024 15:34	WG2298288
Silver	0.217	J	0.155	1.22	1	06/11/2024 15:34	WG2298288
Thallium	U		0.479	2.43	1	06/11/2024 15:34	WG2298288
Vanadium	34.1		0.616	2.43	1	06/11/2024 15:34	WG2298288
Zinc	77.8		1.01	6.08	1	06/11/2024 15:34	WG2298288

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0537	0.0735	1	06/02/2024 23:15	WG2297144
Acrylonitrile	U		0.00531	0.0184	1	06/02/2024 23:15	WG2297144
Benzene	0.00272		0.000687	0.00147	1	06/02/2024 23:15	WG2297144
Bromobenzene	U		0.00132	0.0184	1	06/02/2024 23:15	WG2297144
Bromodichloromethane	U		0.00107	0.00368	1	06/02/2024 23:15	WG2297144
Bromoform	U		0.00172	0.0368	1	06/02/2024 23:15	WG2297144
Bromomethane	U		0.00290	0.0184	1	06/02/2024 23:15	WG2297144
n-Butylbenzene	U		0.00772	0.0184	1	06/02/2024 23:15	WG2297144
sec-Butylbenzene	U		0.00423	0.0184	1	06/02/2024 23:15	WG2297144
tert-Butylbenzene	U		0.00287	0.00735	1	06/02/2024 23:15	WG2297144
Carbon tetrachloride	U		0.00132	0.00735	1	06/02/2024 23:15	WG2297144
Chlorobenzene	U		0.000309	0.00368	1	06/02/2024 23:15	WG2297144
Chlorodibromomethane	U		0.000900	0.00368	1	06/02/2024 23:15	WG2297144
Chloroethane	U		0.00250	0.00735	1	06/02/2024 23:15	WG2297144
Chloroform	U		0.00151	0.00368	1	06/02/2024 23:15	WG2297144
Chloromethane	U		0.00640	0.0184	1	06/02/2024 23:15	WG2297144
2-Chlorotoluene	U		0.00127	0.00368	1	06/02/2024 23:15	WG2297144
4-Chlorotoluene	U		0.000662	0.00735	1	06/02/2024 23:15	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0368	1	06/02/2024 23:15	WG2297144
1,2-Dibromoethane	U		0.000953	0.00368	1	06/02/2024 23:15	WG2297144
Dibromomethane	U		0.00110	0.00735	1	06/02/2024 23:15	WG2297144
1,2-Dichlorobenzene	U		0.000625	0.00735	1	06/02/2024 23:15	WG2297144
1,3-Dichlorobenzene	U		0.000882	0.00735	1	06/02/2024 23:15	WG2297144
1,4-Dichlorobenzene	U		0.00103	0.00735	1	06/02/2024 23:15	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00237	0.00735	1	06/02/2024 23:15	WG2297144
1,1-Dichloroethane	U		0.000722	0.00368	1	06/02/2024 23:15	WG2297144
1,2-Dichloroethane	U		0.000954	0.00368	1	06/02/2024 23:15	WG2297144
1,1-Dichloroethene	U		0.000891	0.00368	1	06/02/2024 23:15	WG2297144
cis-1,2-Dichloroethene	U		0.00108	0.00368	1	06/02/2024 23:15	WG2297144
trans-1,2-Dichloroethene	U		0.00153	0.00735	1	06/02/2024 23:15	WG2297144
1,2-Dichloropropane	U		0.00209	0.00735	1	06/02/2024 23:15	WG2297144
1,1-Dichloropropene	U		0.00119	0.00368	1	06/02/2024 23:15	WG2297144
1,3-Dichloropropane	U		0.000737	0.00735	1	06/02/2024 23:15	WG2297144
cis-1,3-Dichloropropene	U		0.00111	0.00368	1	06/02/2024 23:15	WG2297144
trans-1,3-Dichloropropene	U		0.00168	0.00735	1	06/02/2024 23:15	WG2297144
2,2-Dichloropropane	U	J3	0.00203	0.00368	1	06/02/2024 23:15	WG2297144
Di-isopropyl ether	U		0.000603	0.00147	1	06/02/2024 23:15	WG2297144
Ethylbenzene	0.00154	J	0.00108	0.00368	1	06/02/2024 23:15	WG2297144
Hexachloro-1,3-butadiene	U		0.00882	0.0368	1	06/02/2024 23:15	WG2297144
Isopropylbenzene	U		0.000625	0.00368	1	06/02/2024 23:15	WG2297144
p-Isopropyltoluene	U		0.00375	0.00735	1	06/02/2024 23:15	WG2297144
2-Butanone (MEK)	U		0.0934	0.147	1	06/02/2024 23:15	WG2297144
Methylene Chloride	U		0.00976	0.0368	1	06/02/2024 23:15	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00335	0.0368	1	06/02/2024 23:15	WG2297144
Methyl tert-butyl ether	U		0.000515	0.00147	1	06/02/2024 23:15	WG2297144
Naphthalene	0.0276		0.00717	0.0184	1	06/02/2024 23:15	WG2297144
n-Propylbenzene	U		0.00140	0.00735	1	06/02/2024 23:15	WG2297144
Styrene	U		0.000337	0.0184	1	06/02/2024 23:15	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00139	0.00368	1	06/02/2024 23:15	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00102	0.00368	1	06/02/2024 23:15	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00368	1	06/02/2024 23:15	WG2297144
Tetrachloroethene	U		0.00132	0.00368	1	06/02/2024 23:15	WG2297144
Toluene	0.00360	J	0.00191	0.00735	1	06/02/2024 23:15	WG2297144
1,2,3-Trichlorobenzene	U		0.0108	0.0184	1	06/02/2024 23:15	WG2297144
1,2,4-Trichlorobenzene	U		0.00647	0.0184	1	06/02/2024 23:15	WG2297144
1,1,1-Trichloroethane	U		0.00136	0.00368	1	06/02/2024 23:15	WG2297144
1,1,2-Trichloroethane	U		0.000878	0.00368	1	06/02/2024 23:15	WG2297144
Trichloroethene	U		0.000859	0.00147	1	06/02/2024 23:15	WG2297144
Trichlorofluoromethane	U		0.00122	0.00368	1	06/02/2024 23:15	WG2297144
1,2,3-Trichloropropane	U		0.00238	0.0184	1	06/02/2024 23:15	WG2297144
1,2,4-Trimethylbenzene	U		0.00232	0.00735	1	06/02/2024 23:15	WG2297144
1,2,3-Trimethylbenzene	0.00247	J	0.00232	0.00735	1	06/02/2024 23:15	WG2297144
1,3,5-Trimethylbenzene	U		0.00294	0.00735	1	06/02/2024 23:15	WG2297144
Vinyl chloride	U		0.00171	0.00368	1	06/02/2024 23:15	WG2297144
Xylenes, Total	0.00522	J	0.00129	0.00956	1	06/02/2024 23:15	WG2297144
(S) Toluene-d8	*103*			*75.0-131*		*06/02/2024 23:15*	WG2297144
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/02/2024 23:15*	WG2297144
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*06/02/2024 23:15*	WG2297144

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U	J3 J5	0.0144	0.0414	1	06/14/2024 21:24	WG2304143
PCB 1221	U		0.0144	0.0414	1	06/14/2024 21:24	WG2304143
PCB 1232	U		0.0144	0.0414	1	06/14/2024 21:24	WG2304143
PCB 1242	U		0.0144	0.0414	1	06/14/2024 21:24	WG2304143
PCB 1248	U		0.00898	0.0207	1	06/14/2024 21:24	WG2304143
PCB 1254	U		0.00898	0.0207	1	06/14/2024 21:24	WG2304143
PCB 1260	U		0.00898	0.0207	1	06/14/2024 21:24	WG2304143
(S) Decachlorobiphenyl	*85.0*			*10.0-135*		*06/14/2024 21:24*	WG2304143

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*74.3*			*10.0-139*		*06/14/2024 21:24*	WG2304143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00660	J	0.00656	0.0405	1	06/06/2024 12:42	WG2298678
Acenaphthylene	U		0.00571	0.0405	1	06/06/2024 12:42	WG2298678
Anthracene	0.00737	J	0.00722	0.0405	1	06/06/2024 12:42	WG2298678
Benzidine	U	J6	0.0762	2.03	1	06/06/2024 12:42	WG2298678
Benzo(a)anthracene	0.129	J3	0.00714	0.0405	1	06/06/2024 12:42	WG2298678
Benzo(b)fluoranthene	0.206	J3	0.00756	0.0405	1	06/06/2024 12:42	WG2298678
Benzo(k)fluoranthene	0.0623		0.00720	0.0405	1	06/06/2024 12:42	WG2298678
Benzo(g,h,i)perylene	0.118	J3	0.00741	0.0405	1	06/06/2024 12:42	WG2298678
Benzo(a)pyrene	0.151	J3	0.00753	0.0405	1	06/06/2024 12:42	WG2298678
Bis(2-chlorethoxy)methane	U		0.0122	0.405	1	06/06/2024 12:42	WG2298678
Bis(2-chloroethyl)ether	U		0.0134	0.405	1	06/06/2024 12:42	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0175	0.405	1	06/06/2024 12:42	WG2298678
4-Bromophenyl-phenylether	U		0.0142	0.405	1	06/06/2024 12:42	WG2298678
2-Chloronaphthalene	U		0.00712	0.0405	1	06/06/2024 12:42	WG2298678
4-Chlorophenyl-phenylether	U		0.0141	0.405	1	06/06/2024 12:42	WG2298678
Chrysene	0.193	J3	0.00806	0.0405	1	06/06/2024 12:42	WG2298678
Dibenz(a,h)anthracene	0.0340	J	0.0112	0.0405	1	06/06/2024 12:42	WG2298678
1,2-Dichlorobenzene	U		0.0120	0.405	1	06/06/2024 12:42	WG2298678
1,3-Dichlorobenzene	U		0.0123	0.405	1	06/06/2024 12:42	WG2298678
1,4-Dichlorobenzene	U		0.0121	0.405	1	06/06/2024 12:42	WG2298678
3,3-Dichlorobenzidine	U		0.0150	0.405	1	06/06/2024 12:42	WG2298678
2,4-Dinitrotoluene	U		0.0116	0.405	1	06/06/2024 12:42	WG2298678
2,6-Dinitrotoluene	U		0.0133	0.405	1	06/06/2024 12:42	WG2298678
Fluoranthene	0.119		0.00731	0.0405	1	06/06/2024 12:42	WG2298678
Fluorene	0.00824	J	0.00660	0.0405	1	06/06/2024 12:42	WG2298678
Hexachlorobenzene	U		0.0144	0.405	1	06/06/2024 12:42	WG2298678
Hexachloro-1,3-butadiene	U		0.0136	0.405	1	06/06/2024 12:42	WG2298678
Hexachlorocyclopentadiene	U	J3 J6	0.0213	0.405	1	06/06/2024 12:42	WG2298678
Hexachloroethane	U		0.0159	0.405	1	06/06/2024 12:42	WG2298678
Indeno(1,2,3-cd)pyrene	0.129	J3	0.0115	0.0405	1	06/06/2024 12:42	WG2298678
Isophorone	U		0.0124	0.405	1	06/06/2024 12:42	WG2298678
Naphthalene	0.0107	J	0.0102	0.0405	1	06/06/2024 12:42	WG2298678
Nitrobenzene	U		0.0141	0.405	1	06/06/2024 12:42	WG2298678
n-Nitrosodimethylamine	U		0.0601	0.405	1	06/06/2024 12:42	WG2298678
n-Nitrosodiphenylamine	U		0.0307	0.405	1	06/06/2024 12:42	WG2298678
n-Nitrosodi-n-propylamine	U		0.0135	0.405	1	06/06/2024 12:42	WG2298678
Phenanthrene	0.0555		0.00804	0.0405	1	06/06/2024 12:42	WG2298678
Benzylbutyl phthalate	U		0.0127	0.405	1	06/06/2024 12:42	WG2298678
Bis(2-ethylhexyl)phthalate	0.103	J	0.0514	0.405	1	06/06/2024 12:42	WG2298678
Di-n-butyl phthalate	U		0.0139	0.405	1	06/06/2024 12:42	WG2298678
Diethyl phthalate	U		0.0134	0.405	1	06/06/2024 12:42	WG2298678
Dimethyl phthalate	U		0.0859	0.405	1	06/06/2024 12:42	WG2298678
Di-n-octyl phthalate	U		0.0274	0.405	1	06/06/2024 12:42	WG2298678
Pyrene	0.153	J3	0.00789	0.0405	1	06/06/2024 12:42	WG2298678
1,2,4-Trichlorobenzene	U		0.0127	0.405	1	06/06/2024 12:42	WG2298678
4-Chloro-3-methylphenol	U		0.0131	0.405	1	06/06/2024 12:42	WG2298678
2-Chlorophenol	U		0.0134	0.405	1	06/06/2024 12:42	WG2298678
2,4-Dichlorophenol	U		0.0118	0.405	1	06/06/2024 12:42	WG2298678
2,4-Dimethylphenol	U		0.0106	0.405	1	06/06/2024 12:42	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0919	0.405	1	06/06/2024 12:42	WG2298678
2,4-Dinitrophenol	U		0.0948	0.405	1	06/06/2024 12:42	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0145	0.405	1	06/06/2024 12:42	WG2298678
4-Nitrophenol	U		0.0127	0.405	1	06/06/2024 12:42	WG2298678
Pentachlorophenol	U		0.0109	0.405	1	06/06/2024 12:42	WG2298678
Phenol	U		0.0163	0.405	1	06/06/2024 12:42	WG2298678
2,4,6-Trichlorophenol	U		0.0130	0.405	1	06/06/2024 12:42	WG2298678
(S) 2-Fluorophenol	*57.0*			*12.0-120*		*06/06/2024 12:42*	WG2298678
(S) Phenol-d5	*55.2*			*10.0-120*		*06/06/2024 12:42*	WG2298678
(S) Nitrobenzene-d5	*43.4*			*10.0-122*		*06/06/2024 12:42*	WG2298678
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*		*06/06/2024 12:42*	WG2298678
(S) 2,4,6-Tribromophenol	*63.6*			*10.0-127*		*06/06/2024 12:42*	WG2298678
(S) p-Terphenyl-d14	*66.4*			*10.0-120*		*06/06/2024 12:42*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.3		1	05/31/2024 08:04	WG2295890

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0835		0.0221	0.0492	1	05/31/2024 16:39	WG2295950

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.48		0.669	2.46	1	06/11/2024 15:35	WG2298288
Arsenic	19.5		0.637	2.46	1	06/11/2024 15:35	WG2298288
Barium	659		0.105	0.615	1	06/11/2024 15:35	WG2298288
Beryllium	0.464		0.0387	0.246	1	06/11/2024 15:35	WG2298288
Cadmium	2.08		0.0579	0.615	1	06/11/2024 15:35	WG2298288
Chromium	30.1		0.164	1.23	1	06/11/2024 15:35	WG2298288
Cobalt	12.7		0.0997	1.23	1	06/11/2024 15:35	WG2298288
Copper	57.6		0.492	2.46	1	06/11/2024 15:35	WG2298288
Lead	52.6		0.256	0.615	1	06/11/2024 15:35	WG2298288
Molybdenum	0.494	J	0.134	0.615	1	06/11/2024 15:35	WG2298288
Nickel	45.5		0.162	2.46	1	06/11/2024 15:35	WG2298288
Selenium	U		0.939	2.46	1	06/11/2024 15:35	WG2298288
Silver	0.261	J	0.156	1.23	1	06/11/2024 15:35	WG2298288
Thallium	U		0.484	2.46	1	06/11/2024 15:35	WG2298288
Vanadium	44.1		0.622	2.46	1	06/11/2024 15:35	WG2298288
Zinc	91.6		1.02	6.15	1	06/11/2024 15:35	WG2298288

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.24	B J	1.22	3.67	25	05/31/2024 21:26	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*05/31/2024 21:26*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0535	0.0733	1	06/02/2024 23:34	WG2297144
Acrylonitrile	U		0.00529	0.0183	1	06/02/2024 23:34	WG2297144
Benzene	U		0.000685	0.00147	1	06/02/2024 23:34	WG2297144
Bromobenzene	U		0.00132	0.0183	1	06/02/2024 23:34	WG2297144
Bromodichloromethane	U		0.00106	0.00367	1	06/02/2024 23:34	WG2297144
Bromoform	U		0.00172	0.0367	1	06/02/2024 23:34	WG2297144
Bromomethane	U		0.00289	0.0183	1	06/02/2024 23:34	WG2297144
n-Butylbenzene	U		0.00770	0.0183	1	06/02/2024 23:34	WG2297144
sec-Butylbenzene	U		0.00422	0.0183	1	06/02/2024 23:34	WG2297144
tert-Butylbenzene	U		0.00286	0.00733	1	06/02/2024 23:34	WG2297144
Carbon tetrachloride	U		0.00132	0.00733	1	06/02/2024 23:34	WG2297144
Chlorobenzene	U		0.000308	0.00367	1	06/02/2024 23:34	WG2297144
Chlorodibromomethane	U		0.000897	0.00367	1	06/02/2024 23:34	WG2297144
Chloroethane	U		0.00249	0.00733	1	06/02/2024 23:34	WG2297144
Chloroform	U		0.00151	0.00367	1	06/02/2024 23:34	WG2297144
Chloromethane	U		0.00638	0.0183	1	06/02/2024 23:34	WG2297144
2-Chlorotoluene	U		0.00127	0.00367	1	06/02/2024 23:34	WG2297144
4-Chlorotoluene	U		0.000660	0.00733	1	06/02/2024 23:34	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00572	0.0367	1	06/02/2024 23:34	WG2297144
1,2-Dibromoethane	U		0.000950	0.00367	1	06/02/2024 23:34	WG2297144
Dibromomethane	U		0.00110	0.00733	1	06/02/2024 23:34	WG2297144
1,2-Dichlorobenzene	U		0.000623	0.00733	1	06/02/2024 23:34	WG2297144
1,3-Dichlorobenzene	U		0.000880	0.00733	1	06/02/2024 23:34	WG2297144
1,4-Dichlorobenzene	U		0.00103	0.00733	1	06/02/2024 23:34	WG2297144
Dichlorodifluoromethane	U		0.00236	0.00733	1	06/02/2024 23:34	WG2297144
1,1-Dichloroethane	U		0.000720	0.00367	1	06/02/2024 23:34	WG2297144
1,2-Dichloroethane	U		0.000952	0.00367	1	06/02/2024 23:34	WG2297144
1,1-Dichloroethene	U		0.000889	0.00367	1	06/02/2024 23:34	WG2297144
cis-1,2-Dichloroethene	U		0.00108	0.00367	1	06/02/2024 23:34	WG2297144
trans-1,2-Dichloroethene	U		0.00153	0.00733	1	06/02/2024 23:34	WG2297144
1,2-Dichloropropane	U		0.00208	0.00733	1	06/02/2024 23:34	WG2297144
1,1-Dichloropropene	U		0.00119	0.00367	1	06/02/2024 23:34	WG2297144
1,3-Dichloropropane	U		0.000735	0.00733	1	06/02/2024 23:34	WG2297144
cis-1,3-Dichloropropene	U		0.00111	0.00367	1	06/02/2024 23:34	WG2297144
trans-1,3-Dichloropropene	U		0.00167	0.00733	1	06/02/2024 23:34	WG2297144
2,2-Dichloropropane	U	J3	0.00202	0.00367	1	06/02/2024 23:34	WG2297144
Di-isopropyl ether	U		0.000601	0.00147	1	06/02/2024 23:34	WG2297144
Ethylbenzene	U		0.00108	0.00367	1	06/02/2024 23:34	WG2297144
Hexachloro-1,3-butadiene	U		0.00880	0.0367	1	06/02/2024 23:34	WG2297144
Isopropylbenzene	U		0.000623	0.00367	1	06/02/2024 23:34	WG2297144
p-Isopropyltoluene	U		0.00374	0.00733	1	06/02/2024 23:34	WG2297144
2-Butanone (MEK)	U		0.0931	0.147	1	06/02/2024 23:34	WG2297144
Methylene Chloride	U		0.00974	0.0367	1	06/02/2024 23:34	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00334	0.0367	1	06/02/2024 23:34	WG2297144
Methyl tert-butyl ether	U		0.000513	0.00147	1	06/02/2024 23:34	WG2297144
Naphthalene	U		0.00716	0.0183	1	06/02/2024 23:34	WG2297144
n-Propylbenzene	U		0.00139	0.00733	1	06/02/2024 23:34	WG2297144
Styrene	U		0.000336	0.0183	1	06/02/2024 23:34	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00139	0.00367	1	06/02/2024 23:34	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00102	0.00367	1	06/02/2024 23:34	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00367	1	06/02/2024 23:34	WG2297144
Tetrachloroethene	U		0.00131	0.00367	1	06/02/2024 23:34	WG2297144
Toluene	U		0.00191	0.00733	1	06/02/2024 23:34	WG2297144
1,2,3-Trichlorobenzene	U		0.0107	0.0183	1	06/02/2024 23:34	WG2297144
1,2,4-Trichlorobenzene	U		0.00645	0.0183	1	06/02/2024 23:34	WG2297144
1,1,1-Trichloroethane	U		0.00135	0.00367	1	06/02/2024 23:34	WG2297144
1,1,2-Trichloroethane	U		0.000875	0.00367	1	06/02/2024 23:34	WG2297144
Trichloroethene	U		0.000856	0.00147	1	06/02/2024 23:34	WG2297144
Trichlorofluoromethane	U		0.00121	0.00367	1	06/02/2024 23:34	WG2297144
1,2,3-Trichloropropane	U		0.00238	0.0183	1	06/02/2024 23:34	WG2297144
1,2,4-Trimethylbenzene	U		0.00232	0.00733	1	06/02/2024 23:34	WG2297144
1,2,3-Trimethylbenzene	U		0.00232	0.00733	1	06/02/2024 23:34	WG2297144
1,3,5-Trimethylbenzene	U		0.00293	0.00733	1	06/02/2024 23:34	WG2297144
Vinyl chloride	U		0.00170	0.00367	1	06/02/2024 23:34	WG2297144
Xylenes, Total	0.00185	J	0.00129	0.00953	1	06/02/2024 23:34	WG2297144
(S) Toluene-d8	*102*			*75.0-131*		*06/02/2024 23:34*	WG2297144
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/02/2024 23:34*	WG2297144
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*06/02/2024 23:34*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	37.0		0.901	4.92	1	06/05/2024 00:16	WG2298254
C22-C32 Hydrocarbons	122		1.64	4.92	1	06/05/2024 00:16	WG2298254
C32-C40 Hydrocarbons	45.6		1.64	4.92	1	06/05/2024 00:16	WG2298254
(S) o-Terphenyl	*50.0*			*18.0-148*		*06/05/2024 00:16*	WG2298254

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00663	0.0409	1	06/06/2024 12:17	WG2298678
Acenaphthylene	U		0.00577	0.0409	1	06/06/2024 12:17	WG2298678
Anthracene	U		0.00729	0.0409	1	06/06/2024 12:17	WG2298678
Benzidine	U		0.0770	2.05	1	06/06/2024 12:17	WG2298678
Benzo(a)anthracene	0.00789	J	0.00722	0.0409	1	06/06/2024 12:17	WG2298678
Benzo(b)fluoranthene	0.0133	J	0.00763	0.0409	1	06/06/2024 12:17	WG2298678
Benzo(k)fluoranthene	U		0.00728	0.0409	1	06/06/2024 12:17	WG2298678
Benzo(g,h,i)perylene	0.00909	J	0.00749	0.0409	1	06/06/2024 12:17	WG2298678
Benzo(a)pyrene	0.0112	J	0.00761	0.0409	1	06/06/2024 12:17	WG2298678
Bis(2-chlorethoxy)methane	U		0.0123	0.409	1	06/06/2024 12:17	WG2298678
Bis(2-chloroethyl)ether	U		0.0135	0.409	1	06/06/2024 12:17	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0177	0.409	1	06/06/2024 12:17	WG2298678
4-Bromophenyl-phenylether	U		0.0144	0.409	1	06/06/2024 12:17	WG2298678
2-Chloronaphthalene	U		0.00719	0.0409	1	06/06/2024 12:17	WG2298678
4-Chlorophenyl-phenylether	U		0.0143	0.409	1	06/06/2024 12:17	WG2298678
Chrysene	0.0101	J	0.00814	0.0409	1	06/06/2024 12:17	WG2298678
Dibenz(a,h)anthracene	U		0.0113	0.0409	1	06/06/2024 12:17	WG2298678
1,2-Dichlorobenzene	U		0.0121	0.409	1	06/06/2024 12:17	WG2298678
1,3-Dichlorobenzene	U		0.0124	0.409	1	06/06/2024 12:17	WG2298678
1,4-Dichlorobenzene	U		0.0122	0.409	1	06/06/2024 12:17	WG2298678
3,3-Dichlorobenzidine	U		0.0151	0.409	1	06/06/2024 12:17	WG2298678
2,4-Dinitrotoluene	U		0.0117	0.409	1	06/06/2024 12:17	WG2298678
2,6-Dinitrotoluene	U		0.0134	0.409	1	06/06/2024 12:17	WG2298678
Fluoranthene	0.0157	J	0.00739	0.0409	1	06/06/2024 12:17	WG2298678
Fluorene	U		0.00666	0.0409	1	06/06/2024 12:17	WG2298678
Hexachlorobenzene	U		0.0145	0.409	1	06/06/2024 12:17	WG2298678
Hexachloro-1,3-butadiene	U		0.0138	0.409	1	06/06/2024 12:17	WG2298678
Hexachlorocyclopentadiene	U		0.0215	0.409	1	06/06/2024 12:17	WG2298678
Hexachloroethane	U		0.0161	0.409	1	06/06/2024 12:17	WG2298678
Indeno(1,2,3-cd)pyrene	U		0.0116	0.0409	1	06/06/2024 12:17	WG2298678
Isophorone	U		0.0125	0.409	1	06/06/2024 12:17	WG2298678
Naphthalene	U		0.0103	0.0409	1	06/06/2024 12:17	WG2298678
Nitrobenzene	U		0.0143	0.409	1	06/06/2024 12:17	WG2298678
n-Nitrosodimethylamine	U		0.0607	0.409	1	06/06/2024 12:17	WG2298678
n-Nitrosodiphenylamine	U		0.0310	0.409	1	06/06/2024 12:17	WG2298678
n-Nitrosodi-n-propylamine	U		0.0136	0.409	1	06/06/2024 12:17	WG2298678
Phenanthrene	0.0167	J	0.00813	0.0409	1	06/06/2024 12:17	WG2298678
Benzylbutyl phthalate	U		0.0128	0.409	1	06/06/2024 12:17	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0519	0.409	1	06/06/2024 12:17	WG2298678
Di-n-butyl phthalate	U		0.0140	0.409	1	06/06/2024 12:17	WG2298678
Diethyl phthalate	U		0.0135	0.409	1	06/06/2024 12:17	WG2298678
Dimethyl phthalate	U		0.0868	0.409	1	06/06/2024 12:17	WG2298678
Di-n-octyl phthalate	U		0.0277	0.409	1	06/06/2024 12:17	WG2298678
Pyrene	0.0191	J	0.00797	0.0409	1	06/06/2024 12:17	WG2298678
1,2,4-Trichlorobenzene	U		0.0128	0.409	1	06/06/2024 12:17	WG2298678
4-Chloro-3-methylphenol	U		0.0133	0.409	1	06/06/2024 12:17	WG2298678
2-Chlorophenol	U		0.0135	0.409	1	06/06/2024 12:17	WG2298678
2,4-Dichlorophenol	U		0.0119	0.409	1	06/06/2024 12:17	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0107	0.409	1	06/06/2024 12:17	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0928	0.409	1	06/06/2024 12:17	WG2298678
2,4-Dinitrophenol	U		0.0958	0.409	1	06/06/2024 12:17	WG2298678
2-Nitrophenol	U		0.0146	0.409	1	06/06/2024 12:17	WG2298678
4-Nitrophenol	U		0.0128	0.409	1	06/06/2024 12:17	WG2298678
Pentachlorophenol	U		0.0110	0.409	1	06/06/2024 12:17	WG2298678
Phenol	U		0.0165	0.409	1	06/06/2024 12:17	WG2298678
2,4,6-Trichlorophenol	U		0.0132	0.409	1	06/06/2024 12:17	WG2298678
(S) 2-Fluorophenol	*56.1*			*12.0-120*		*06/06/2024 12:17*	WG2298678
(S) Phenol-d5	*55.1*			*10.0-120*		*06/06/2024 12:17*	WG2298678
(S) Nitrobenzene-d5	*42.2*			*10.0-122*		*06/06/2024 12:17*	WG2298678
(S) 2-Fluorobiphenyl	*56.8*			*15.0-120*		*06/06/2024 12:17*	WG2298678
(S) 2,4,6-Tribromophenol	*66.9*			*10.0-127*		*06/06/2024 12:17*	WG2298678
(S) p-Terphenyl-d14	*72.0*			*10.0-120*		*06/06/2024 12:17*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	05/31/2024 08:04	WG2295890

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	9.78		1.52	4.57	33	05/31/2024 21:45	WG2296426
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*05/31/2024 21:45*	WG2296426

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0668	0.0915	1.32	06/02/2024 23:54	WG2297144
Acrylonitrile	U		0.00661	0.0229	1.32	06/02/2024 23:54	WG2297144
Benzene	0.0402		0.000854	0.00183	1.32	06/02/2024 23:54	WG2297144
Bromobenzene	U		0.00165	0.0229	1.32	06/02/2024 23:54	WG2297144
Bromodichloromethane	U		0.00133	0.00457	1.32	06/02/2024 23:54	WG2297144
Bromoform	U		0.00213	0.0457	1.32	06/02/2024 23:54	WG2297144
Bromomethane	U		0.00360	0.0229	1.32	06/02/2024 23:54	WG2297144
n-Butylbenzene	0.0157	J	0.00960	0.0229	1.32	06/02/2024 23:54	WG2297144
sec-Butylbenzene	0.00563	J	0.00527	0.0229	1.32	06/02/2024 23:54	WG2297144
tert-Butylbenzene	U		0.00356	0.00915	1.32	06/02/2024 23:54	WG2297144
Carbon tetrachloride	U		0.00165	0.00915	1.32	06/02/2024 23:54	WG2297144
Chlorobenzene	0.00539		0.000384	0.00457	1.32	06/02/2024 23:54	WG2297144
Chlorodibromomethane	U		0.00112	0.00457	1.32	06/02/2024 23:54	WG2297144
Chloroethane	U		0.00310	0.00915	1.32	06/02/2024 23:54	WG2297144
Chloroform	U		0.00188	0.00457	1.32	06/02/2024 23:54	WG2297144
Chloromethane	U		0.00795	0.0229	1.32	06/02/2024 23:54	WG2297144
2-Chlorotoluene	U		0.00158	0.00457	1.32	06/02/2024 23:54	WG2297144
4-Chlorotoluene	U		0.000823	0.00915	1.32	06/02/2024 23:54	WG2297144
1,2-Dibromo-3-Chloropropane	U		0.00714	0.0457	1.32	06/02/2024 23:54	WG2297144
1,2-Dibromoethane	U		0.00118	0.00457	1.32	06/02/2024 23:54	WG2297144
Dibromomethane	U		0.00137	0.00915	1.32	06/02/2024 23:54	WG2297144
1,2-Dichlorobenzene	U		0.000777	0.00915	1.32	06/02/2024 23:54	WG2297144
1,3-Dichlorobenzene	U		0.00110	0.00915	1.32	06/02/2024 23:54	WG2297144
1,4-Dichlorobenzene	0.00206	J	0.00128	0.00915	1.32	06/02/2024 23:54	WG2297144
Dichlorodifluoromethane	U		0.00295	0.00915	1.32	06/02/2024 23:54	WG2297144
1,1-Dichloroethane	0.00919		0.000898	0.00457	1.32	06/02/2024 23:54	WG2297144
1,2-Dichloroethane	U		0.00119	0.00457	1.32	06/02/2024 23:54	WG2297144
1,1-Dichloroethene	U		0.00111	0.00457	1.32	06/02/2024 23:54	WG2297144
cis-1,2-Dichloroethene	0.00211	J	0.00134	0.00457	1.32	06/02/2024 23:54	WG2297144
trans-1,2-Dichloroethene	U		0.00190	0.00915	1.32	06/02/2024 23:54	WG2297144
1,2-Dichloropropane	U		0.00259	0.00915	1.32	06/02/2024 23:54	WG2297144
1,1-Dichloropropene	U		0.00148	0.00457	1.32	06/02/2024 23:54	WG2297144
1,3-Dichloropropane	U		0.000916	0.00915	1.32	06/02/2024 23:54	WG2297144
cis-1,3-Dichloropropene	U		0.00138	0.00457	1.32	06/02/2024 23:54	WG2297144
trans-1,3-Dichloropropene	U		0.00208	0.00915	1.32	06/02/2024 23:54	WG2297144
2,2-Dichloropropane	U	J3	0.00252	0.00457	1.32	06/02/2024 23:54	WG2297144
Di-isopropyl ether	U		0.000750	0.00183	1.32	06/02/2024 23:54	WG2297144
Ethylbenzene	0.0473		0.00135	0.00457	1.32	06/02/2024 23:54	WG2297144
Hexachloro-1,3-butadiene	U		0.0110	0.0457	1.32	06/02/2024 23:54	WG2297144
Isopropylbenzene	0.00626		0.000777	0.00457	1.32	06/02/2024 23:54	WG2297144
p-Isopropyltoluene	0.109		0.00467	0.00915	1.32	06/02/2024 23:54	WG2297144
2-Butanone (MEK)	U		0.116	0.183	1.32	06/02/2024 23:54	WG2297144
Methylene Chloride	0.0131	J	0.0121	0.0457	1.32	06/02/2024 23:54	WG2297144
4-Methyl-2-pentanone (MIBK)	U		0.00417	0.0457	1.32	06/02/2024 23:54	WG2297144

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000640	0.00183	1.32	06/02/2024 23:54	WG2297144
Naphthalene	0.101		0.00892	0.0229	1.32	06/02/2024 23:54	WG2297144
n-Propylbenzene	0.0220		0.00173	0.00915	1.32	06/02/2024 23:54	WG2297144
Styrene	U		0.000419	0.0229	1.32	06/02/2024 23:54	WG2297144
1,1,1,2-Tetrachloroethane	U		0.00173	0.00457	1.32	06/02/2024 23:54	WG2297144
1,1,2,2-Tetrachloroethane	U		0.00127	0.00457	1.32	06/02/2024 23:54	WG2297144
1,1,2-Trichlorotrifluoroethane	U		0.00138	0.00457	1.32	06/02/2024 23:54	WG2297144
Tetrachloroethene	U		0.00164	0.00457	1.32	06/02/2024 23:54	WG2297144
Toluene	0.152		0.00238	0.00915	1.32	06/02/2024 23:54	WG2297144
1,2,3-Trichlorobenzene	U		0.0134	0.0229	1.32	06/02/2024 23:54	WG2297144
1,2,4-Trichlorobenzene	U		0.00805	0.0229	1.32	06/02/2024 23:54	WG2297144
1,1,1-Trichloroethane	U		0.00169	0.00457	1.32	06/02/2024 23:54	WG2297144
1,1,2-Trichloroethane	U		0.00109	0.00457	1.32	06/02/2024 23:54	WG2297144
Trichloroethene	U		0.00107	0.00183	1.32	06/02/2024 23:54	WG2297144
Trichlorofluoromethane	U		0.00151	0.00457	1.32	06/02/2024 23:54	WG2297144
1,2,3-Trichloropropane	U		0.00297	0.0229	1.32	06/02/2024 23:54	WG2297144
1,2,4-Trimethylbenzene	0.0769		0.00290	0.00915	1.32	06/02/2024 23:54	WG2297144
1,2,3-Trimethylbenzene	0.0356		0.00290	0.00915	1.32	06/02/2024 23:54	WG2297144
1,3,5-Trimethylbenzene	0.0303		0.00366	0.00915	1.32	06/02/2024 23:54	WG2297144
Vinyl chloride	U		0.00212	0.00457	1.32	06/02/2024 23:54	WG2297144
Xylenes, Total	0.290		0.00161	0.0119	1.32	06/02/2024 23:54	WG2297144
(S) Toluene-d8	*101*			*75.0-131*		*06/02/2024 23:54*	WG2297144
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/02/2024 23:54*	WG2297144
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*		*06/02/2024 23:54*	WG2297144

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	27.8	J	17.9	97.5	20	06/05/2024 02:41	WG2298254
C22-C32 Hydrocarbons	200		32.4	97.5	20	06/05/2024 02:41	WG2298254
C32-C40 Hydrocarbons	209		32.4	97.5	20	06/05/2024 02:41	WG2298254
(S) o-Terphenyl	*64.4*	J7		*18.0-148*		*06/05/2024 02:41*	WG2298254

Sample Narrative:

L1740668-25 WG2298254: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4075627-1 05/30/24 17:33

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1740668-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1740668-08 05/30/24 17:33 • (DUP) R4075627-3 05/30/24 17:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.8	74.9	1	3.82		10

Laboratory Control Sample (LCS)

(LCS) R4075627-2 05/30/24 17:33

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075783-1 05/31/24 07:38

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740668-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1740668-22 05/31/24 07:38 • (DUP) R4075783-3 05/31/24 07:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.2	82.1	1	0.0796		10

Laboratory Control Sample (LCS)

(LCS) R4075783-2 05/31/24 07:38

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075993-1 05/31/24 08:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740668-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1740668-25 05/31/24 08:04 • (DUP) R4075993-3 05/31/24 08:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.0	83.1	1	1.31		10

Laboratory Control Sample (LCS)

(LCS) R4075993-2 05/31/24 08:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4078969-1 06/07/24 12:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1740925-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-17 06/07/24 12:45 • (DUP) R4078969-3 06/07/24 12:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.7	83.5	1	0.149		10

Laboratory Control Sample (LCS)

(LCS) R4078969-2 06/07/24 12:45

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076528-1 06/03/24 10:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4076528-2 06/03/24 10:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	3.24	108	80.0-120	

L1740668-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-10 06/03/24 10:19 • (MS) R4076528-4 06/03/24 10:24 • (MSD) R4076528-5 06/03/24 10:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.16	3.18	105	106	1	75.0-125			0.729	20

QUALITY CONTROL SUMMARY

L1740668-01,02,03,11,12,13,16,17,18,21,22,23

Method Blank (MB)

(MB) R4075915-1 05/31/24 15:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4075915-2 05/31/24 15:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.494	98.8	80.0-120	

L1740546-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740546-03 05/31/24 15:14 • (MS) R4075915-4 05/31/24 15:19 • (MSD) R4075915-5 05/31/24 15:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.600	U	0.547	0.565	91.2	94.2	1	75.0-125			3.30	20

Method Blank (MB)

(MB) R4080337-1 06/11/24 15:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4080337-2 06/11/24 15:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	93.8	93.8	80.0-120	
Arsenic	100	95.3	95.3	80.0-120	
Barium	100	99.4	99.4	80.0-120	
Beryllium	100	98.5	98.5	80.0-120	
Cadmium	100	95.2	95.2	80.0-120	
Chromium	100	100	100	80.0-120	
Cobalt	100	93.4	93.4	80.0-120	
Copper	100	99.6	99.6	80.0-120	
Lead	100	94.9	94.9	80.0-120	
Molybdenum	100	99.3	99.3	80.0-120	
Nickel	100	94.2	94.2	80.0-120	
Selenium	100	94.2	94.2	80.0-120	
Silver	20.0	19.6	98.1	80.0-120	
Thallium	100	98.0	98.0	80.0-120	
Vanadium	100	97.6	97.6	80.0-120	
Zinc	100	95.8	95.8	80.0-120	

L1741031-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741031-01 06/11/24 15:04 • (MS) R4080337-5 06/11/24 15:10 • (MSD) R4080337-6 06/11/24 15:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	127	1.79	88.9	105	68.6	81.3	1	75.0-125	J6		16.7	20
Arsenic	127	4.50	114	131	85.9	99.7	1	75.0-125			14.3	20
Barium	127	55.7	172	192	91.9	107	1	75.0-125			10.8	20
Beryllium	127	0.531	112	132	88.1	104	1	75.0-125			16.1	20
Cadmium	127	0.338	110	128	86.0	101	1	75.0-125			15.9	20
Chromium	127	10.8	122	142	87.6	103	1	75.0-125			14.9	20
Cobalt	127	6.21	115	134	85.5	100	1	75.0-125			15.0	20
Copper	127	22.5	139	162	91.6	109	1	75.0-125			15.1	20
Lead	127	22.1	136	172	89.3	118	1	75.0-125		J3	23.6	20
Molybdenum	127	2.69	110	127	84.2	98.1	1	75.0-125			14.8	20
Nickel	127	16.0	127	143	87.1	100	1	75.0-125			12.2	20
Selenium	127	U	111	129	87.5	102	1	75.0-125			14.9	20
Silver	25.4	0.557	23.1	26.5	88.7	102	1	75.0-125			13.9	20
Thallium	127	U	109	129	86.2	102	1	75.0-125			16.7	20
Vanadium	127	16.5	126	146	86.5	102	1	75.0-125			14.3	20
Zinc	127	54.1	169	220	90.6	131	1	75.0-125		J3 J5	26.2	20

Method Blank (MB)

(MB) R4086928-1 06/26/24 17:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	0.127	J	0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4086928-2 06/26/24 17:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	45.3	90.7	80.0-120	
Arsenic	50.0	48.5	97.1	80.0-120	
Barium	50.0	45.2	90.4	80.0-120	
Beryllium	50.0	48.4	96.7	80.0-120	
Cadmium	50.0	48.3	96.7	80.0-120	
Chromium	50.0	49.0	98.0	80.0-120	
Copper	50.0	47.3	94.6	80.0-120	
Cobalt	50.0	50.4	101	80.0-120	
Lead	50.0	48.5	97.0	80.0-120	
Molybdenum	50.0	45.0	90.0	80.0-120	
Nickel	50.0	50.9	102	80.0-120	
Selenium	50.0	46.3	92.6	80.0-120	
Silver	50.0	47.8	95.6	80.0-120	
Thallium	50.0	48.0	96.0	80.0-120	
Vanadium	50.0	48.4	96.9	80.0-120	
Zinc	50.0	47.7	95.3	80.0-120	

L1740742-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740742-01 06/26/24 18:00 • (MS) R4086928-4 06/26/24 18:06 • (MSD) R4086928-5 06/26/24 18:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	49.6	48.6	99.2	97.1	1	75.0-125			2.07	20
Arsenic	50.0	2.89	52.7	51.9	99.6	98.1	1	75.0-125			1.47	20
Barium	50.0	23.4	71.5	69.0	96.2	91.3	1	75.0-125			3.48	20
Beryllium	50.0	U	45.4	47.4	90.7	94.8	1	75.0-125			4.40	20
Cadmium	50.0	0.662	50.8	49.1	100	96.9	1	75.0-125			3.35	20
Chromium	50.0		50.2	49.4	100	98.7	1	75.0-125			1.61	20
Copper	50.0		50.8	51.4	90.7	92.0	1	75.0-125			1.27	20
Cobalt	50.0	0.289	48.6	48.1	96.6	95.6	1	75.0-125			1.03	20
Lead	50.0		50.2	48.8	100	97.6	1	75.0-125			2.74	20
Molybdenum	50.0		57.2	56.6	99.2	98.1	1	75.0-125			0.917	20
Nickel	50.0	6.84	56.0	55.5	98.2	97.3	1	75.0-125			0.833	20
Selenium	50.0	0.796	50.2	48.7	98.8	95.9	1	75.0-125			2.96	20
Silver	50.0	U	49.6	48.4	99.2	96.9	1	75.0-125			2.41	20
Thallium	50.0	U	48.2	47.9	96.4	95.8	1	75.0-125			0.593	20
Vanadium	50.0	1.30	51.2	49.2	99.7	95.7	1	75.0-125			4.00	20
Zinc	50.0	39.1	84.5	84.1	90.9	90.0	1	75.0-125			0.547	20

Method Blank (MB)

(MB) R4076913-3 05/31/24 16:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.34	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076913-1 05/31/24 15:32 • (LCSD) R4076913-2 05/31/24 15:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.04	5.11	101	102	72.0-125			1.38	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*101*	*77.0-120*				

Method Blank (MB)

(MB) R4078688-5 06/07/24 03:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078688-1 06/06/24 22:36 • (LCSD) R4078688-2 06/06/24 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.55	4.18	91.0	83.6	72.0-125			8.48	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*98.2*	*77.0-120*				

L1740668-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-12 06/07/24 08:13 • (MS) R4078688-6 06/07/24 13:37 • (MSD) R4078688-7 06/07/24 14:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	151	1.52	154	170	101	112	25	10.0-141			9.81	29
(S) a,a,a-Trifluorotoluene(FID)					*102*	*104*		*77.0-120*				

Method Blank (MB)

(MB) R4079614-2 06/07/24 17:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079614-1 06/07/24 15:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.20	84.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4077308-2 06/02/24 13:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	86.6	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4077308-1 06/02/24 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	4690	93.8	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*110*	*78.0-120*	

Method Blank (MB)

(MB) R4076462-3 06/02/24 14:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4076462-3 06/02/24 14:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076462-1 06/02/24 13:04 • (LCSD) R4076462-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.607	0.583	97.1	93.3	10.0-160			4.03	31
Acrylonitrile	0.625	0.538	0.588	86.1	94.1	45.0-153			8.88	22
Benzene	0.125	0.122	0.123	97.6	98.4	70.0-123			0.816	20
Bromobenzene	0.125	0.124	0.122	99.2	97.6	73.0-121			1.63	20
Bromodichloromethane	0.125	0.118	0.120	94.4	96.0	73.0-121			1.68	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076462-1 06/02/24 13:04 • (LCSD) R4076462-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.109	0.103	87.2	82.4	64.0-132			5.66	20
Bromomethane	0.125	0.102	0.120	81.6	96.0	56.0-147			16.2	20
n-Butylbenzene	0.125	0.133	0.134	106	107	68.0-135			0.749	20
sec-Butylbenzene	0.125	0.127	0.124	102	99.2	74.0-130			2.39	20
tert-Butylbenzene	0.125	0.129	0.123	103	98.4	75.0-127			4.76	20
Carbon tetrachloride	0.125	0.120	0.127	96.0	102	66.0-128			5.67	20
Chlorobenzene	0.125	0.129	0.125	103	100	76.0-128			3.15	20
Chlorodibromomethane	0.125	0.124	0.124	99.2	99.2	74.0-127			0.000	20
Chloroethane	0.125	0.125	0.138	100	110	61.0-134			9.89	20
Chloroform	0.125	0.117	0.124	93.6	99.2	72.0-123			5.81	20
Chloromethane	0.125	0.129	0.145	103	116	51.0-138			11.7	20
2-Chlorotoluene	0.125	0.123	0.127	98.4	102	75.0-124			3.20	20
4-Chlorotoluene	0.125	0.117	0.117	93.6	93.6	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.0963	0.0960	77.0	76.8	59.0-130			0.312	20
1,2-Dibromoethane	0.125	0.119	0.118	95.2	94.4	74.0-128			0.844	20
Dibromomethane	0.125	0.122	0.127	97.6	102	75.0-122			4.02	20
1,2-Dichlorobenzene	0.125	0.124	0.122	99.2	97.6	76.0-124			1.63	20
1,3-Dichlorobenzene	0.125	0.125	0.126	100	101	76.0-125			0.797	20
1,4-Dichlorobenzene	0.125	0.123	0.119	98.4	95.2	77.0-121			3.31	20
Dichlorodifluoromethane	0.125	0.137	0.146	110	117	43.0-156			6.36	20
1,1-Dichloroethane	0.125	0.118	0.127	94.4	102	70.0-127			7.35	20
1,2-Dichloroethane	0.125	0.115	0.122	92.0	97.6	65.0-131			5.91	20
1,1-Dichloroethene	0.125	0.127	0.134	102	107	65.0-131			5.36	20
cis-1,2-Dichloroethene	0.125	0.125	0.129	100	103	73.0-125			3.15	20
trans-1,2-Dichloroethene	0.125	0.121	0.131	96.8	105	71.0-125			7.94	20
1,2-Dichloropropane	0.125	0.121	0.124	96.8	99.2	74.0-125			2.45	20
1,1-Dichloropropene	0.125	0.123	0.132	98.4	106	73.0-125			7.06	20
1,3-Dichloropropane	0.125	0.127	0.126	102	101	80.0-125			0.791	20
cis-1,3-Dichloropropene	0.125	0.114	0.121	91.2	96.8	76.0-127			5.96	20
trans-1,3-Dichloropropene	0.125	0.121	0.122	96.8	97.6	73.0-127			0.823	20
2,2-Dichloropropane	0.125	0.0874	0.110	69.9	88.0	59.0-135		J3	22.9	20
Di-isopropyl ether	0.125	0.120	0.126	96.0	101	60.0-136			4.88	20
Ethylbenzene	0.125	0.126	0.132	101	106	74.0-126			4.65	20
Hexachloro-1,3-butadiene	0.125	0.126	0.135	101	108	57.0-150			6.90	20
Isopropylbenzene	0.125	0.123	0.128	98.4	102	72.0-127			3.98	20
p-Isopropyltoluene	0.125	0.128	0.129	102	103	72.0-133			0.778	20
2-Butanone (MEK)	0.625	0.695	0.687	111	110	30.0-160			1.16	24
Methylene Chloride	0.125	0.122	0.127	97.6	102	68.0-123			4.02	20
4-Methyl-2-pentanone (MIBK)	0.625	0.626	0.614	100	98.2	56.0-143			1.94	20
Methyl tert-butyl ether	0.125	0.118	0.114	94.4	91.2	66.0-132			3.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076462-1 06/02/24 13:04 • (LCSD) R4076462-2 06/02/24 13:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.111	0.124	88.8	99.2	59.0-130			11.1	20
n-Propylbenzene	0.125	0.123	0.121	98.4	96.8	74.0-126			1.64	20
Styrene	0.125	0.126	0.129	101	103	72.0-127			2.35	20
1,1,1,2-Tetrachloroethane	0.125	0.122	0.125	97.6	100	74.0-129			2.43	20
1,1,2,2-Tetrachloroethane	0.125	0.0909	0.0958	72.7	76.6	68.0-128			5.25	20
1,1,2-Trichlorotrifluoroethane	0.125	0.131	0.129	105	103	61.0-139			1.54	20
Tetrachloroethene	0.125	0.140	0.143	112	114	70.0-136			2.12	20
Toluene	0.125	0.125	0.122	100	97.6	75.0-121			2.43	20
1,2,3-Trichlorobenzene	0.125	0.121	0.130	96.8	104	59.0-139			7.17	20
1,2,4-Trichlorobenzene	0.125	0.121	0.133	96.8	106	62.0-137			9.45	20
1,1,1-Trichloroethane	0.125	0.130	0.130	104	104	69.0-126			0.000	20
1,1,2-Trichloroethane	0.125	0.123	0.121	98.4	96.8	78.0-123			1.64	20
Trichloroethene	0.125	0.136	0.124	109	99.2	76.0-126			9.23	20
Trichlorofluoromethane	0.125	0.125	0.131	100	105	61.0-142			4.69	20
1,2,3-Trichloropropane	0.125	0.120	0.122	96.0	97.6	67.0-129			1.65	20
1,2,4-Trimethylbenzene	0.125	0.130	0.122	104	97.6	70.0-126			6.35	20
1,2,3-Trimethylbenzene	0.125	0.125	0.123	100	98.4	74.0-124			1.61	20
1,3,5-Trimethylbenzene	0.125	0.126	0.129	101	103	73.0-127			2.35	20
Vinyl chloride	0.125	0.126	0.147	101	118	63.0-134			15.4	20
Xylenes, Total	0.375	0.369	0.374	98.4	99.7	72.0-127			1.35	20
(S) Toluene-d8				*102*	*100*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*96.1*	*96.4*	*70.0-130*				

Method Blank (MB)

(MB) R4077241-3 06/04/24 01:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Naphthalene	U		0.00488	0.0125
(S) Toluene-d8	*97.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077241-1 06/04/24 00:12 • (LCSD) R4077241-2 06/04/24 00:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.126	0.132	101	106	59.0-130			4.65	20
(S) Toluene-d8				*96.3*	*98.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*95.8*	*91.7*	*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4078086-3 06/05/24 05:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4078086-3 06/05/24 05:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078086-1 06/05/24 04:40 • (LCSD) R4078086-2 06/05/24 05:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	24.2	24.1	96.8	96.4	19.0-160	J	J	0.414	27
Acrolein	25.0	23.8	24.8	95.2	99.2	10.0-160	J	J	4.12	26
Acrylonitrile	25.0	26.7	27.1	107	108	55.0-149			1.49	20
Benzene	5.00	5.30	5.14	106	103	70.0-123			3.07	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078086-1 06/05/24 04:40 • (LCSD) R4078086-2 06/05/24 05:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	5.09	4.98	102	99.6	73.0-121			2.18	20
Bromodichloromethane	5.00	4.99	5.02	99.8	100	75.0-120			0.599	20
Bromoform	5.00	4.54	4.45	90.8	89.0	68.0-132			2.00	20
Bromomethane	5.00	9.60	8.14	192	163	10.0-160	J4	J4	16.5	25
n-Butylbenzene	5.00	4.55	4.37	91.0	87.4	73.0-125			4.04	20
sec-Butylbenzene	5.00	4.97	4.72	99.4	94.4	75.0-125			5.16	20
tert-Butylbenzene	5.00	5.00	4.84	100	96.8	76.0-124			3.25	20
Carbon tetrachloride	5.00	4.90	4.88	98.0	97.6	68.0-126			0.409	20
Chlorobenzene	5.00	4.98	4.92	99.6	98.4	80.0-121			1.21	20
Chlorodibromomethane	5.00	4.86	4.65	97.2	93.0	77.0-125			4.42	20
Chloroethane	5.00	5.46	6.06	109	121	47.0-150			10.4	20
Chloroform	5.00	5.20	5.19	104	104	73.0-120			0.192	20
Chloromethane	5.00	5.17	4.78	103	95.6	41.0-142			7.84	20
2-Chlorotoluene	5.00	4.79	4.82	95.8	96.4	76.0-123			0.624	20
4-Chlorotoluene	5.00	4.99	4.78	99.8	95.6	75.0-122			4.30	20
1,2-Dibromo-3-Chloropropane	5.00	4.56	4.34	91.2	86.8	58.0-134	J	J	4.94	20
1,2-Dibromoethane	5.00	4.89	4.73	97.8	94.6	80.0-122			3.33	20
Dibromomethane	5.00	5.29	5.03	106	101	80.0-120			5.04	20
1,2-Dichlorobenzene	5.00	4.86	5.02	97.2	100	79.0-121			3.24	20
1,3-Dichlorobenzene	5.00	4.74	4.64	94.8	92.8	79.0-120			2.13	20
1,4-Dichlorobenzene	5.00	4.85	4.77	97.0	95.4	79.0-120			1.66	20
Dichlorodifluoromethane	5.00	5.93	5.86	119	117	51.0-149			1.19	20
1,1-Dichloroethane	5.00	5.44	4.81	109	96.2	70.0-126			12.3	20
1,2-Dichloroethane	5.00	5.17	5.19	103	104	70.0-128			0.386	20
1,1-Dichloroethene	5.00	5.14	5.30	103	106	71.0-124			3.07	20
cis-1,2-Dichloroethene	5.00	5.11	4.99	102	99.8	73.0-120			2.38	20
trans-1,2-Dichloroethene	5.00	5.69	5.54	114	111	73.0-120			2.67	20
1,2-Dichloropropane	5.00	5.00	5.14	100	103	77.0-125			2.76	20
1,1-Dichloropropene	5.00	5.33	5.06	107	101	74.0-126			5.20	20
1,3-Dichloropropane	5.00	4.81	4.80	96.2	96.0	80.0-120			0.208	20
cis-1,3-Dichloropropene	5.00	5.17	5.15	103	103	80.0-123			0.388	20
trans-1,3-Dichloropropene	5.00	5.02	4.54	100	90.8	78.0-124			10.0	20
2,2-Dichloropropane	5.00	4.48	4.51	89.6	90.2	58.0-130			0.667	20
Di-isopropyl ether	5.00	5.39	5.24	108	105	58.0-138			2.82	20
Ethylbenzene	5.00	4.89	4.60	97.8	92.0	79.0-123			6.11	20
Hexachloro-1,3-butadiene	5.00	4.72	4.78	94.4	95.6	54.0-138			1.26	20
Isopropylbenzene	5.00	4.95	4.72	99.0	94.4	76.0-127			4.76	20
p-Isopropyltoluene	5.00	5.09	4.80	102	96.0	76.0-125			5.86	20
2-Butanone (MEK)	25.0	26.9	27.9	108	112	44.0-160			3.65	20
Methylene Chloride	5.00	5.28	5.35	106	107	67.0-120			1.32	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078086-1 06/05/24 04:40 • (LCSD) R4078086-2 06/05/24 05:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	26.4	26.0	106	104	68.0-142			1.53	20
Methyl tert-butyl ether	5.00	5.65	5.35	113	107	68.0-125			5.45	20
Naphthalene	5.00	4.08	4.24	81.6	84.8	54.0-135	J	J	3.85	20
n-Propylbenzene	5.00	5.10	4.82	102	96.4	77.0-124			5.65	20
Styrene	5.00	4.72	4.46	94.4	89.2	73.0-130			5.66	20
1,1,1,2-Tetrachloroethane	5.00	4.70	4.81	94.0	96.2	75.0-125			2.31	20
1,1,2,2-Tetrachloroethane	5.00	4.77	4.83	95.4	96.6	65.0-130			1.25	20
1,1,2-Trichlorotrifluoroethane	5.00	5.13	5.30	103	106	69.0-132			3.26	20
Tetrachloroethene	5.00	5.12	4.94	102	98.8	72.0-132			3.58	20
Toluene	5.00	4.95	4.85	99.0	97.0	79.0-120			2.04	20
1,2,3-Trichlorobenzene	5.00	4.59	4.79	91.8	95.8	50.0-138			4.26	20
1,2,4-Trichlorobenzene	5.00	4.16	4.28	83.2	85.6	57.0-137			2.84	20
1,1,1-Trichloroethane	5.00	5.10	5.22	102	104	73.0-124			2.33	20
1,1,2-Trichloroethane	5.00	4.94	4.92	98.8	98.4	80.0-120			0.406	20
Trichloroethene	5.00	5.10	5.01	102	100	78.0-124			1.78	20
Trichlorofluoromethane	5.00	5.44	5.20	109	104	59.0-147			4.51	20
1,2,3-Trichloropropane	5.00	5.18	5.07	104	101	73.0-130			2.15	20
1,2,4-Trimethylbenzene	5.00	5.02	4.89	100	97.8	76.0-121			2.62	20
1,2,3-Trimethylbenzene	5.00	5.33	4.82	107	96.4	77.0-120			10.0	20
1,3,5-Trimethylbenzene	5.00	5.06	5.00	101	100	76.0-122			1.19	20
Vinyl chloride	5.00	5.24	5.32	105	106	67.0-131			1.52	20
Xylenes, Total	15.0	14.9	14.4	99.3	96.0	79.0-123			3.41	20
(S) Toluene-d8				*106*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R4075758-1 05/31/24 07:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	34.9	J	33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*58.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075758-2 05/31/24 08:10 • (LCSD) R4075758-3 05/31/24 08:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	829	966	111	129	50.0-150			15.3	20
C22-C32 Hydrocarbons	750	734	870	97.9	116	50.0-150			17.0	20
(S) o-Terphenyl				*73.0*	*77.5*	*52.0-156*				

Method Blank (MB)

(MB) R4077302-1 06/04/24 13:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*69.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4077302-2 06/04/24 14:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	15.5	62.0	50.0-150	
C22-C32 Hydrocarbons	25.0	12.5	50.0	50.0-150	
(S) o-Terphenyl			*59.3*	*18.0-148*	

L1740381-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740381-03 06/04/24 18:25 • (MS) R4077302-3 06/04/24 18:39 • (MSD) R4077302-4 06/04/24 18:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	27.7	1.67	25.5	17.9	86.2	58.5	1	50.0-150		J3	35.0	20
C22-C32 Hydrocarbons	27.7	14.2	45.8	25.1	114	39.2	1	50.0-150		J3 J6	58.6	20
(S) o-Terphenyl					*75.7*	*50.3*		*18.0-148*				

Method Blank (MB)

(MB) R4077408-1 06/04/24 21:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*87.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4077408-2 06/04/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	17.9	71.6	50.0-150	
C22-C32 Hydrocarbons	25.0	15.3	61.2	50.0-150	
(S) o-Terphenyl			*56.8*	*18.0-148*	

L1740925-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-01 06/05/24 00:55 • (MS) R4077408-3 06/05/24 01:09 • (MSD) R4077408-4 06/05/24 01:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	29.3	11.5	31.0	32.2	66.9	71.0	5	50.0-150			3.77	20
C22-C32 Hydrocarbons	29.3	62.1	88.7	88.7	91.0	91.0	5	50.0-150			0.000	20
(S) o-Terphenyl					*44.8*	*52.8*		*18.0-148*				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4079050-1 06/08/24 09:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*57.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4079050-2 06/08/24 10:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	23.4	93.6	50.0-150	
C22-C32 Hydrocarbons	25.0	18.2	72.8	50.0-150	
(S) o-Terphenyl			*75.2*	*18.0-148*	

Method Blank (MB)

(MB) R4076882-1 06/03/24 15:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*63.2*			*10.0-135*
(S) Tetrachloro-m-xylene	*80.2*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4076882-2 06/03/24 15:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.152	91.0	36.0-141	
PCB 1260	0.167	0.139	83.2	37.0-145	
(S) Decachlorobiphenyl			*71.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*86.9*	*10.0-139*	

L1740431-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740431-07 06/03/24 15:50 • (MS) R4076882-3 06/03/24 15:58 • (MSD) R4076882-4 06/03/24 16:07

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.206	U	0.112	0.158	54.4	76.6	1	10.0-160			33.9	37
PCB 1260	0.206	U	0.107	0.148	52.0	71.9	1	10.0-160			32.0	38
(S) Decachlorobiphenyl					*56.9*	*59.3*		*10.0-135*				
(S) Tetrachloro-m-xylene					*63.8*	*66.2*		*10.0-139*				

Method Blank (MB)

(MB) R4076823-1 06/03/24 17:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*85.3*			*10.0-135*
(S) Tetrachloro-m-xylene	*73.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4076823-2 06/03/24 17:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.139	83.2	36.0-141	
PCB 1260	0.167	0.145	86.8	37.0-145	
(S) Decachlorobiphenyl			*101*	*10.0-135*	
(S) Tetrachloro-m-xylene			*85.9*	*10.0-139*	

L1740713-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740713-02 06/03/24 18:32 • (MS) R4076823-3 06/03/24 18:41 • (MSD) R4076823-4 06/03/24 18:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.167	U	0.0775	0.115	46.4	68.9	1	10.0-160		J3	39.0	37
PCB 1260	0.167	U	0.168	0.118	101	70.7	1	10.0-160	P		35.0	38
(S) Decachlorobiphenyl					*62.9*	*77.6*		*10.0-135*				
(S) Tetrachloro-m-xylene					*63.5*	*76.9*		*10.0-139*				

Method Blank (MB)

(MB) R4081932-1 06/13/24 21:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*82.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*90.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4081932-2 06/13/24 21:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.141	84.4	36.0-141	
PCB 1260	0.167	0.165	98.8	37.0-145	
(S) Decachlorobiphenyl			*102*	*10.0-135*	
(S) Tetrachloro-m-xylene			*98.6*	*10.0-139*	

L1740668-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-17 06/13/24 21:47 • (MS) R4081932-3 06/13/24 21:57 • (MSD) R4081932-4 06/13/24 22:07

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.178	U	0.120	0.118	67.3	65.2	1	10.0-160			1.85	37
PCB 1260	0.178	U	0.108	0.108	60.9	59.7	1	10.0-160			0.712	38
(S) Decachlorobiphenyl					*58.6*	*61.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*80.6*	*81.9*		*10.0-139*				

Method Blank (MB)

(MB) R4082843-1 06/14/24 20:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*117*			*10.0-135*
(S) Tetrachloro-m-xylene	*117*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4082843-2 06/14/24 20:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.206	123	36.0-141	
PCB 1260	0.167	0.219	131	37.0-145	
(S) Decachlorobiphenyl			*126*	*10.0-135*	
(S) Tetrachloro-m-xylene			*123*	*10.0-139*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/14/24 21:24 • (MS) R4082843-3 06/14/24 21:33 • (MSD) R4082843-4 06/14/24 21:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.201	U	0.588	0.389	293	195	1	10.0-160	J5 P	J3 J5 P	40.6	37
PCB 1260	0.201	U	0.156	0.190	77.6	95.1	1	10.0-160	P	P	19.7	38
(S) Decachlorobiphenyl					*83.8*	*79.7*		*10.0-135*				
(S) Tetrachloro-m-xylene					*86.2*	*75.0*		*10.0-139*				

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*60.5*			*12.0-120*
(S) Phenol-d5	*57.5*			*10.0-120*
(S) Nitrobenzene-d5	*46.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.6*			*10.0-127*
(S) p-Terphenyl-d14	*64.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.460	69.1	38.0-120	
Acenaphthylene	0.666	0.505	75.8	40.0-120	
Anthracene	0.666	0.520	78.1	42.0-120	
Benzidine	1.33	0.244	18.3	10.0-120	J
Benzo(a)anthracene	0.666	0.553	83.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.511	76.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.491	73.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.573	86.0	43.0-120	
Benzo(a)pyrene	0.666	0.538	80.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.359	53.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.425	63.8	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.429	64.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.511	76.7	40.0-120	
2-Chloronaphthalene	0.666	0.436	65.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.498	74.8	40.0-120	
Chrysene	0.666	0.514	77.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.596	89.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.435	65.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.428	64.3	30.0-120	
1,4-Dichlorobenzene	0.666	0.454	68.2	31.0-120	
3,3-Dichlorobenzidine	1.33	0.917	68.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.523	78.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.524	78.7	42.0-120	
Fluoranthene	0.666	0.522	78.4	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.480	72.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.375	56.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.373	56.0	15.0-120	
Hexachloroethane	0.666	0.427	64.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.640	96.1	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.379	56.9	18.0-120	
Nitrobenzene	0.666	0.347	52.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.338	50.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.458	68.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.428	64.3	26.0-120	
Phenanthrene	0.666	0.491	73.7	42.0-120	
Benzylbutyl phthalate	0.666	0.559	83.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.567	85.1	41.0-120	
Di-n-butyl phthalate	0.666	0.508	76.3	43.0-120	
Diethyl phthalate	0.666	0.522	78.4	43.0-120	
Dimethyl phthalate	0.666	0.498	74.8	43.0-120	
Di-n-octyl phthalate	0.666	0.561	84.2	40.0-120	
Pyrene	0.666	0.531	79.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.391	58.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.408	61.3	28.0-120	
2-Chlorophenol	0.666	0.469	70.4	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.366	55.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.626	94.0	16.0-120	
2,4-Dinitrophenol	0.666	0.434	65.2	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.443	66.5	20.0-120	
4-Nitrophenol	0.666	0.515	77.3	27.0-120	
Pentachlorophenol	0.666	0.351	52.7	29.0-120	
Phenol	0.666	0.450	67.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*76.9*	*12.0-120*	
(S) Phenol-d5			*71.0*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*69.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*67.7*	*10.0-127*	
(S) p-Terphenyl-d14			*78.4*	*10.0-120*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.798	0.00660	0.428	0.393	52.8	48.4	1	18.0-120			8.59	32
Acenaphthylene	0.798	U	0.437	0.417	54.7	52.3	1	25.0-120			4.56	32
Anthracene	0.798	0.00737	0.515	0.442	63.6	54.4	1	22.0-120			15.3	29
Benzidine	1.59	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.798	0.129	0.745	0.535	77.1	50.9	1	25.0-120		J3	32.7	29
Benzo(b)fluoranthene	0.798	0.206	0.829	0.529	78.0	40.5	1	19.0-122		J3	44.1	31
Benzo(k)fluoranthene	0.798	0.0623	0.579	0.438	64.8	47.1	1	23.0-120			27.8	30
Benzo(g,h,i)perylene	0.798	0.118	0.688	0.482	71.4	45.6	1	10.0-120		J3	35.2	33
Benzo(a)pyrene	0.798	0.151	0.762	0.521	76.5	46.3	1	24.0-120		J3	37.6	30
Bis(2-chlorethoxy)methane	0.798	U	0.224	0.262	28.0	32.8	1	10.0-120	J	J	15.5	34
Bis(2-chloroethyl)ether	0.798	U	0.273	0.313	34.1	39.2	1	10.0-120	J	J	13.7	40
2,2-Oxybis(1-Chloropropane)	0.798	U	0.235	0.307	29.4	38.4	1	10.0-120	J	J	26.5	40
4-Bromophenyl-phenylether	0.798	U	0.511	0.486	64.0	60.8	1	27.0-120			5.13	30
2-Chloronaphthalene	0.798	U	0.360	0.346	45.1	43.3	1	20.0-120			4.14	32
4-Chlorophenyl-phenylether	0.798	U	0.481	0.447	60.2	55.9	1	24.0-120			7.35	29
Chrysene	0.798	0.193	0.819	0.554	78.4	45.1	1	21.0-120		J3	38.7	29
Dibenz(a,h)anthracene	0.798	0.0340	0.570	0.459	67.1	53.2	1	10.0-120			21.5	32
1,2-Dichlorobenzene	0.798	U	0.231	0.291	29.0	36.4	1	10.0-120	J	J	22.8	38
1,3-Dichlorobenzene	0.798	U	0.221	0.285	27.7	35.7	1	10.0-120	J	J	25.0	40
1,4-Dichlorobenzene	0.798	U	0.245	0.315	30.6	39.5	1	10.0-120	J	J	25.2	39
3,3-Dichlorobenzidine	1.59	U	0.773	0.773	48.5	48.5	1	10.0-120			0.000	34
2,4-Dinitrotoluene	0.798	U	0.427	0.454	53.5	56.9	1	30.0-120			6.08	31

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.798	U	0.421	0.427	52.7	53.5	1	25.0-120			1.43	31
Fluoranthene	0.798	0.119	0.717	0.538	74.9	52.5	1	18.0-126			28.5	32
Fluorene	0.798	0.00824	0.461	0.419	56.7	51.4	1	25.0-120			9.68	30
Hexachlorobenzene	0.798	U	0.484	0.426	60.7	53.4	1	27.0-120			12.8	28
Hexachloro-1,3-butadiene	0.798	U	0.254	0.288	31.9	36.1	1	10.0-120	J	J	12.6	38
Hexachlorocyclopentadiene	0.798	U	0.0301	0.0651	3.77	8.16	1	10.0-120	J J6	J J3 J6	73.7	40
Hexachloroethane	0.798	U	0.214	0.305	26.8	38.3	1	10.0-120	J	J	35.1	40
Indeno(1,2,3-cd)pyrene	0.798	0.129	0.793	0.566	83.2	54.7	1	10.0-120		J3	33.5	32
Isophorone	0.798	U	0.236	0.273	29.6	34.1	1	13.0-120	J	J	14.4	34
Naphthalene	0.798	0.0107	0.260	0.291	31.3	35.1	1	10.0-120			11.0	35
Nitrobenzene	0.798	U	0.191	0.248	23.9	31.1	1	10.0-120	J	J	26.0	36
n-Nitrosodimethylamine	0.798	U	0.163	0.212	20.4	26.5	1	10.0-127	J	J	26.0	40
n-Nitrosodiphenylamine	0.798	U	0.462	0.420	57.9	52.6	1	17.0-120			9.66	29
n-Nitrosodi-n-propylamine	0.798	U	0.248	0.293	31.1	36.7	1	10.0-120	J	J	16.6	37
Phenanthrene	0.798	0.0555	0.571	0.467	64.5	51.6	1	17.0-120			19.9	31
Benzylbutyl phthalate	0.798	U	0.534	0.471	66.9	59.0	1	23.0-120			12.6	30
Bis(2-ethylhexyl)phthalate	0.798	0.103	0.664	0.540	70.4	54.8	1	17.0-126			20.6	30
Di-n-butyl phthalate	0.798	U	0.495	0.443	62.0	55.5	1	30.0-120			11.2	29
Diethyl phthalate	0.798	U	0.493	0.469	61.7	58.7	1	26.0-120			5.06	28
Dimethyl phthalate	0.798	U	0.428	0.405	53.7	50.8	1	25.0-120		J	5.55	29
Di-n-octyl phthalate	0.798	U	0.540	0.504	67.7	63.1	1	21.0-123			6.99	29
Pyrene	0.798	0.153	0.744	0.537	73.9	48.0	1	16.0-121		J3	32.3	32
1,2,4-Trichlorobenzene	0.798	U	0.269	0.296	33.7	37.0	1	12.0-120	J	J	9.48	37
4-Chloro-3-methylphenol	0.798	U	0.406	0.359	50.9	45.0	1	15.0-120		J	12.4	30
2-Chlorophenol	0.798	U	0.269	0.330	33.7	41.3	1	15.0-120	J	J	20.3	37
2,4-Dichlorophenol	0.798	U	0.336	0.341	42.1	42.7	1	20.0-120	J	J	1.44	31
2,4-Dimethylphenol	0.798	U	0.302	0.305	37.8	38.3	1	10.0-120	J	J	1.20	33
4,6-Dinitro-2-methylphenol	0.798	U	0.523	0.494	65.5	61.9	1	10.0-120			5.74	39
2,4-Dinitrophenol	0.798	U	0.451	0.372	56.6	46.6	1	10.0-121		J	19.2	40
2-Nitrophenol	0.798	U	0.262	0.330	32.8	41.3	1	12.0-120	J	J	23.0	39
4-Nitrophenol	0.798	U	0.511	0.483	64.0	60.5	1	10.0-137			5.63	32
Pentachlorophenol	0.798	U	0.409	0.341	51.2	42.7	1	10.0-160		J	18.2	31
Phenol	0.798	U	0.277	0.333	34.8	41.8	1	12.0-120	J	J	18.3	38
2,4,6-Trichlorophenol	0.798	U	0.432	0.411	54.1	51.5	1	19.0-120			4.91	32
(S) 2-Fluorophenol					*34.5*	*43.7*		*12.0-120*				
(S) Phenol-d5					*37.2*	*43.9*		*10.0-120*				
(S) Nitrobenzene-d5					*22.8*	*30.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*45.1*	*44.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*59.5*	*54.1*		*10.0-127*				

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*59.8*	*54.0*		*10.0-120*				

Method Blank (MB)

(MB) R4078362-2 06/06/24 14:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078362-2 06/06/24 14:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*25.2*			*12.0-120*
(S) Phenol-d5	*24.2*			*10.0-120*
(S) Nitrobenzene-d5	*21.3*			*10.0-122*
(S) 2-Fluorobiphenyl	*21.0*			*15.0-120*
(S) 2,4,6-Tribromophenol	*25.1*			*10.0-127*
(S) p-Terphenyl-d14	*22.0*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078362-1 06/06/24 14:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.414	62.2	38.0-120	
Acenaphthylene	0.666	0.424	63.7	40.0-120	
Anthracene	0.666	0.447	67.1	42.0-120	
Benzidine	1.33	0.406	30.5	10.0-120	J
Benzo(a)anthracene	0.666	0.482	72.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.418	62.8	43.0-120	
Benzo(k)fluoranthene	0.666	0.418	62.8	44.0-120	
Benzo(g,h,i)perylene	0.666	0.422	63.4	43.0-120	
Benzo(a)pyrene	0.666	0.421	63.2	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.354	53.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.506	76.0	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078362-1 06/06/24 14:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.354	53.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.504	75.7	40.0-120	
2-Chloronaphthalene	0.666	0.386	58.0	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.475	71.3	40.0-120	
Chrysene	0.666	0.457	68.6	43.0-120	
Dibenz(a,h)anthracene	0.666	0.463	69.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.371	55.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.365	54.8	30.0-120	
1,4-Dichlorobenzene	0.666	0.370	55.6	31.0-120	
3,3-Dichlorobenzidine	1.33	0.909	68.3	28.0-120	
2,4-Dinitrotoluene	0.666	0.471	70.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.449	67.4	42.0-120	
Fluoranthene	0.666	0.464	69.7	44.0-120	
Fluorene	0.666	0.442	66.4	41.0-120	
Hexachlorobenzene	0.666	0.492	73.9	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.389	58.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.441	66.2	15.0-120	
Hexachloroethane	0.666	0.420	63.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.455	68.3	45.0-120	
Isophorone	0.666	0.394	59.2	23.0-120	
Naphthalene	0.666	0.338	50.8	18.0-120	
Nitrobenzene	0.666	0.426	64.0	17.0-120	
n-Nitrosodimethylamine	0.666	0.476	71.5	10.0-125	
n-Nitrosodiphenylamine	0.666	0.423	63.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.458	68.8	26.0-120	
Phenanthrene	0.666	0.444	66.7	42.0-120	
Benzylbutyl phthalate	0.666	0.468	70.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.455	68.3	41.0-120	
Di-n-butyl phthalate	0.666	0.461	69.2	43.0-120	
Diethyl phthalate	0.666	0.492	73.9	43.0-120	
Dimethyl phthalate	0.666	0.484	72.7	43.0-120	
Di-n-octyl phthalate	0.666	0.479	71.9	40.0-120	
Pyrene	0.666	0.457	68.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.380	57.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.429	64.4	28.0-120	
2-Chlorophenol	0.666	0.377	56.6	28.0-120	
2,4-Dichlorophenol	0.666	0.419	62.9	25.0-120	
2,4-Dimethylphenol	0.666	0.415	62.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.475	71.3	16.0-120	
2,4-Dinitrophenol	0.666	0.472	70.9	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078362-1 06/06/24 14:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.391	58.7	20.0-120	
4-Nitrophenol	0.666	0.304	45.6	27.0-120	J
Pentachlorophenol	0.666	0.351	52.7	29.0-120	
Phenol	0.666	0.412	61.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.388	58.3	37.0-120	
(S) 2-Fluorophenol			*71.8*	*12.0-120*	
(S) Phenol-d5			*67.0*	*10.0-120*	
(S) Nitrobenzene-d5			*57.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*61.9*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*88.1*	*10.0-127*	
(S) p-Terphenyl-d14			*80.8*	*10.0-120*	

L1740403-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740403-07 06/06/24 19:16 • (MS) R4078362-3 06/06/24 19:37 • (MSD) R4078362-4 06/06/24 19:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.777	U	0.513	0.522	66.1	67.1	10	18.0-120			1.59	32
Acenaphthylene	0.777	U	0.569	0.533	73.2	68.6	10	25.0-120			6.41	32
Anthracene	0.777	U	0.610	0.559	78.5	72.0	10	22.0-120			8.66	29
Benzidine	1.55	U	U	U	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.777	U	0.689	0.569	88.6	73.2	10	25.0-120			19.1	29
Benzo(b)fluoranthene	0.777	U	0.681	0.580	87.6	74.7	10	19.0-122			15.9	31
Benzo(k)fluoranthene	0.777	U	0.604	0.522	77.7	67.1	10	23.0-120			14.6	30
Benzo(g,h,i)perylene	0.777	U	0.475	0.430	61.1	55.3	10	10.0-120			9.90	33
Benzo(a)pyrene	0.777	U	0.592	0.568	76.2	73.0	10	24.0-120			4.26	30
Bis(2-chlorethoxy)methane	0.777	U	0.568	0.480	73.0	61.8	10	10.0-120	J	J	16.6	34
Bis(2-chloroethyl)ether	0.777	U	0.512	0.424	65.9	54.5	10	10.0-120	J	J	18.9	40
2,2-Oxybis(1-Chloropropane)	0.777	U	0.447	0.451	57.6	58.0	10	10.0-120	J	J	0.786	40
4-Bromophenyl-phenylether	0.777	U	0.702	0.651	90.3	83.8	10	27.0-120	J	J	7.48	30
2-Chloronaphthalene	0.777	U	0.479	0.475	61.7	61.1	10	20.0-120			0.988	32
4-Chlorophenyl-phenylether	0.777	U	0.553	0.546	71.2	70.3	10	24.0-120	J	J	1.28	29
Chrysene	0.777	U	0.679	0.563	87.4	72.4	10	21.0-120			18.8	29
Dibenz(a,h)anthracene	0.777	U	0.486	0.507	62.6	65.3	10	10.0-120			4.27	32
1,2-Dichlorobenzene	0.777	U	0.467	0.440	60.2	56.7	10	10.0-120	J	J	5.97	38
1,3-Dichlorobenzene	0.777	U	0.447	0.423	57.6	54.4	10	10.0-120	J	J	5.68	40
1,4-Dichlorobenzene	0.777	U	0.470	0.458	60.5	58.9	10	10.0-120	J	J	2.54	39
3,3-Dichlorobenzidine	1.55	U	1.16	1.09	74.5	70.3	10	10.0-120	J	J	5.86	34
2,4-Dinitrotoluene	0.777	U	0.586	0.606	75.5	78.0	10	30.0-120	J	J	3.36	31

L1740403-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740403-07 06/06/24 19:16 • (MS) R4078362-3 06/06/24 19:37 • (MSD) R4078362-4 06/06/24 19:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.777	U	0.595	0.619	76.5	79.7	10	25.0-120	J	J	4.07	31
Fluoranthene	0.777	U	0.730	0.678	93.9	87.3	10	18.0-126			7.36	32
Fluorene	0.777	U	0.595	0.551	76.5	70.9	10	25.0-120			7.61	30
Hexachlorobenzene	0.777	U	0.702	0.675	90.3	86.8	10	27.0-120	J	J	3.93	28
Hexachloro-1,3-butadiene	0.777	U	0.535	0.549	68.8	70.6	10	10.0-120	J	J	2.61	38
Hexachlorocyclopentadiene	0.777	U	U	U	0.000	0.000	10	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.777	U	0.512	0.464	65.9	59.7	10	10.0-120	J	J	9.89	40
Indeno(1,2,3-cd)pyrene	0.777	U	0.537	0.446	69.1	57.4	10	10.0-120			18.4	32
Isophorone	0.777	U	0.624	0.558	80.3	71.8	10	13.0-120	J	J	11.2	34
Naphthalene	0.777	U	0.471	0.466	60.6	60.0	10	10.0-120			1.01	35
Nitrobenzene	0.777	U	0.609	0.558	78.3	71.8	10	10.0-120	J	J	8.68	36
n-Nitrosodimethylamine	0.777	U	U	U	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.777	U	0.553	0.580	71.2	74.7	10	17.0-120	J	J	4.78	29
n-Nitrosodi-n-propylamine	0.777	U	0.610	0.661	78.5	85.0	10	10.0-120	J	J	7.97	37
Phenanthrene	0.777	U	0.621	0.525	79.8	67.6	10	17.0-120			16.6	31
Benzylbutyl phthalate	0.777	U	0.546	0.516	70.3	66.4	10	23.0-120	J	J	5.76	30
Bis(2-ethylhexyl)phthalate	0.777	U	0.595	0.546	76.5	70.3	10	17.0-126	J	J	8.46	30
Di-n-butyl phthalate	0.777	U	0.598	0.605	77.0	77.9	10	30.0-120	J	J	1.17	29
Diethyl phthalate	0.777	U	0.591	0.585	76.1	75.3	10	26.0-120	J	J	1.00	28
Dimethyl phthalate	0.777	U	U	U	84.7	70.8	10	25.0-120	J	J	17.9	29
Di-n-octyl phthalate	0.777	U	0.609	0.580	78.3	74.7	10	21.0-123	J	J	4.75	29
Pyrene	0.777	U	0.666	0.582	85.8	74.8	10	16.0-121			13.6	32
1,2,4-Trichlorobenzene	0.777	U	0.592	0.507	76.2	65.3	10	12.0-120	J	J	15.4	37
4-Chloro-3-methylphenol	0.777	U	0.653	0.406	84.1	52.3	10	15.0-120	J	J J3	46.7	30
2-Chlorophenol	0.777	U	0.531	0.450	68.3	57.9	10	15.0-120	J	J	16.6	37
2,4-Dichlorophenol	0.777	U	0.504	0.466	64.8	60.0	10	20.0-120	J	J	7.77	31
2,4-Dimethylphenol	0.777	U	0.497	0.389	63.9	50.0	10	10.0-120	J	J	24.5	33
4,6-Dinitro-2-methylphenol	0.777	U	U	U	46.2	38.9	10	10.0-120	J	J	17.1	39
2,4-Dinitrophenol	0.660	U	U	U	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.777	U	0.332	0.279	42.7	35.9	10	12.0-120	J	J	17.3	39
4-Nitrophenol	0.777	U	0.184	U	23.6	0.000	10	10.0-137	J	J3 J6	200	32
Pentachlorophenol	0.777	U	0.284	0.298	36.5	38.3	10	10.0-160	J	J	4.86	31
Phenol	0.777	U	0.692	0.528	89.1	67.9	10	12.0-120	J	J	27.0	38
2,4,6-Trichlorophenol	0.777	U	0.358	0.365	46.1	47.0	10	19.0-120	J	J	1.95	32
(S) 2-Fluorophenol					*69.4*	*67.7*		*12.0-120*				
(S) Phenol-d5					*75.3*	*67.1*		*10.0-120*				
(S) Nitrobenzene-d5					*55.2*	*74.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*70.0*	*69.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*64.5*	*53.5*		*10.0-127*				

L1740403-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740403-07 06/06/24 19:16 • (MS) R4078362-3 06/06/24 19:37 • (MSD) R4078362-4 06/06/24 19:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) p-Terphenyl-d14					*75.8*	*75.5*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure

Method Blank (MB)

(MB) R4078331-2 06/06/24 13:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078331-2 06/06/24 13:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*21.8*			*12.0-120*
(S) Phenol-d5	*19.5*			*10.0-120*
(S) Nitrobenzene-d5	*18.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*21.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*12.7*			*10.0-127*
(S) p-Terphenyl-d14	*21.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078331-1 06/06/24 13:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.410	61.6	38.0-120	
Acenaphthylene	0.666	0.450	67.6	40.0-120	
Anthracene	0.666	0.471	70.7	42.0-120	
Benzidine	1.33	0.638	48.0	10.0-120	J
Benzo(a)anthracene	0.666	0.485	72.8	44.0-120	
Benzo(b)fluoranthene	0.666	0.448	67.3	43.0-120	
Benzo(k)fluoranthene	0.666	0.473	71.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.409	61.4	43.0-120	
Benzo(a)pyrene	0.666	0.475	71.3	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.346	52.0	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.388	58.3	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078331-1 06/06/24 13:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.376	56.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.359	53.9	40.0-120	
2-Chloronaphthalene	0.666	0.403	60.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.434	65.2	40.0-120	
Chrysene	0.666	0.487	73.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.401	60.2	44.0-120	
1,2-Dichlorobenzene	0.666	0.396	59.5	32.0-120	
1,3-Dichlorobenzene	0.666	0.384	57.7	30.0-120	
1,4-Dichlorobenzene	0.666	0.390	58.6	31.0-120	
3,3-Dichlorobenzidine	1.33	0.756	56.8	28.0-120	
2,4-Dinitrotoluene	0.666	0.519	77.9	45.0-120	
2,6-Dinitrotoluene	0.666	0.515	77.3	42.0-120	
Fluoranthene	0.666	0.428	64.3	44.0-120	
Fluorene	0.666	0.456	68.5	41.0-120	
Hexachlorobenzene	0.666	0.304	45.6	39.0-120	J
Hexachloro-1,3-butadiene	0.666	0.358	53.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.326	48.9	15.0-120	J
Hexachloroethane	0.666	0.369	55.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.387	58.1	45.0-120	
Isophorone	0.666	0.347	52.1	23.0-120	
Naphthalene	0.666	0.349	52.4	18.0-120	
Nitrobenzene	0.666	0.339	50.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.334	50.2	10.0-125	
n-Nitrosodiphenylamine	0.666	0.425	63.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.406	61.0	26.0-120	
Phenanthrene	0.666	0.456	68.5	42.0-120	
Benzylbutyl phthalate	0.666	0.582	87.4	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.581	87.2	41.0-120	
Di-n-butyl phthalate	0.666	0.445	66.8	43.0-120	
Diethyl phthalate	0.666	0.491	73.7	43.0-120	
Dimethyl phthalate	0.666	0.464	69.7	43.0-120	
Di-n-octyl phthalate	0.666	0.571	85.7	40.0-120	
Pyrene	0.666	0.516	77.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.357	53.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.354	53.2	28.0-120	
2-Chlorophenol	0.666	0.414	62.2	28.0-120	
2,4-Dichlorophenol	0.666	0.328	49.2	25.0-120	J
2,4-Dimethylphenol	0.666	0.376	56.5	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.637	95.6	16.0-120	
2,4-Dinitrophenol	0.666	0.619	92.9	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078331-1 06/06/24 13:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.429	64.4	20.0-120	
4-Nitrophenol	0.666	0.587	88.1	27.0-120	
Pentachlorophenol	0.666	0.386	58.0	29.0-120	
Phenol	0.666	0.334	50.2	28.0-120	
2,4,6-Trichlorophenol	0.666	0.427	64.1	37.0-120	
(S) 2-Fluorophenol			*65.3*	*12.0-120*	
(S) Phenol-d5			*49.4*	*10.0-120*	
(S) Nitrobenzene-d5			*46.5*	*10.0-122*	
(S) 2-Fluorobiphenyl			*62.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*43.1*	*10.0-127*	
(S) p-Terphenyl-d14			*64.6*	*10.0-120*	

L1740960-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740960-01 06/06/24 18:00 • (MS) R4078331-3 06/06/24 18:21 • (MSD) R4078331-4 06/06/24 18:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	U	0.414	0.437	62.1	65.6	10	18.0-120			5.58	32
Acenaphthylene	0.667	U	0.450	0.469	67.5	70.4	10	25.0-120			4.26	32
Anthracene	0.667	U	0.457	0.468	68.6	70.3	10	22.0-120			2.45	29
Benzidine	1.33	U	1.10	1.12	82.9	84.5	10	10.0-120	J	J	1.85	40
Benzo(a)anthracene	0.667	U	0.478	0.518	71.7	77.7	10	25.0-120			8.08	29
Benzo(b)fluoranthene	0.667	U	0.455	0.492	68.3	73.8	10	19.0-122			7.84	31
Benzo(k)fluoranthene	0.667	U	0.465	0.481	69.8	72.1	10	23.0-120			3.27	30
Benzo(g,h,i)perylene	0.667	U	0.363	0.360	54.5	54.0	10	10.0-120			0.856	33
Benzo(a)pyrene	0.667	U	0.469	0.484	70.4	72.6	10	24.0-120			3.03	30
Bis(2-chlorethoxy)methane	0.667	U	0.376	0.399	56.3	59.9	10	10.0-120	J	J	6.13	34
Bis(2-chloroethyl)ether	0.667	U	0.388	0.412	58.2	61.8	10	10.0-120	J	J	5.94	40
2,2-Oxybis(1-Chloropropane)	0.667	U	0.375	0.366	56.2	55.0	10	10.0-120	J	J	2.23	40
4-Bromophenyl-phenylether	0.667	U	0.355	0.384	53.3	57.6	10	27.0-120	J	J	7.82	30
2-Chloronaphthalene	0.667	U	0.414	0.443	62.1	66.4	10	20.0-120			6.75	32
4-Chlorophenyl-phenylether	0.667	U	0.445	0.467	66.7	70.1	10	24.0-120	J	J	4.98	29
Chrysene	0.667	U	0.489	0.519	73.4	77.9	10	21.0-120			5.94	29
Dibenz(a,h)anthracene	0.667	U	0.364	0.371	54.6	55.7	10	10.0-120			1.96	32
1,2-Dichlorobenzene	0.667	U	0.347	0.362	52.0	54.3	10	10.0-120	J	J	4.37	38
1,3-Dichlorobenzene	0.667	U	0.335	0.329	50.3	49.4	10	10.0-120	J	J	1.86	40
1,4-Dichlorobenzene	0.667	U	0.338	0.341	50.8	51.1	10	10.0-120	J	J	0.608	39
3,3-Dichlorobenzidine	1.33	U	0.768	0.812	57.7	61.0	10	10.0-120	J	J	5.62	34
2,4-Dinitrotoluene	0.667	U	0.487	0.508	73.1	76.2	10	30.0-120	J	J	4.15	31

L1740960-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740960-01 06/06/24 18:00 • (MS) R4078331-3 06/06/24 18:21 • (MSD) R4078331-4 06/06/24 18:42

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.667	U	0.523	0.498	78.5	74.8	10	25.0-120	J	J	4.85	31
Fluoranthene	0.667	U	0.422	0.435	63.3	65.3	10	18.0-126			3.13	32
Fluorene	0.667	U	0.456	0.500	68.4	75.1	10	25.0-120			9.28	30
Hexachlorobenzene	0.667	U	0.293	0.307	44.0	46.1	10	27.0-120	J	J	4.81	28
Hexachloro-1,3-butadiene	0.667	U	0.394	0.424	59.1	63.6	10	10.0-120	J	J	7.31	38
Hexachlorocyclopentadiene	0.667	U	U	U	12.0	10.4	10	10.0-120	J	J	14.4	40
Hexachloroethane	0.667	U	0.274	0.290	41.2	43.5	10	10.0-120	J	J	5.48	40
Indeno(1,2,3-cd)pyrene	0.667	U	0.356	0.368	53.4	55.3	10	10.0-120			3.42	32
Isophorone	0.667	U	0.376	0.416	56.3	62.4	10	13.0-120	J	J	10.2	34
Naphthalene	0.667	U	0.367	0.412	55.1	61.8	10	10.0-120			11.4	35
Nitrobenzene	0.667	U	0.352	0.395	52.8	59.3	10	10.0-120	J	J	11.6	36
n-Nitrosodimethylamine	0.667	U	U	U	0.000	0.000	10	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.667	U	0.426	0.421	63.9	63.2	10	17.0-120	J	J	1.22	29
n-Nitrosodi-n-propylamine	0.667	U	0.383	0.412	57.4	61.8	10	10.0-120	J	J	7.27	37
Phenanthrene	0.667	U	0.445	0.473	66.7	70.9	10	17.0-120			6.07	31
Benzylbutyl phthalate	0.667	U	0.573	0.597	85.9	89.6	10	23.0-120	J	J	4.23	30
Bis(2-ethylhexyl)phthalate	0.667	U	0.610	0.633	91.5	94.9	10	17.0-126	J	J	3.65	30
Di-n-butyl phthalate	0.667	U	0.448	0.451	67.2	67.6	10	30.0-120	J	J	0.689	29
Diethyl phthalate	0.667	U	0.481	0.523	72.1	78.5	10	26.0-120	J	J	8.43	28
Dimethyl phthalate	0.667	U	U	U	67.0	68.9	10	25.0-120	J	J	2.73	29
Di-n-octyl phthalate	0.667	U	0.572	0.592	85.8	88.9	10	21.0-123	J	J	3.55	29
Pyrene	0.667	U	0.500	0.520	75.1	78.0	10	16.0-121			3.84	32
1,2,4-Trichlorobenzene	0.667	U	0.391	0.421	58.7	63.2	10	12.0-120	J	J	7.37	37
4-Chloro-3-methylphenol	0.667	U	0.433	0.442	65.0	66.3	10	15.0-120	J	J	1.89	30
2-Chlorophenol	0.667	U	0.396	0.433	59.4	65.0	10	15.0-120	J	J	8.96	37
2,4-Dichlorophenol	0.667	U	0.456	0.514	68.4	77.1	10	20.0-120	J	J	11.9	31
2,4-Dimethylphenol	0.667	U	0.532	0.562	79.9	84.4	10	10.0-120	J	J	5.47	33
4,6-Dinitro-2-methylphenol	0.667	U	U	U	47.8	44.6	10	10.0-120	J	J	7.04	39
2,4-Dinitrophenol	0.667	U	U	U	0.000	0.000	10	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.667	U	0.427	0.469	64.1	70.4	10	12.0-120	J	J	9.44	39
4-Nitrophenol	0.667	U	0.580	0.626	87.0	94.0	10	10.0-137	J	J	7.70	32
Pentachlorophenol	0.667	U	0.494	0.479	74.1	71.8	10	10.0-160	J	J	3.18	31
Phenol	0.667	U	0.374	0.391	56.0	58.7	10	12.0-120	J	J	4.59	38
2,4,6-Trichlorophenol	0.667	U	0.508	0.513	76.2	76.9	10	19.0-120	J	J	1.01	32
(S) 2-Fluorophenol					*60.5*	*59.8*		*12.0-120*				
(S) Phenol-d5					*55.0*	*59.9*		*10.0-120*				
(S) Nitrobenzene-d5					*49.2*	*52.9*		*10.0-122*				
(S) 2-Fluorobiphenyl					*66.3*	*67.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*46.0*	*48.6*		*10.0-127*				

L1740960-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740960-01 06/06/24 18:00 • (MS) R4078331-3 06/06/24 18:21 • (MSD) R4078331-4 06/06/24 18:42

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
(S) p-Terphenyl-d14					*62.5*	*65.9*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates, Inc.

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature): [signature]

Immediately
Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day X 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote # P1076441

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
G-D2-1-1.0	Grab	SS	1.0	5/24/24	1210	4	○	○	●	●	●			01
G-D2-1-2.0	Grab	SS	2.0		1225	4	○	○	●	○	●	●		02
G-D2-1-3.0	Grab	SS	3.0		1235	4	●	●	●	○	●	●		03
G-D2-1-4.0	Grab	SS	4.0		1245	4	○	○	○	○	○	○		04
G-D2-1-5.0	Grab	SS	5.0		1255	4	●	●	○	○	○	●		05
P-11-12.5	Grab	SS	12.5	5/24/24	0915	4	⊗	⊗				⊗		06
SVP-53-5-4.0	Grab	SS	4.0	5/24/24	1015	4	●	●				●		07
SVP-57-5-6.0	Grab	SS	6.0	5/24/24	1146	4	●	●				●		06
TB-052424.	↓	W	-	05/24/24	1100	2					X			09
EB-052424.	↓	W	-	↓	1200	4-g	X	X	X			X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other W = water

Remarks: ● = ANALYZE ⊗ = Analyze ○ = HOLD

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
[signature]	05/24/24	1609	[signature] pace		
[signature] pace	5/24/24	1630	SWA Corp	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Easton Organ	5/25/24 1200	

Chain of Custody Page 1 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740668
Table H225

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
Immediately
Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day X 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
G-D1-1-1.0	Grab	SS	1.0	5/24/24	1030	4	○	○	●	●	●			71
G-D1-1-2.0	Grab	SS	2.0		1035	4	○	○	●	○	●	●		72
G-D1-1-3.0	Grab	SS	3.0		1055	4	●	●	●	○	●	●		73
G-D1-1-4.0	Grab	SS	4.0		1105	4	○	○	○	○	○	○		74
G-D1-1-5.0	Grab	SS	5.0		1115	4	●	●	○	○	○	●		75
		SS												

Chain of Custody Page 2 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740868

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/24/24	1609			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/24/24	1620	SWA Courier		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				5/24 1700	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #
P1076441

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
BS-D1-1-1.0	Grab	SS	1.0	5/24/24	0850	4	○	○	●	●	●			-16
BS-D1-1-2.0	Grab	SS	2.0		0900	4	○	○	●	○	●	●		-17
BS-D1-1-3.0	Grab	SS	3.0		0915	4	●	●	●	○	●	●		-18
BS-D1-1-4.0	Grab	SS	4.0		0925	4	○	○	○	○	○	○		-19
BS-D1-1-5.0	Grab	SS	5.0	↓	0940	4	●	●	○	○	○	●		-20
		SS												

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740605

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	05/24/24	1609		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	5/24/24	1630	SWA Cargo	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				5/25/24 1200

If preservation required by Login: Date/Time

Hold: Condition: (NCF) / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-D3-1-1.0	Grab	SS	1.0	5/24/24	1438	3/4	○	○	●	●	●			-21
G-D3-1-2.0	Grab	SS	2.0		1444	4	○	○	●	○	●	●		-22
G-D3-1-3.0	Grab	SS	3.0		1450	4	●	●	●	○	●	●		-23
G-D3-1-4.0	Grab	SS	4.0		1457	4	○	○	○	○	○	○		-24
G-D3-1-5.0	Grab	SS	5.0		1500	4	●	●	○	○	○	●		-25
		SS												

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740668

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEx Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/24/24	1609	Pace		
Relinquished by : (Signature) Pace	Date: 5/24/24	Time: 1630	Received by: (Signature) SWA Cargo	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Dragn	Date: 5/25/24 Time: 1200	Hold: Condition: NCF / OK

LT7402668

Tracking Numbers	Temperature
SW	2.3 ± 0.1 = 2.4 EDA6
SW	1.8 ± 0.1 = 1.9 EDA6
SW	1.3 ± 0.1 = 1.4 EDA6

Emma Opp
Name

5/25/24
Date

5/25 NCF-ROUXOCA L1740668

R5

Time estimate: oh **Time spent:** oh

Members

Nicolle Faulk (responsible) Jennifer Gambill

Due on *31 May 2024 5:00 PM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Nicolle Faulk *25 May 2024 5:39 PM*

- Trip blank ID is marked for SV8270. We received 2 HCL trip blanks. Currently have these logged for V8260
- Received the following additional IDs: G/UC-BY-1-1.0, 2.0, 3.0, 4.0, 5.0, 8.0, 10.0

Jennifer Gambill *28 May 2024 12:21 PM*

Please run Trip Blank for V8260.

Jennifer Gambill *28 May 2024 2:02 PM*

Chain of custody received for additional samples.

Matthew Shacklock *30 May 2024 9:25 AM*

Is the additional samples being logged to own number or added to this one?

Jennifer Gambill *30 May 2024 10:18 AM*

We can log to a new SDG.

Nicolle Faulk *4 June 2024 12:35 PM*

L1742685, done

ANALYTICAL REPORT

October 01, 2024

Revised Report

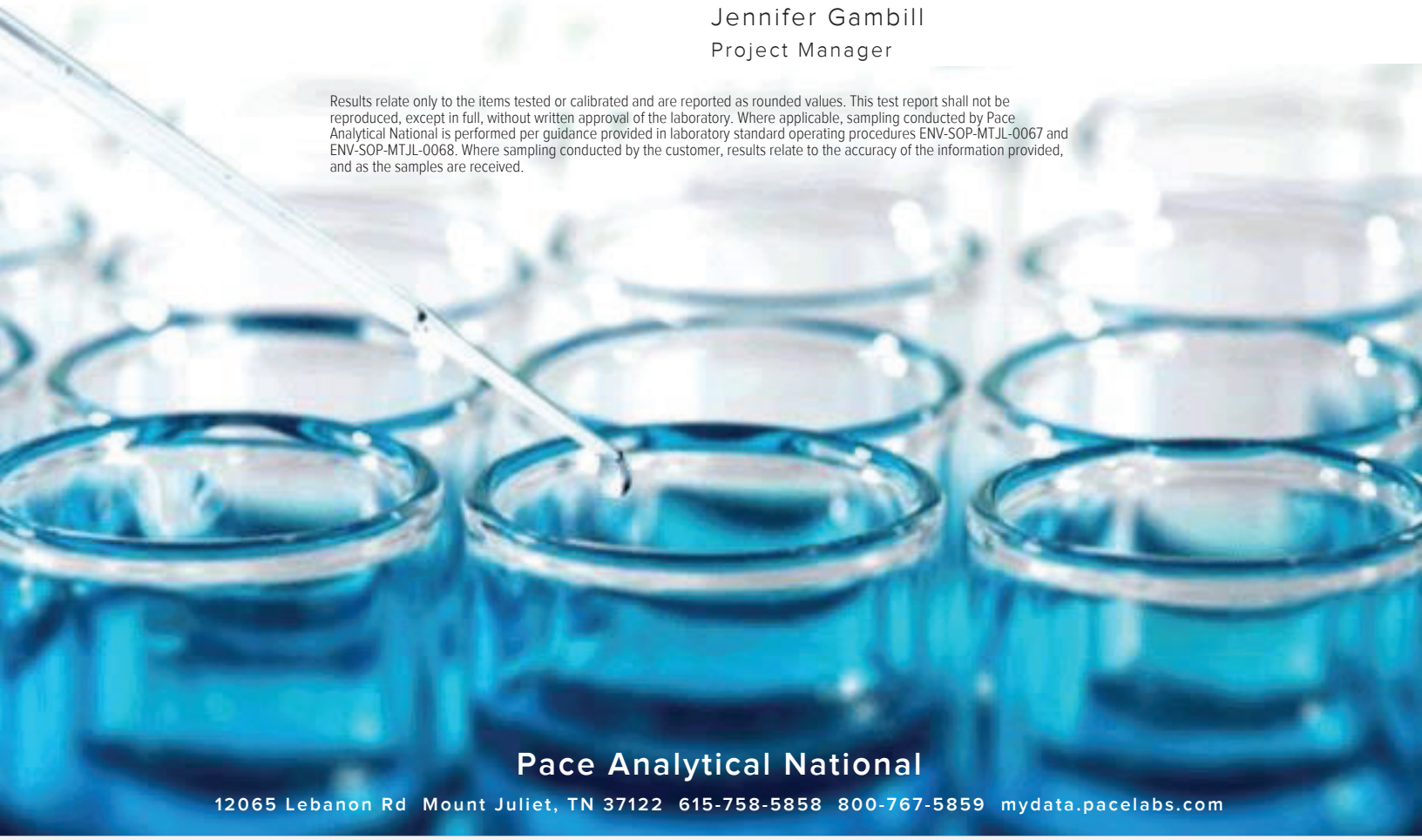
Roux - Oakland, CA

Sample Delivery Group:	L1740925
Samples Received:	05/29/2024
Project Number:	ROUX ASSOCIATES INC
Description:	AB&I Redevlopment
Site:	ABI FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G-E3-1-2.0 L1740925-15 55

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Mercury by Method 7471A 97

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SVP-45-8-5.0 L1740925-01 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 11:10 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 11:10	06/02/24 16:56	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297487	1	05/28/24 11:10	06/04/24 02:23	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299252	1	05/28/24 11:10	06/05/24 21:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	5	06/04/24 16:42	06/05/24 00:55	JAS	Mt. Juliet, TN

SVP-06-8-5.0 L1740925-02 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 09:38 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 09:38	06/02/24 17:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297487	1	05/28/24 09:38	06/04/24 02:43	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	2	06/04/24 16:42	06/05/24 11:26	JAS	Mt. Juliet, TN

EB-052824 L1740925-03 GW

Collected by: Dylan B | Collected date/time: 05/28/24 15:20 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2294959	1	06/01/24 11:35	06/02/24 17:43	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2294965	1	05/30/24 09:33	05/30/24 20:22	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296317	1	06/04/24 08:40	06/04/24 21:34	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2297585	1	06/05/24 10:59	06/19/24 00:59	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2305428	1	06/17/24 19:05	06/27/24 22:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297466	1	06/03/24 12:58	06/03/24 12:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297610	1	06/03/24 19:21	06/03/24 19:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 16:12	MAA	Mt. Juliet, TN

G/BS-D4-1-1.0 L1740925-04 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 08:45 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 17:56	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:29	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/06/24 01:03	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 20:43	LJD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	5	06/03/24 13:52	06/04/24 14:13	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	10	06/05/24 11:12	06/08/24 00:22	DSH	Mt. Juliet, TN

G/BS-D4-1-2.0 L1740925-05 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 08:50 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 17:41	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:31	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297487	1.34	05/28/24 08:50	06/04/24 03:03	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	1	06/14/24 01:34	06/14/24 21:52	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	10	06/14/24 01:34	06/21/24 01:17	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 17:40	DSH	Mt. Juliet, TN

G/BS-D4-1-3.0 L1740925-06 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 08:55 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 17:58	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:32	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 08:55	06/02/24 17:46	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 08:55	06/03/24 17:04	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	10	06/04/24 16:42	06/05/24 02:15	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 18:05	DSH	Mt. Juliet, TN

G/BS-D4-1-4.0 L1740925-07 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 09:00 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300491	1	06/07/24 12:32	06/07/24 12:45	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2300577	1	06/07/24 13:14	06/09/24 17:31	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300670	1	06/12/24 07:45	06/13/24 18:22	ZSA	Mt. Juliet, TN

G/BS-D4-1-5.0 L1740925-08 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 09:20 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 09:20	06/02/24 18:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 09:20	06/03/24 17:23	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	50	06/04/24 16:42	06/05/24 03:08	JAS	Mt. Juliet, TN

G-E2-1-1.0 L1740925-09 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 11:45 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 18:01	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:34	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 20:52	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 16:01	DSH	Mt. Juliet, TN

G-E2-1-2.0 L1740925-10 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 11:55 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 18:03	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:36	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 11:55	06/03/24 17:42	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 16:51	DSH	Mt. Juliet, TN

G-E2-1-3.0 L1740925-11 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 12:05 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 18:06	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:37	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 12:05	06/02/24 18:33	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 12:05	06/03/24 18:01	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	1	06/04/24 16:42	06/05/24 00:29	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 15:36	DSH	Mt. Juliet, TN

G-E2-1-5.0 L1740925-13 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 12:20 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 12:20	06/02/24 18:57	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 12:20	06/03/24 18:21	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	5	06/04/24 16:42	06/05/24 01:35	JAS	Mt. Juliet, TN

G-E3-1-1.0 L1740925-14 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 10:05 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296247	1	05/31/24 11:25	05/31/24 11:34	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 18:08	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:39	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 21:01	LJD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	5	06/03/24 13:52	06/04/24 14:31	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	200	06/05/24 11:12	06/06/24 19:45	DSH	Mt. Juliet, TN

G-E3-1-2.0 L1740925-15 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 10:10 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295935	1	05/31/24 16:44	06/01/24 18:11	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:41	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 10:10	06/03/24 18:39	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	1	06/14/24 01:34	06/14/24 22:01	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 13:57	DSH	Mt. Juliet, TN

G-E3-1-3.0 L1740925-16 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 10:20 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295946	1	05/30/24 21:55	05/31/24 14:27	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:42	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 10:20	06/02/24 19:20	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 10:20	06/03/24 18:59	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	50	06/04/24 16:42	06/05/24 02:54	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 20:12	DSH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-E3-1-4.0 L1740925-17 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 10:30 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300491	1	06/07/24 12:32	06/07/24 12:45	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2300577	1	06/07/24 13:14	06/09/24 17:34	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300670	1	06/12/24 07:45	06/13/24 18:24	ZSA	Mt. Juliet, TN

G-E3-1-5.0 L1740925-18 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 10:40 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 10:40	06/02/24 19:43	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 10:40	06/03/24 19:18	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	10	06/04/24 16:42	06/05/24 02:01	JAS	Mt. Juliet, TN

TB-052824 L1740925-19 GW

Collected by: Dylan B | Collected date/time: 05/28/24 00:00 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297610	1	06/03/24 19:42	06/03/24 19:42	ADM	Mt. Juliet, TN

G-F1-1-1.0 L1740925-20 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 14:00 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295946	1	05/30/24 21:55	05/31/24 14:31	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:47	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2297376	1	06/03/24 13:52	06/03/24 21:11	LJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 20:32	DSH	Mt. Juliet, TN

G-F1-1-2.0 L1740925-21 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 14:10 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295946	1	05/30/24 21:55	05/31/24 14:33	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:49	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 14:10	06/03/24 19:37	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 20:53	DSH	Mt. Juliet, TN

G-F1-1-3.0 L1740925-22 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 14:20 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2295946	1	05/30/24 21:55	05/31/24 14:40	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297398	1	06/04/24 06:50	06/05/24 11:51	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 14:20	06/02/24 20:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 14:20	06/03/24 19:56	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	10	06/04/24 16:42	06/05/24 02:28	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 21:13	DSH	Mt. Juliet, TN

G-F1-1-4.0 L1740925-23 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 14:30 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2311827	1	06/26/24 13:38	06/26/24 13:44	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2313442	1	06/27/24 16:19	06/27/24 20:17	ZSA	Mt. Juliet, TN

G-F1-1-5.0 L1740925-24 Solid

Collected by: Dylan B | Collected date/time: 05/28/24 14:40 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296010	1	05/31/24 06:57	05/31/24 07:03	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297113	25	05/28/24 14:40	06/02/24 20:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297589	1	05/28/24 14:40	06/03/24 20:15	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2298254	1	06/04/24 16:42	06/04/24 23:49	JAS	Mt. Juliet, TN

P-06 L1740925-25 GW

Collected by: Dylan B | Collected date/time: 05/28/24 14:08 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2294959	1	06/01/24 11:35	06/02/24 17:46	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2294965	1	05/30/24 09:33	05/30/24 20:24	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296317	1	06/04/24 08:40	06/04/24 21:35	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2297585	1	06/05/24 10:59	06/19/24 01:03	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2305428	1	06/17/24 19:05	06/27/24 22:38	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297466	1	06/03/24 14:07	06/03/24 14:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297610	1	06/03/24 20:47	06/03/24 20:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 16:32	MAA	Mt. Juliet, TN

P-08 L1740925-26 GW

Collected by: Dylan B | Collected date/time: 05/28/24 13:00 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2294959	1	06/01/24 11:35	06/02/24 17:48	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2294965	1	05/30/24 09:33	05/30/24 20:26	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2296317	1	06/04/24 08:40	06/04/24 21:45	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2297585	1	06/05/24 10:59	06/19/24 11:22	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2305428	1	06/17/24 19:05	06/27/24 23:29	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2316050	1	07/03/24 09:03	07/03/24 11:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297466	1	06/03/24 14:30	06/03/24 14:30	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297610	1	06/03/24 21:08	06/03/24 21:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 16:53	MAA	Mt. Juliet, TN

DUP-03 L1740925-27 GW

Collected by: Dylan B | Collected date/time: 05/28/24 12:00 | Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2294959	1	06/01/24 11:35	06/02/24 17:51	AKB	Mt. Juliet, TN
Mercury by Method 7470A	WG2294965	1	05/30/24 09:33	05/30/24 20:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297576	1	06/08/24 14:07	06/09/24 10:41	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2297585	1	06/05/24 10:59	06/19/24 02:36	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2305428	1	06/17/24 19:05	06/27/24 22:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297466	1	06/03/24 14:53	06/03/24 14:53	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2297610	1	06/03/24 21:30	06/03/24 21:30	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2295250	1	05/30/24 17:12	05/31/24 17:13	MAA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/08/24 16:42
Level II Report - Version 2: 08/16/24 10:51

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Sample Delivery Group (SDG) Narrative

Analysis was filtered in the laboratory.

Lab Sample ID	Project Sample ID	Method
L1740925-03	EB-052824	6010B

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-D4-1-1.0	L1740925-04	Mercury	0.165		0.0191	0.0424	1	06/01/2024 17:56	WG2295935
G/BS-D4-1-2.0	L1740925-05	Mercury	0.607	J3 J5 J6	0.0200	0.0445	1	06/01/2024 17:41	WG2295935
G/BS-D4-1-4.0	L1740925-07	Mercury	0.0637		0.0227	0.0504	1	06/09/2024 17:31	WG2300577
G-E2-1-1.0	L1740925-09	Mercury	0.0679		0.0207	0.0460	1	06/01/2024 18:01	WG2295935
G-E2-1-2.0	L1740925-10	Mercury	0.103		0.0206	0.0459	1	06/01/2024 18:03	WG2295935
G-E2-1-3.0	L1740925-11	Mercury	0.0934		0.0205	0.0455	1	06/01/2024 18:06	WG2295935
G-E3-1-1.0	L1740925-14	Mercury	1.07		0.0209	0.0465	1	06/01/2024 18:08	WG2295935
G-E3-1-2.0	L1740925-15	Mercury	0.212		0.0217	0.0482	1	06/01/2024 18:11	WG2295935
G-E3-1-3.0	L1740925-16	Mercury	0.269		0.0216	0.0480	1	05/31/2024 14:27	WG2295946
G-E3-1-4.0	L1740925-17	Mercury	0.0889		0.0215	0.0478	1	06/09/2024 17:34	WG2300577
G-F1-1-1.0	L1740925-20	Mercury	0.0838		0.0211	0.0468	1	05/31/2024 14:31	WG2295946
G-F1-1-2.0	L1740925-21	Mercury	0.127		0.0239	0.0531	1	05/31/2024 14:33	WG2295946
G-F1-1-3.0	L1740925-22	Mercury	0.143		0.0240	0.0534	1	05/31/2024 14:40	WG2295946

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-06	L1740925-25	Barium,Dissolved	21.4		0.736	5.00	1	06/04/2024 21:35	WG2296317
P-06	L1740925-25	Molybdenum,Dissolved	27.7		1.16	5.00	1	06/04/2024 21:35	WG2296317
P-06	L1740925-25	Vanadium,Dissolved	24.2		4.99	20.0	1	06/04/2024 21:35	WG2296317
P-08	L1740925-26	Barium,Dissolved	91.2	O1	0.736	5.00	1	06/04/2024 21:45	WG2296317
P-08	L1740925-26	Chromium,Dissolved	3.92	J	1.40	10.0	1	06/04/2024 21:45	WG2296317
P-08	L1740925-26	Cobalt,Dissolved	1.33	J	0.840	10.0	1	06/04/2024 21:45	WG2296317
P-08	L1740925-26	Molybdenum,Dissolved	28.1		1.16	5.00	1	06/04/2024 21:45	WG2296317
P-08	L1740925-26	Vanadium,Dissolved	11.2	J	4.99	20.0	1	06/04/2024 21:45	WG2296317
DUP-03	L1740925-27	Barium,Dissolved	22.2		0.736	5.00	1	06/09/2024 10:41	WG2297576
DUP-03	L1740925-27	Chromium,Dissolved	1.73	J	1.40	10.0	1	06/09/2024 10:41	WG2297576
DUP-03	L1740925-27	Cobalt,Dissolved	0.950	J	0.840	10.0	1	06/09/2024 10:41	WG2297576
DUP-03	L1740925-27	Molybdenum,Dissolved	27.1		1.16	5.00	1	06/09/2024 10:41	WG2297576
DUP-03	L1740925-27	Vanadium,Dissolved	21.8		4.99	20.0	1	06/09/2024 10:41	WG2297576

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-D4-1-1.0	L1740925-04	Antimony	10.5		0.576	2.12	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Arsenic	7.75		0.549	2.12	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Barium	373		0.0903	0.530	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Beryllium	0.149	J	0.0334	0.212	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Cadmium	1.73		0.0499	0.530	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Chromium	147		0.141	1.06	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Cobalt	8.99		0.0859	1.06	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Copper	266		0.424	2.12	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Lead	239		0.220	0.530	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Molybdenum	14.9		0.115	0.530	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Nickel	73.7		0.140	2.12	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Vanadium	46.0		0.536	2.12	1	06/05/2024 11:29	WG2297398
G/BS-D4-1-1.0	L1740925-04	Zinc	708		0.881	5.30	1	06/05/2024 11:29	WG2297398

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-D4-1-2.0	L1740925-05	Antimony	4.22		0.606	2.23	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Arsenic	13.3		0.577	2.23	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Barium	271		0.0949	0.557	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Beryllium	0.289		0.0351	0.223	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Cadmium	1.06		0.0524	0.557	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Chromium	81.8		0.148	1.11	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Cobalt	6.12		0.0903	1.11	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Copper	65.9		0.445	2.23	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Lead	167		0.232	0.557	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Molybdenum	2.52		0.121	0.557	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Nickel	30.5		0.147	2.23	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Silver	0.162	J	0.141	1.11	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Vanadium	32.8		0.563	2.23	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-2.0	L1740925-05	Zinc	221		0.926	5.57	1	06/05/2024 11:31	WG2297398
G/BS-D4-1-3.0	L1740925-06	Antimony	9.32		0.606	2.23	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Arsenic	38.7		0.577	2.23	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Barium	655		0.0950	0.557	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Beryllium	0.769		0.0351	0.223	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Cadmium	2.43		0.0525	0.557	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Chromium	115		0.148	1.11	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Cobalt	9.29		0.0904	1.11	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Copper	307		0.446	2.23	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Lead	400		0.232	0.557	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Molybdenum	4.96		0.121	0.557	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Nickel	40.7		0.147	2.23	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Silver	0.327	J	0.142	1.11	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Vanadium	57.4		0.564	2.23	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-3.0	L1740925-06	Zinc	601		0.927	5.57	1	06/05/2024 11:32	WG2297398
G/BS-D4-1-4.0	L1740925-07	Antimony	4.11		0.686	2.52	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Arsenic	5.04	B	0.653	2.52	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Barium	138		0.107	0.630	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Beryllium	0.203	J	0.0397	0.252	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Cadmium	0.800		0.0594	0.630	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Chromium	46.7		0.168	1.26	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Cobalt	7.89		0.102	1.26	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Copper	212		0.504	2.52	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Lead	151		0.262	0.630	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Molybdenum	0.518	J	0.137	0.630	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Nickel	82.7		0.166	2.52	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Vanadium	35.7		0.638	2.52	1	06/13/2024 18:22	WG2300670
G/BS-D4-1-4.0	L1740925-07	Zinc	156		1.05	6.30	1	06/13/2024 18:22	WG2300670
G-E2-1-1.0	L1740925-09	Antimony	3.69		0.626	2.30	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Arsenic	6.35		0.596	2.30	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Barium	160		0.0980	0.575	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Beryllium	0.137	J	0.0362	0.230	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Cadmium	0.183	J	0.0542	0.575	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Chromium	41.2		0.153	1.15	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Cobalt	7.52		0.0933	1.15	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Copper	30.3		0.460	2.30	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Lead	49.2		0.239	0.575	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Molybdenum	4.17		0.125	0.575	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Nickel	35.8		0.152	2.30	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Vanadium	41.1		0.582	2.30	1	06/05/2024 11:34	WG2297398
G-E2-1-1.0	L1740925-09	Zinc	85.2		0.957	5.75	1	06/05/2024 11:34	WG2297398

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E2-1-2.0	L1740925-10	Antimony	2.56		0.624	2.29	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Arsenic	4.27		0.594	2.29	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Barium	183		0.0977	0.573	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Beryllium	0.408		0.0361	0.229	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Cadmium	0.151	J	0.0540	0.573	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Chromium	45.5		0.152	1.15	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Cobalt	10.3		0.0930	1.15	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Copper	26.1		0.459	2.29	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Lead	50.2		0.238	0.573	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Molybdenum	0.377	J	0.125	0.573	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Nickel	46.5		0.151	2.29	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Vanadium	43.5		0.580	2.29	1	06/05/2024 11:36	WG2297398
G-E2-1-2.0	L1740925-10	Zinc	82.2		0.954	5.73	1	06/05/2024 11:36	WG2297398
G-E2-1-3.0	L1740925-11	Antimony	2.92		0.619	2.28	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Arsenic	4.20		0.590	2.28	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Barium	194		0.0970	0.569	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Beryllium	0.335		0.0359	0.228	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Cadmium	0.249	J	0.0536	0.569	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Chromium	50.7		0.151	1.14	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Cobalt	12.9		0.0923	1.14	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Copper	23.4		0.455	2.28	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Lead	82.6		0.237	0.569	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Molybdenum	0.475	J	0.124	0.569	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Nickel	56.6		0.150	2.28	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Vanadium	47.8		0.576	2.28	1	06/05/2024 11:37	WG2297398
G-E2-1-3.0	L1740925-11	Zinc	91.2		0.947	5.69	1	06/05/2024 11:37	WG2297398
G-E3-1-1.0	L1740925-14	Antimony	8.78		0.633	2.33	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Arsenic	12.7		0.602	2.33	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Barium	228		0.0991	0.581	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Beryllium	0.0762	J	0.0366	0.233	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Cadmium	5.40		0.0548	0.581	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Chromium	43.5		0.155	1.16	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Cobalt	5.57		0.0943	1.16	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Copper	209		0.465	2.33	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Lead	1780		0.242	0.581	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Molybdenum	15.5		0.127	0.581	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Nickel	25.4		0.153	2.33	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Vanadium	26.7		0.588	2.33	1	06/05/2024 11:39	WG2297398
G-E3-1-1.0	L1740925-14	Zinc	838		0.967	5.81	1	06/05/2024 11:39	WG2297398
G-E3-1-2.0	L1740925-15	Antimony	3.41		0.656	2.41	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Arsenic	0.960	J	0.624	2.41	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Barium	181		0.103	0.602	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Beryllium	0.285		0.0380	0.241	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Cadmium	0.208	J	0.0568	0.602	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Chromium	51.0		0.160	1.20	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Cobalt	13.9		0.0977	1.20	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Copper	37.5		0.482	2.41	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Lead	99.2		0.251	0.602	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Molybdenum	0.233	J	0.131	0.602	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Nickel	49.3		0.159	2.41	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Vanadium	76.0		0.610	2.41	1	06/05/2024 11:41	WG2297398
G-E3-1-2.0	L1740925-15	Zinc	205		1.00	6.02	1	06/05/2024 11:41	WG2297398

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E3-1-3.0	L1740925-16	Antimony	7.44		0.653	2.40	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Arsenic	3.56		0.622	2.40	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Barium	248		0.102	0.600	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Beryllium	0.238	J	0.0378	0.240	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Cadmium	0.547	J	0.0566	0.600	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Chromium	45.7		0.160	1.20	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Cobalt	12.7		0.0974	1.20	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Copper	35.9		0.480	2.40	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Lead	506		0.250	0.600	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Molybdenum	0.387	J	0.131	0.600	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Nickel	44.9		0.158	2.40	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Vanadium	64.9		0.608	2.40	1	06/05/2024 11:42	WG2297398
G-E3-1-3.0	L1740925-16	Zinc	241		0.999	6.00	1	06/05/2024 11:42	WG2297398
G-E3-1-4.0	L1740925-17	Antimony	6.99		0.650	2.39	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Arsenic	6.39	B	0.619	2.39	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Barium	231		0.102	0.598	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Beryllium	0.605		0.0377	0.239	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Cadmium	0.130	J	0.0563	0.598	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Chromium	65.2		0.159	1.20	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Cobalt	10.2		0.0969	1.20	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Copper	26.2		0.478	2.39	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Lead	26.0		0.249	0.598	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Molybdenum	0.270	J	0.130	0.598	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Nickel	65.5		0.158	2.39	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Vanadium	69.7		0.605	2.39	1	06/13/2024 18:24	WG2300670
G-E3-1-4.0	L1740925-17	Zinc	70.2		0.995	5.98	1	06/13/2024 18:24	WG2300670
G-F1-1-1.0	L1740925-20	Antimony	4.50		0.637	2.34	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Arsenic	3.78		0.606	2.34	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Barium	115		0.0997	0.585	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Beryllium	0.293		0.0369	0.234	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Cadmium	0.128	J	0.0551	0.585	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Chromium	45.5		0.156	1.17	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Cobalt	11.6		0.0949	1.17	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Copper	51.2		0.468	2.34	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Lead	83.9		0.243	0.585	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Molybdenum	1.08		0.128	0.585	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Nickel	37.7		0.154	2.34	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Vanadium	66.8		0.592	2.34	1	06/05/2024 11:47	WG2297398
G-F1-1-1.0	L1740925-20	Zinc	74.7		0.974	5.85	1	06/05/2024 11:47	WG2297398
G-F1-1-2.0	L1740925-21	Antimony	4.12		0.722	2.65	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Arsenic	6.51		0.687	2.65	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Barium	178		0.113	0.663	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Beryllium	0.292		0.0418	0.265	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Cadmium	2.10		0.0625	0.663	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Chromium	59.0		0.176	1.33	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Cobalt	19.0		0.108	1.33	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Copper	81.4		0.531	2.65	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Lead	219		0.276	0.663	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Molybdenum	0.622	J	0.145	0.663	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Nickel	85.9		0.175	2.65	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Vanadium	66.5		0.671	2.65	1	06/05/2024 11:49	WG2297398
G-F1-1-2.0	L1740925-21	Zinc	1400		1.10	6.63	1	06/05/2024 11:49	WG2297398

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F1-1-3.0	L1740925-22	Antimony	11.4		0.726	2.67	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Arsenic	5.00		0.692	2.67	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Barium	177		0.114	0.668	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Beryllium	0.308		0.0421	0.267	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Cadmium	10.3		0.0629	0.668	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Chromium	93.6		0.178	1.34	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Cobalt	17.5		0.108	1.34	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Copper	256		0.534	2.67	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Lead	194		0.278	0.668	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Molybdenum	0.680		0.146	0.668	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Nickel	88.2		0.176	2.67	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Vanadium	96.9		0.676	2.67	1	06/05/2024 11:51	WG2297398
G-F1-1-3.0	L1740925-22	Zinc	1180		1.11	6.68	1	06/05/2024 11:51	WG2297398
G-F1-1-4.0	L1740925-23	Lead	46.8		0.284	0.684	1	06/27/2024 20:17	WG2313442
G-F1-1-4.0	L1740925-23	Nickel	55.1		0.181	2.74	1	06/27/2024 20:17	WG2313442

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-06	L1740925-25	Antimony,Dissolved	1.10	J	1.03	4.00	1	06/19/2024 01:03	WG2297585
P-06	L1740925-25	Arsenic	7.22		0.180	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Arsenic,Dissolved	8.01		0.180	2.00	1	06/19/2024 01:03	WG2297585
P-06	L1740925-25	Barium	68.9		0.381	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Beryllium	0.222	J	0.190	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Cadmium	0.656	J	0.150	1.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Chromium	15.4		1.24	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Copper	17.1		1.51	5.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Copper,Dissolved	2.10	J	1.51	5.00	1	06/19/2024 01:03	WG2297585
P-06	L1740925-25	Cobalt	2.55		0.0596	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Lead	7.60		0.849	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Molybdenum	23.1		0.348	5.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Nickel	15.4		0.816	2.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Nickel,Dissolved	0.956	J	0.816	2.00	1	06/19/2024 01:03	WG2297585
P-06	L1740925-25	Vanadium	52.3		0.664	5.00	1	06/27/2024 22:38	WG2305428
P-06	L1740925-25	Zinc	31.5		3.02	25.0	1	06/27/2024 22:38	WG2305428
P-08	L1740925-26	Antimony	39.3		1.03	4.00	1	07/03/2024 11:17	WG2316050
P-08	L1740925-26	Antimony,Dissolved	39.2		1.03	4.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Arsenic	11.8		0.180	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Arsenic,Dissolved	5.51		0.180	2.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Barium	209		0.381	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Beryllium	0.738	J	0.190	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Cadmium	53.3		0.150	1.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Chromium	67.1		1.24	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Copper	309		1.51	5.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Copper,Dissolved	3.76	J	1.51	5.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Cobalt	16.2		0.0596	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Lead	9470		0.849	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Lead,Dissolved	2.65		0.849	2.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Molybdenum	4.82	J	0.348	5.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Nickel	84.3		0.816	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Nickel,Dissolved	12.4		0.816	2.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Selenium	1.39	J	0.300	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Selenium,Dissolved	1.20	J	0.300	2.00	1	06/19/2024 11:22	WG2297585
P-08	L1740925-26	Thallium	0.254	J	0.121	2.00	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Vanadium	67.2		0.664	5.00	1	06/27/2024 23:29	WG2305428

DETECTION SUMMARY

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-08	L1740925-26	Zinc	7100		3.02	25.0	1	06/27/2024 23:29	WG2305428
P-08	L1740925-26	Zinc,Dissolved	8.46	J	3.02	25.0	1	06/19/2024 11:22	WG2297585
DUP-03	L1740925-27	Antimony,Dissolved	1.14	J	1.03	4.00	1	06/19/2024 02:36	WG2297585
DUP-03	L1740925-27	Arsenic	7.69		0.180	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Arsenic,Dissolved	7.85		0.180	2.00	1	06/19/2024 02:36	WG2297585
DUP-03	L1740925-27	Barium	47.7		0.381	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Cadmium	0.325	J	0.150	1.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Chromium	9.50		1.24	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Copper	10.6		1.51	5.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Copper,Dissolved	1.69	J	1.51	5.00	1	06/19/2024 02:36	WG2297585
DUP-03	L1740925-27	Cobalt	1.56	J	0.0596	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Lead	5.01		0.849	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Molybdenum	20.1		0.348	5.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Nickel	9.57		0.816	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Selenium	0.312	J	0.300	2.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Vanadium	35.7		0.664	5.00	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Zinc	19.8	J	3.02	25.0	1	06/27/2024 22:45	WG2305428
DUP-03	L1740925-27	Zinc,Dissolved	3.64	J	3.02	25.0	1	06/19/2024 02:36	WG2297585

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-06	L1740925-25	TPHG C5 - C12	72.5	J	30.4	100	1	06/03/2024 14:07	WG2297466
P-08	L1740925-26	TPHG C5 - C12	62.6	J	30.4	100	1	06/03/2024 14:30	WG2297466
DUP-03	L1740925-27	TPHG C5 - C12	73.3	J	30.4	100	1	06/03/2024 14:53	WG2297466

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-45-8-5.0	L1740925-01	TPHG C5 - C12	4.27	B	1.16	3.50	25	06/02/2024 16:56	WG2297113
SVP-06-8-5.0	L1740925-02	TPHG C5 - C12	3.87	B J	1.35	4.05	25	06/02/2024 17:19	WG2297113
G/BS-D4-1-3.0	L1740925-06	TPHG C5 - C12	13.1	B	1.03	3.10	25	06/02/2024 17:46	WG2297113
G/BS-D4-1-5.0	L1740925-08	TPHG C5 - C12	3.84	B	1.23	3.71	25	06/02/2024 18:10	WG2297113
G-E2-1-3.0	L1740925-11	TPHG C5 - C12	5.29	B	1.07	3.22	25	06/02/2024 18:33	WG2297113
G-E2-1-5.0	L1740925-13	TPHG C5 - C12	3.14	B J	1.09	3.29	25	06/02/2024 18:57	WG2297113
G-E3-1-3.0	L1740925-16	TPHG C5 - C12	3.95	B	1.20	3.63	25	06/02/2024 19:20	WG2297113
G-E3-1-5.0	L1740925-18	TPHG C5 - C12	1.64	B J	0.966	2.91	25	06/02/2024 19:43	WG2297113
G-F1-1-3.0	L1740925-22	TPHG C5 - C12	3.76	B J	1.43	4.32	25	06/02/2024 20:07	WG2297113
G-F1-1-5.0	L1740925-24	TPHG C5 - C12	2.77	B J	1.43	4.30	25	06/02/2024 20:30	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052824	L1740925-03	Benzene	0.0943	J	0.0941	1.00	1	06/03/2024 19:21	WG2297610
EB-052824	L1740925-03	Ethylbenzene	0.151	J	0.137	1.00	1	06/03/2024 19:21	WG2297610

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-06	L1740925-25	Benzene	0.265	J	0.0941	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	Chlorobenzene	1.54		0.116	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	1,2-Dichlorobenzene	2.04		0.107	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	1,1-Dichloroethane	2.62		0.100	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	1,1-Dichloroethene	0.194	J	0.188	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	cis-1,2-Dichloroethene	175		0.126	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	trans-1,2-Dichloroethene	3.47		0.149	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	Naphthalene	1.74	J	1.00	5.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	Trichloroethene	6.16		0.190	1.00	1	06/03/2024 20:47	WG2297610
P-06	L1740925-25	Xylenes, Total	0.254	J	0.174	3.00	1	06/03/2024 20:47	WG2297610
P-08	L1740925-26	Benzene	2.45		0.0941	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Chlorobenzene	0.328	J	0.116	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Chloroethane	1.17	J J3	0.192	5.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	1,2-Dichlorobenzene	1.41		0.107	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	1,1-Dichloroethane	6.04		0.100	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	cis-1,2-Dichloroethene	25.6		0.126	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	trans-1,2-Dichloroethene	1.17		0.149	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Di-isopropyl ether	0.204	J	0.105	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Methyl tert-butyl ether	0.583	J	0.101	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Toluene	0.281	J	0.278	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	1,2,4-Trimethylbenzene	0.484	J	0.322	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	1,2,3-Trimethylbenzene	0.240	J	0.104	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	1,3,5-Trimethylbenzene	0.250	J	0.104	1.00	1	06/03/2024 21:08	WG2297610
P-08	L1740925-26	Xylenes, Total	0.199	J	0.174	3.00	1	06/03/2024 21:08	WG2297610
DUP-03	L1740925-27	Benzene	0.251	J	0.0941	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	Chlorobenzene	1.34		0.116	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	1,2-Dichlorobenzene	1.90		0.107	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	1,1-Dichloroethane	2.61		0.100	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	1,1-Dichloroethene	0.264	J	0.188	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	cis-1,2-Dichloroethene	186		0.126	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	trans-1,2-Dichloroethene	3.39		0.149	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	Naphthalene	1.66	J	1.00	5.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	Trichloroethene	5.12		0.190	1.00	1	06/03/2024 21:30	WG2297610
DUP-03	L1740925-27	1,2,3-Trimethylbenzene	0.107	J	0.104	1.00	1	06/03/2024 21:30	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-45-8-5.0	L1740925-01	Benzene	0.0114		0.000654	0.00140	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	1,1-Dichloroethane	0.00266	J	0.000687	0.00350	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	cis-1,2-Dichloroethene	0.0119		0.00103	0.00350	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	Ethylbenzene	0.0107		0.00103	0.00350	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	p-Isopropyltoluene	0.0277		0.00357	0.00700	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	Naphthalene	0.0218		0.00683	0.0175	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	n-Propylbenzene	0.00572	J	0.00133	0.00702	1	06/05/2024 21:10	WG2299252
SVP-45-8-5.0	L1740925-01	Toluene	0.0146		0.00182	0.00700	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	1,2,4-Trimethylbenzene	0.0120		0.00221	0.00700	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	1,2,3-Trimethylbenzene	0.00797		0.00221	0.00700	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	1,3,5-Trimethylbenzene	0.00573	J	0.00280	0.00700	1	06/04/2024 02:23	WG2297487
SVP-45-8-5.0	L1740925-01	Xylenes, Total	0.0344		0.00123	0.00910	1	06/04/2024 02:23	WG2297487

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-06-8-5.0	L1740925-02	Benzene	0.000930	J	0.000757	0.00162	1	06/04/2024 02:43	WG2297487
SVP-06-8-5.0	L1740925-02	Naphthalene	0.0123	J	0.00791	0.0203	1	06/04/2024 02:43	WG2297487
SVP-06-8-5.0	L1740925-02	Toluene	0.00413	J	0.00211	0.00810	1	06/04/2024 02:43	WG2297487
SVP-06-8-5.0	L1740925-02	1,2,4-Trimethylbenzene	0.00438	J	0.00256	0.00810	1	06/04/2024 02:43	WG2297487
SVP-06-8-5.0	L1740925-02	1,2,3-Trimethylbenzene	0.00407	J	0.00256	0.00810	1	06/04/2024 02:43	WG2297487
SVP-06-8-5.0	L1740925-02	Xylenes, Total	0.00679	J	0.00143	0.0105	1	06/04/2024 02:43	WG2297487
G/BS-D4-1-2.0	L1740925-05	Ethylbenzene	0.00622		0.00118	0.00402	1.34	06/04/2024 03:03	WG2297487
G/BS-D4-1-2.0	L1740925-05	Xylenes, Total	0.0449		0.00141	0.0104	1.34	06/04/2024 03:03	WG2297487
G/BS-D4-1-3.0	L1740925-06	Benzene	0.00832		0.000579	0.00124	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	sec-Butylbenzene	0.00396	J	0.00357	0.0155	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Chlorobenzene	0.000283	B J	0.000260	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,4-Dichlorobenzene	0.00239	J	0.000868	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,1-Dichloroethane	0.00138	J	0.000609	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Ethylbenzene	0.0109		0.000914	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Isopropylbenzene	0.00660		0.000527	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	p-Isopropyltoluene	0.0108		0.00316	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Methylene Chloride	0.0153	J	0.00824	0.0310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	4-Methyl-2-pentanone (MIBK)	0.00454	J	0.00283	0.0310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Naphthalene	0.0543		0.00605	0.0155	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	n-Propylbenzene	0.00494	J	0.00118	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Tetrachloroethene	0.00474		0.00111	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Toluene	0.0296		0.00161	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,1,1-Trichloroethane	0.00812		0.00114	0.00310	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Trichloroethene	0.000734	J	0.000724	0.00124	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,2,4-Trimethylbenzene	0.0354		0.00196	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,2,3-Trimethylbenzene	0.0872		0.00196	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	1,3,5-Trimethylbenzene	0.0187		0.00248	0.00620	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-3.0	L1740925-06	Xylenes, Total	0.0686		0.00109	0.00806	1	06/03/2024 17:04	WG2297589
G/BS-D4-1-5.0	L1740925-08	Methylene Chloride	0.0168	J	0.00985	0.0371	1	06/03/2024 17:23	WG2297589
G/BS-D4-1-5.0	L1740925-08	Xylenes, Total	0.00181	J	0.00131	0.00964	1	06/03/2024 17:23	WG2297589
G-E2-1-2.0	L1740925-10	Methylene Chloride	0.0147	J	0.00874	0.0329	1	06/03/2024 17:42	WG2297589
G-E2-1-2.0	L1740925-10	Naphthalene	0.0167		0.00642	0.0164	1	06/03/2024 17:42	WG2297589
G-E2-1-2.0	L1740925-10	1,2,4-Trimethylbenzene	0.00321	J	0.00208	0.00658	1	06/03/2024 17:42	WG2297589
G-E2-1-2.0	L1740925-10	1,2,3-Trimethylbenzene	0.00418	J	0.00208	0.00658	1	06/03/2024 17:42	WG2297589
G-E2-1-3.0	L1740925-11	Methylene Chloride	0.0165	J	0.00855	0.0322	1	06/03/2024 18:01	WG2297589
G-E2-1-3.0	L1740925-11	Naphthalene	0.00922	J	0.00628	0.0161	1	06/03/2024 18:01	WG2297589
G-E2-1-3.0	L1740925-11	1,2,4-Trimethylbenzene	0.00237	J	0.00203	0.00644	1	06/03/2024 18:01	WG2297589
G-E2-1-3.0	L1740925-11	1,2,3-Trimethylbenzene	0.00264	J	0.00203	0.00644	1	06/03/2024 18:01	WG2297589
G-E2-1-3.0	L1740925-11	Xylenes, Total	0.00158	J	0.00113	0.00837	1	06/03/2024 18:01	WG2297589
G-E2-1-5.0	L1740925-13	Methylene Chloride	0.0153	J	0.00875	0.0329	1	06/03/2024 18:21	WG2297589
G-E3-1-2.0	L1740925-15	Benzene	0.000784	J	0.000673	0.00144	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	Isopropylbenzene	0.000627	J	0.000613	0.00360	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	Methylene Chloride	0.0150	J	0.00957	0.0360	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	Naphthalene	0.0170	J	0.00704	0.0180	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	n-Propylbenzene	0.00147	J	0.00137	0.00721	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	Toluene	0.00386	J	0.00187	0.00721	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	1,2,4-Trimethylbenzene	0.0209		0.00228	0.00721	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	1,2,3-Trimethylbenzene	0.00975		0.00228	0.00721	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	1,3,5-Trimethylbenzene	0.00627	J	0.00288	0.00721	1	06/03/2024 18:39	WG2297589
G-E3-1-2.0	L1740925-15	Xylenes, Total	0.0105		0.00127	0.00937	1	06/03/2024 18:39	WG2297589
G-E3-1-3.0	L1740925-16	Benzene	0.00276		0.000678	0.00145	1	06/03/2024 18:59	WG2297589
G-E3-1-3.0	L1740925-16	Xylenes, Total	0.00601	J	0.00128	0.00943	1	06/03/2024 18:59	WG2297589
G-F1-1-2.0	L1740925-21	Tetrachloroethene	0.0715		0.00155	0.00433	1	06/03/2024 19:37	WG2297589
G-F1-1-3.0	L1740925-22	Tetrachloroethene	0.0288		0.00155	0.00432	1	06/03/2024 19:56	WG2297589
G-F1-1-3.0	L1740925-22	Trichloroethene	0.00939		0.00101	0.00173	1	06/03/2024 19:56	WG2297589
G-F1-1-5.0	L1740925-24	cis-1,2-Dichloroethene	0.00282	J	0.00126	0.00430	1	06/03/2024 20:15	WG2297589

DETECTION SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
P-06	L1740925-25	C12-C22 Hydrocarbons	382		33.0	100	1	05/31/2024 16:32	WG2295250
P-06	L1740925-25	C22-C32 Hydrocarbons	268		33.0	100	1	05/31/2024 16:32	WG2295250
P-06	L1740925-25	C32-C40 Hydrocarbons	67.4	J	33.0	100	1	05/31/2024 16:32	WG2295250
P-08	L1740925-26	C12-C22 Hydrocarbons	2030		33.0	100	1	05/31/2024 16:53	WG2295250
P-08	L1740925-26	C22-C32 Hydrocarbons	2890		33.0	100	1	05/31/2024 16:53	WG2295250
P-08	L1740925-26	C32-C40 Hydrocarbons	1200		33.0	100	1	05/31/2024 16:53	WG2295250
DUP-03	L1740925-27	C12-C22 Hydrocarbons	405		33.0	100	1	05/31/2024 17:13	WG2295250
DUP-03	L1740925-27	C22-C32 Hydrocarbons	333		33.0	100	1	05/31/2024 17:13	WG2295250
DUP-03	L1740925-27	C32-C40 Hydrocarbons	199		33.0	100	1	05/31/2024 17:13	WG2295250

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-45-8-5.0	L1740925-01	C12-C22 Hydrocarbons	11.5	J	4.38	23.9	5	06/05/2024 00:55	WG2298254
SVP-45-8-5.0	L1740925-01	C22-C32 Hydrocarbons	62.1		7.94	23.9	5	06/05/2024 00:55	WG2298254
SVP-45-8-5.0	L1740925-01	C32-C40 Hydrocarbons	55.3		7.94	23.9	5	06/05/2024 00:55	WG2298254
SVP-06-8-5.0	L1740925-02	C12-C22 Hydrocarbons	1.97	J	1.89	10.3	2	06/05/2024 11:26	WG2298254
SVP-06-8-5.0	L1740925-02	C22-C32 Hydrocarbons	7.03	J	3.42	10.3	2	06/05/2024 11:26	WG2298254
SVP-06-8-5.0	L1740925-02	C32-C40 Hydrocarbons	7.57	J	3.42	10.3	2	06/05/2024 11:26	WG2298254
G/BS-D4-1-3.0	L1740925-06	C12-C22 Hydrocarbons	34.6	J	8.17	44.6	10	06/05/2024 02:15	WG2298254
G/BS-D4-1-3.0	L1740925-06	C22-C32 Hydrocarbons	181		14.8	44.6	10	06/05/2024 02:15	WG2298254
G/BS-D4-1-3.0	L1740925-06	C32-C40 Hydrocarbons	127		14.8	44.6	10	06/05/2024 02:15	WG2298254
G/BS-D4-1-5.0	L1740925-08	C22-C32 Hydrocarbons	351		81.6	245	50	06/05/2024 03:08	WG2298254
G/BS-D4-1-5.0	L1740925-08	C32-C40 Hydrocarbons	557		81.6	245	50	06/05/2024 03:08	WG2298254
G-E2-1-3.0	L1740925-11	C12-C22 Hydrocarbons	8.40		0.835	4.55	1	06/05/2024 00:29	WG2298254
G-E2-1-3.0	L1740925-11	C22-C32 Hydrocarbons	52.1		1.51	4.55	1	06/05/2024 00:29	WG2298254
G-E2-1-3.0	L1740925-11	C32-C40 Hydrocarbons	39.2		1.51	4.55	1	06/05/2024 00:29	WG2298254
G-E2-1-5.0	L1740925-13	C12-C22 Hydrocarbons	7.21	J	4.21	23.0	5	06/05/2024 01:35	WG2298254
G-E2-1-5.0	L1740925-13	C22-C32 Hydrocarbons	76.9		7.63	23.0	5	06/05/2024 01:35	WG2298254
G-E2-1-5.0	L1740925-13	C32-C40 Hydrocarbons	87.0		7.63	23.0	5	06/05/2024 01:35	WG2298254
G-E3-1-3.0	L1740925-16	C12-C22 Hydrocarbons	46.7	J	44.1	240	50	06/05/2024 02:54	WG2298254
G-E3-1-3.0	L1740925-16	C22-C32 Hydrocarbons	421		79.8	240	50	06/05/2024 02:54	WG2298254
G-E3-1-3.0	L1740925-16	C32-C40 Hydrocarbons	415		79.8	240	50	06/05/2024 02:54	WG2298254
G-E3-1-5.0	L1740925-18	C12-C22 Hydrocarbons	16.7	J	7.74	42.2	10	06/05/2024 02:01	WG2298254
G-E3-1-5.0	L1740925-18	C22-C32 Hydrocarbons	69.0		14.0	42.2	10	06/05/2024 02:01	WG2298254
G-E3-1-5.0	L1740925-18	C32-C40 Hydrocarbons	59.6		14.0	42.2	10	06/05/2024 02:01	WG2298254
G-F1-1-3.0	L1740925-22	C22-C32 Hydrocarbons	55.7		17.8	53.4	10	06/05/2024 02:28	WG2298254
G-F1-1-3.0	L1740925-22	C32-C40 Hydrocarbons	84.4		17.8	53.4	10	06/05/2024 02:28	WG2298254
G-F1-1-5.0	L1740925-24	C12-C22 Hydrocarbons	1.05	J	0.970	5.29	1	06/04/2024 23:49	WG2298254

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-D4-1-1.0	L1740925-04	PCB 1254	0.790		0.0391	0.0900	5	06/04/2024 14:13	WG2297376
G/BS-D4-1-2.0	L1740925-05	PCB 1254	3.69		0.0822	0.189	10	06/21/2024 01:17	WG2304143
G-E3-1-1.0	L1740925-14	PCB 1242	1.88		0.0687	0.198	5	06/04/2024 14:31	WG2297376
G-E3-1-1.0	L1740925-14	PCB 1254	1.14		0.0429	0.0988	5	06/04/2024 14:31	WG2297376

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-D4-1-1.0	L1740925-04	Acenaphthene	0.141	J	0.0571	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Acenaphthylene	0.110	J	0.0497	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Anthracene	0.416		0.0628	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Benzo(a)anthracene	1.26		0.0622	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Benzo(b)fluoranthene	1.68		0.0658	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Benzo(k)fluoranthene	0.510		0.0627	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Benzo(g,h,i)perylene	0.550		0.0645	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Benzo(a)pyrene	1.10		0.0656	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Chrysene	1.19		0.0701	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Dibenz(a,h)anthracene	0.163	J	0.0978	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Fluoranthene	2.88		0.0637	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Fluorene	0.213	J	0.0574	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Indeno(1,2,3-cd)pyrene	0.638		0.0997	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Phenanthrene	1.72		0.0700	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-1.0	L1740925-04	Pyrene	1.99		0.0686	0.353	10	06/08/2024 00:22	WG2298678
G/BS-D4-1-2.0	L1740925-05	Anthracene	0.00795	J	0.00660	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzo(a)anthracene	0.0938		0.00654	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzo(b)fluoranthene	0.168		0.00692	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzo(k)fluoranthene	0.0578		0.00659	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzo(g,h,i)perylene	0.0549		0.00678	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzo(a)pyrene	0.112		0.00689	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Chrysene	0.137		0.00737	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Dibenz(a,h)anthracene	0.0193	J	0.0103	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Fluoranthene	0.0935		0.00669	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Indeno(1,2,3-cd)pyrene	0.0688		0.0105	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Phenanthrene	0.0337	J	0.00736	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Benzylbutyl phthalate	0.0134	J	0.0116	0.371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Pyrene	0.110		0.00722	0.0371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-2.0	L1740925-05	Phenol	0.0340	J	0.0149	0.371	1	06/06/2024 17:40	WG2298678
G/BS-D4-1-3.0	L1740925-06	Acenaphthene	0.0207	J	0.00601	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Acenaphthylene	0.0161	J	0.00523	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Anthracene	0.0599		0.00661	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzo(a)anthracene	0.378		0.00654	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzo(b)fluoranthene	0.737		0.00692	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzo(k)fluoranthene	0.215		0.00660	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzo(g,h,i)perylene	0.200		0.00679	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzo(a)pyrene	0.448		0.00690	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Chrysene	0.495		0.00738	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Dibenz(a,h)anthracene	0.0753		0.0103	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Fluoranthene	0.492		0.00670	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Fluorene	0.0196	J	0.00604	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Indeno(1,2,3-cd)pyrene	0.255		0.0105	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Naphthalene	0.0607		0.00932	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Phenanthrene	0.227		0.00737	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Benzylbutyl phthalate	0.0156	J	0.0116	0.371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Bis(2-ethylhexyl)phthalate	0.111	J	0.0470	0.371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Di-n-butyl phthalate	0.0282	J	0.0127	0.371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Pyrene	0.471		0.00722	0.0371	1	06/06/2024 18:05	WG2298678
G/BS-D4-1-3.0	L1740925-06	Phenol	0.448		0.0149	0.371	1	06/06/2024 18:05	WG2298678

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E2-1-1.0	L1740925-09	Benzo(a)anthracene	0.0168	J	0.00675	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Benzo(b)fluoranthene	0.0263	J	0.00714	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Benzo(k)fluoranthene	0.00798	J	0.00681	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Benzo(g,h,i)perylene	0.0168	J	0.00700	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Benzo(a)pyrene	0.0177	J	0.00712	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Chrysene	0.0221	J	0.00761	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Fluoranthene	0.0166	J	0.00691	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Indeno(1,2,3-cd)pyrene	0.0160	J	0.0108	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Phenanthrene	0.0110	J	0.00760	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-1.0	L1740925-09	Pyrene	0.0213	J	0.00745	0.0383	1	06/06/2024 16:01	WG2298678
G-E2-1-2.0	L1740925-10	Benzo(a)anthracene	0.0193	J	0.00673	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Benzo(b)fluoranthene	0.0368	J	0.00712	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Benzo(k)fluoranthene	0.00791	J	0.00679	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Benzo(g,h,i)perylene	0.0171	J	0.00698	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Benzo(a)pyrene	0.0216	J	0.00710	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Chrysene	0.0252	J	0.00759	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Fluoranthene	0.0306	J	0.00689	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Indeno(1,2,3-cd)pyrene	0.0136	J	0.0108	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Naphthalene	0.0259	J	0.00959	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Phenanthrene	0.0432		0.00758	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-2.0	L1740925-10	Pyrene	0.0407		0.00743	0.0382	1	06/06/2024 16:51	WG2298678
G-E2-1-3.0	L1740925-11	Acenaphthylene	0.00627	J	0.00534	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Benzo(a)anthracene	0.0157	J	0.00668	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Benzo(b)fluoranthene	0.0323	J	0.00707	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Benzo(k)fluoranthene	0.0124	J	0.00674	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Benzo(g,h,i)perylene	0.0195	J	0.00693	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Benzo(a)pyrene	0.0206	J	0.00705	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Chrysene	0.0235	J	0.00754	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Fluoranthene	0.0491		0.00684	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Indeno(1,2,3-cd)pyrene	0.0197	J	0.0107	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Phenanthrene	0.0302	J	0.00753	0.0379	1	06/06/2024 15:36	WG2298678
G-E2-1-3.0	L1740925-11	Pyrene	0.0451		0.00738	0.0379	1	06/06/2024 15:36	WG2298678
G-E3-1-1.0	L1740925-14	Pyrene	1.53	J	1.51	7.74	200	06/06/2024 19:45	WG2298678
G-E3-1-2.0	L1740925-15	Benzo(a)anthracene	0.00795	J	0.00707	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Benzo(b)fluoranthene	0.0151	J	0.00748	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Benzo(g,h,i)perylene	0.00972	J	0.00734	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Benzo(a)pyrene	0.0117	J	0.00746	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Chrysene	0.0113	J	0.00798	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Fluoranthene	0.0180	J	0.00724	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Fluorene	0.00742	J	0.00653	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Indeno(1,2,3-cd)pyrene	0.0119	J	0.0113	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Naphthalene	0.0148	J	0.0101	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Phenanthrene	0.0235	J	0.00796	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Bis(2-ethylhexyl)phthalate	0.0888	J	0.0508	0.401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	Pyrene	0.0206	J	0.00781	0.0401	1	06/06/2024 13:57	WG2298678
G-E3-1-2.0	L1740925-15	2,4-Dimethylphenol	0.0129	J	0.0105	0.401	1	06/06/2024 13:57	WG2298678

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-E3-1-3.0	L1740925-16	Acenaphthylene	0.0155	J	0.0113	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Anthracene	0.0315	J	0.0143	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Benzo(a)anthracene	0.102		0.0140	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Benzo(b)fluoranthene	0.196		0.0149	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Benzo(k)fluoranthene	0.0570	J	0.0142	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Benzo(g,h,i)perylene	0.0933		0.0146	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Benzo(a)pyrene	0.119		0.0149	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Chrysene	0.144		0.0158	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Dibenz(a,h)anthracene	0.0241	J	0.0222	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Fluoranthene	0.244		0.0144	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Fluorene	0.0192	J	0.0130	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Indeno(1,2,3-cd)pyrene	0.0878		0.0226	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Naphthalene	0.0211	J	0.0201	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Phenanthrene	0.162		0.0158	0.0800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Di-n-butyl phthalate	0.0538	J	0.0274	0.800	2	06/06/2024 20:12	WG2299140
G-E3-1-3.0	L1740925-16	Pyrene	0.229		0.0156	0.0800	2	06/06/2024 20:12	WG2299140
G-F1-1-1.0	L1740925-20	Acenaphthylene	0.0122	J	0.0110	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Benzo(a)anthracene	0.118		0.0137	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Benzo(b)fluoranthene	0.249		0.0145	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Benzo(k)fluoranthene	0.0751	J	0.0138	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Benzo(g,h,i)perylene	0.151		0.0143	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Benzo(a)pyrene	0.198		0.0145	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Chrysene	0.166		0.0154	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Dibenz(a,h)anthracene	0.0445	J	0.0217	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Fluoranthene	0.133		0.0140	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Indeno(1,2,3-cd)pyrene	0.153		0.0220	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Phenanthrene	0.0495	J	0.0154	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-1.0	L1740925-20	Pyrene	0.138		0.0152	0.0779	2	06/06/2024 20:32	WG2299140
G-F1-1-2.0	L1740925-21	Benzo(a)anthracene	0.111		0.0155	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Benzo(b)fluoranthene	0.229		0.0164	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Benzo(k)fluoranthene	0.0617	J	0.0157	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Benzo(g,h,i)perylene	0.110		0.0162	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Benzo(a)pyrene	0.137		0.0164	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Chrysene	0.195		0.0175	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Dibenz(a,h)anthracene	0.0333	J	0.0245	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Fluoranthene	0.131		0.0159	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Indeno(1,2,3-cd)pyrene	0.107		0.0249	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Phenanthrene	0.0452	J	0.0175	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-2.0	L1740925-21	Pyrene	0.146		0.0172	0.0883	2	06/06/2024 20:53	WG2299140
G-F1-1-3.0	L1740925-22	Acenaphthylene	0.0194	J	0.0125	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Anthracene	0.0219	J	0.0159	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Benzo(a)anthracene	0.168		0.0156	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Benzo(b)fluoranthene	0.304		0.0166	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Benzo(k)fluoranthene	0.0940		0.0158	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Benzo(g,h,i)perylene	0.158		0.0163	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Benzo(a)pyrene	0.211		0.0166	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Chrysene	0.260		0.0176	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Dibenz(a,h)anthracene	0.0447	J	0.0247	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Fluoranthene	0.219		0.0160	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Indeno(1,2,3-cd)pyrene	0.159		0.0251	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Phenanthrene	0.0714	J	0.0176	0.0889	2	06/06/2024 21:13	WG2299140
G-F1-1-3.0	L1740925-22	Pyrene	0.235		0.0174	0.0889	2	06/06/2024 21:13	WG2299140

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	05/31/2024 07:14	WG2296009

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.27	B	1.16	3.50	25	06/02/2024 16:56	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*06/02/2024 16:56*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0511	0.0700	1	06/04/2024 02:23	WG2297487
Acrylonitrile	U		0.00505	0.0175	1	06/04/2024 02:23	WG2297487
Benzene	0.0114		0.000654	0.00140	1	06/04/2024 02:23	WG2297487
Bromobenzene	U		0.00126	0.0175	1	06/04/2024 02:23	WG2297487
Bromodichloromethane	U		0.00102	0.00350	1	06/04/2024 02:23	WG2297487
Bromoform	U		0.00164	0.0350	1	06/04/2024 02:23	WG2297487
Bromomethane	U		0.00276	0.0175	1	06/04/2024 02:23	WG2297487
n-Butylbenzene	U		0.00735	0.0175	1	06/04/2024 02:23	WG2297487
sec-Butylbenzene	U		0.00403	0.0175	1	06/04/2024 02:23	WG2297487
tert-Butylbenzene	U		0.00273	0.00700	1	06/04/2024 02:23	WG2297487
Carbon tetrachloride	U		0.00126	0.00700	1	06/04/2024 02:23	WG2297487
Chlorobenzene	U		0.000294	0.00350	1	06/04/2024 02:23	WG2297487
Chlorodibromomethane	U		0.000857	0.00350	1	06/04/2024 02:23	WG2297487
Chloroethane	U		0.00238	0.00700	1	06/04/2024 02:23	WG2297487
Chloroform	U		0.00144	0.00350	1	06/04/2024 02:23	WG2297487
Chloromethane	U		0.00609	0.0175	1	06/04/2024 02:23	WG2297487
2-Chlorotoluene	U		0.00121	0.00350	1	06/04/2024 02:23	WG2297487
4-Chlorotoluene	U		0.000630	0.00700	1	06/04/2024 02:23	WG2297487
1,2-Dibromo-3-Chloropropane	U		0.00546	0.0350	1	06/04/2024 02:23	WG2297487
1,2-Dibromoethane	U		0.000907	0.00350	1	06/04/2024 02:23	WG2297487
Dibromomethane	U		0.00105	0.00700	1	06/04/2024 02:23	WG2297487
1,2-Dichlorobenzene	U		0.000595	0.00700	1	06/04/2024 02:23	WG2297487
1,3-Dichlorobenzene	U		0.000840	0.00700	1	06/04/2024 02:23	WG2297487
1,4-Dichlorobenzene	U		0.000980	0.00700	1	06/04/2024 02:23	WG2297487
Dichlorodifluoromethane	U		0.00225	0.00700	1	06/04/2024 02:23	WG2297487
1,1-Dichloroethane	0.00266	J	0.000687	0.00350	1	06/04/2024 02:23	WG2297487
1,2-Dichloroethane	U		0.000909	0.00350	1	06/04/2024 02:23	WG2297487
1,1-Dichloroethene	U		0.000848	0.00350	1	06/04/2024 02:23	WG2297487
cis-1,2-Dichloroethene	0.0119		0.00103	0.00350	1	06/04/2024 02:23	WG2297487
trans-1,2-Dichloroethene	U		0.00146	0.00700	1	06/04/2024 02:23	WG2297487
1,2-Dichloropropane	U		0.00199	0.00700	1	06/04/2024 02:23	WG2297487
1,1-Dichloropropene	U		0.00113	0.00350	1	06/04/2024 02:23	WG2297487
1,3-Dichloropropane	U		0.000701	0.00700	1	06/04/2024 02:23	WG2297487
cis-1,3-Dichloropropene	U		0.00106	0.00350	1	06/04/2024 02:23	WG2297487
trans-1,3-Dichloropropene	U		0.00160	0.00700	1	06/04/2024 02:23	WG2297487
2,2-Dichloropropane	U		0.00193	0.00350	1	06/04/2024 02:23	WG2297487
Di-isopropyl ether	U		0.000574	0.00140	1	06/04/2024 02:23	WG2297487
Ethylbenzene	0.0107		0.00103	0.00350	1	06/04/2024 02:23	WG2297487
Hexachloro-1,3-butadiene	U		0.00840	0.0350	1	06/04/2024 02:23	WG2297487
Isopropylbenzene	U		0.000597	0.00351	1	06/05/2024 21:10	WG2299252
p-Isopropyltoluene	0.0277		0.00357	0.00700	1	06/04/2024 02:23	WG2297487
2-Butanone (MEK)	U		0.0889	0.140	1	06/04/2024 02:23	WG2297487
Methylene Chloride	U		0.00930	0.0350	1	06/04/2024 02:23	WG2297487
4-Methyl-2-pentanone (MIBK)	U		0.00319	0.0350	1	06/04/2024 02:23	WG2297487

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000490	0.00140	1	06/04/2024 02:23	WG2297487
Naphthalene	0.0218		0.00683	0.0175	1	06/04/2024 02:23	WG2297487
n-Propylbenzene	0.00572	J	0.00133	0.00702	1	06/05/2024 21:10	WG2299252
Styrene	U		0.000321	0.0175	1	06/04/2024 02:23	WG2297487
1,1,1,2-Tetrachloroethane	U		0.00133	0.00350	1	06/04/2024 02:23	WG2297487
1,1,2,2-Tetrachloroethane	U		0.000973	0.00350	1	06/04/2024 02:23	WG2297487
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00350	1	06/04/2024 02:23	WG2297487
Tetrachloroethene	U		0.00125	0.00350	1	06/04/2024 02:23	WG2297487
Toluene	0.0146		0.00182	0.00700	1	06/04/2024 02:23	WG2297487
1,2,3-Trichlorobenzene	U		0.0103	0.0175	1	06/04/2024 02:23	WG2297487
1,2,4-Trichlorobenzene	U		0.00616	0.0175	1	06/04/2024 02:23	WG2297487
1,1,1-Trichloroethane	U		0.00129	0.00350	1	06/04/2024 02:23	WG2297487
1,1,2-Trichloroethane	U		0.000836	0.00350	1	06/04/2024 02:23	WG2297487
Trichloroethene	U		0.000818	0.00140	1	06/04/2024 02:23	WG2297487
Trichlorofluoromethane	U		0.00116	0.00350	1	06/04/2024 02:23	WG2297487
1,2,3-Trichloropropane	U		0.00227	0.0175	1	06/04/2024 02:23	WG2297487
1,2,4-Trimethylbenzene	0.0120		0.00221	0.00700	1	06/04/2024 02:23	WG2297487
1,2,3-Trimethylbenzene	0.00797		0.00221	0.00700	1	06/04/2024 02:23	WG2297487
1,3,5-Trimethylbenzene	0.00573	J	0.00280	0.00700	1	06/04/2024 02:23	WG2297487
Vinyl chloride	U		0.00162	0.00350	1	06/04/2024 02:23	WG2297487
Xylenes, Total	0.0344		0.00123	0.00910	1	06/04/2024 02:23	WG2297487
(S) Toluene-d8	*104*			*75.0-131*		*06/04/2024 02:23*	WG2297487
(S) Toluene-d8	*108*			*75.0-131*		*06/05/2024 21:10*	WG2299252
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/04/2024 02:23*	WG2297487
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 21:10*	WG2299252
(S) 1,2-Dichloroethane-d4	*83.3*			*70.0-130*		*06/04/2024 02:23*	WG2297487
(S) 1,2-Dichloroethane-d4	*89.0*			*70.0-130*		*06/05/2024 21:10*	WG2299252

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	11.5	J	4.38	23.9	5	06/05/2024 00:55	WG2298254
C22-C32 Hydrocarbons	62.1		7.94	23.9	5	06/05/2024 00:55	WG2298254
C32-C40 Hydrocarbons	55.3		7.94	23.9	5	06/05/2024 00:55	WG2298254
(S) o-Terphenyl	*53.5*			*18.0-148*		*06/05/2024 00:55*	WG2298254

Sample Narrative:

L1740925-01 WG2298254: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.8		1	05/31/2024 07:14	WG2296009

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.87	B J	1.35	4.05	25	06/02/2024 17:19	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.1*			*77.0-120*		*06/02/2024 17:19*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0592	0.0810	1	06/04/2024 02:43	WG2297487
Acrylonitrile	U		0.00585	0.0203	1	06/04/2024 02:43	WG2297487
Benzene	0.000930	J	0.000757	0.00162	1	06/04/2024 02:43	WG2297487
Bromobenzene	U		0.00146	0.0203	1	06/04/2024 02:43	WG2297487
Bromodichloromethane	U		0.00118	0.00405	1	06/04/2024 02:43	WG2297487
Bromoform	U		0.00190	0.0405	1	06/04/2024 02:43	WG2297487
Bromomethane	U		0.00319	0.0203	1	06/04/2024 02:43	WG2297487
n-Butylbenzene	U		0.00851	0.0203	1	06/04/2024 02:43	WG2297487
sec-Butylbenzene	U		0.00467	0.0203	1	06/04/2024 02:43	WG2297487
tert-Butylbenzene	U		0.00316	0.00810	1	06/04/2024 02:43	WG2297487
Carbon tetrachloride	U		0.00146	0.00810	1	06/04/2024 02:43	WG2297487
Chlorobenzene	U		0.000340	0.00405	1	06/04/2024 02:43	WG2297487
Chlorodibromomethane	U		0.000992	0.00405	1	06/04/2024 02:43	WG2297487
Chloroethane	U		0.00276	0.00810	1	06/04/2024 02:43	WG2297487
Chloroform	U		0.00167	0.00405	1	06/04/2024 02:43	WG2297487
Chloromethane	U		0.00705	0.0203	1	06/04/2024 02:43	WG2297487
2-Chlorotoluene	U		0.00140	0.00405	1	06/04/2024 02:43	WG2297487
4-Chlorotoluene	U		0.000729	0.00810	1	06/04/2024 02:43	WG2297487
1,2-Dibromo-3-Chloropropane	U		0.00632	0.0405	1	06/04/2024 02:43	WG2297487
1,2-Dibromoethane	U		0.00105	0.00405	1	06/04/2024 02:43	WG2297487
Dibromomethane	U		0.00122	0.00810	1	06/04/2024 02:43	WG2297487
1,2-Dichlorobenzene	U		0.000689	0.00810	1	06/04/2024 02:43	WG2297487
1,3-Dichlorobenzene	U		0.000972	0.00810	1	06/04/2024 02:43	WG2297487
1,4-Dichlorobenzene	U		0.00113	0.00810	1	06/04/2024 02:43	WG2297487
Dichlorodifluoromethane	U		0.00261	0.00810	1	06/04/2024 02:43	WG2297487
1,1-Dichloroethane	U		0.000796	0.00405	1	06/04/2024 02:43	WG2297487
1,2-Dichloroethane	U		0.00105	0.00405	1	06/04/2024 02:43	WG2297487
1,1-Dichloroethene	U		0.000982	0.00405	1	06/04/2024 02:43	WG2297487
cis-1,2-Dichloroethene	U		0.00119	0.00405	1	06/04/2024 02:43	WG2297487
trans-1,2-Dichloroethene	U		0.00169	0.00810	1	06/04/2024 02:43	WG2297487
1,2-Dichloropropane	U		0.00230	0.00810	1	06/04/2024 02:43	WG2297487
1,1-Dichloropropene	U		0.00131	0.00405	1	06/04/2024 02:43	WG2297487
1,3-Dichloropropane	U		0.000812	0.00810	1	06/04/2024 02:43	WG2297487
cis-1,3-Dichloropropene	U		0.00123	0.00405	1	06/04/2024 02:43	WG2297487
trans-1,3-Dichloropropene	U		0.00185	0.00810	1	06/04/2024 02:43	WG2297487
2,2-Dichloropropane	U		0.00224	0.00405	1	06/04/2024 02:43	WG2297487
Di-isopropyl ether	U		0.000665	0.00162	1	06/04/2024 02:43	WG2297487
Ethylbenzene	U		0.00119	0.00405	1	06/04/2024 02:43	WG2297487
Hexachloro-1,3-butadiene	U		0.00972	0.0405	1	06/04/2024 02:43	WG2297487
Isopropylbenzene	U		0.000689	0.00405	1	06/04/2024 02:43	WG2297487
p-Isopropyltoluene	U		0.00413	0.00810	1	06/04/2024 02:43	WG2297487
2-Butanone (MEK)	U		0.103	0.162	1	06/04/2024 02:43	WG2297487
Methylene Chloride	U		0.0108	0.0405	1	06/04/2024 02:43	WG2297487
4-Methyl-2-pentanone (MIBK)	U		0.00370	0.0405	1	06/04/2024 02:43	WG2297487

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000567	0.00162	1	06/04/2024 02:43	WG2297487
Naphthalene	0.0123	J	0.00791	0.0203	1	06/04/2024 02:43	WG2297487
n-Propylbenzene	U		0.00154	0.00810	1	06/04/2024 02:43	WG2297487
Styrene	U		0.000371	0.0203	1	06/04/2024 02:43	WG2297487
1,1,1,2-Tetrachloroethane	U		0.00154	0.00405	1	06/04/2024 02:43	WG2297487
1,1,2,2-Tetrachloroethane	U		0.00113	0.00405	1	06/04/2024 02:43	WG2297487
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00405	1	06/04/2024 02:43	WG2297487
Tetrachloroethene	U		0.00145	0.00405	1	06/04/2024 02:43	WG2297487
Toluene	0.00413	J	0.00211	0.00810	1	06/04/2024 02:43	WG2297487
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	06/04/2024 02:43	WG2297487
1,2,4-Trichlorobenzene	U		0.00713	0.0203	1	06/04/2024 02:43	WG2297487
1,1,1-Trichloroethane	U		0.00150	0.00405	1	06/04/2024 02:43	WG2297487
1,1,2-Trichloroethane	U		0.000968	0.00405	1	06/04/2024 02:43	WG2297487
Trichloroethene	U		0.000947	0.00162	1	06/04/2024 02:43	WG2297487
Trichlorofluoromethane	U		0.00134	0.00405	1	06/04/2024 02:43	WG2297487
1,2,3-Trichloropropane	U		0.00263	0.0203	1	06/04/2024 02:43	WG2297487
1,2,4-Trimethylbenzene	0.00438	J	0.00256	0.00810	1	06/04/2024 02:43	WG2297487
1,2,3-Trimethylbenzene	0.00407	J	0.00256	0.00810	1	06/04/2024 02:43	WG2297487
1,3,5-Trimethylbenzene	U		0.00324	0.00810	1	06/04/2024 02:43	WG2297487
Vinyl chloride	U		0.00188	0.00405	1	06/04/2024 02:43	WG2297487
Xylenes, Total	0.00679	J	0.00143	0.0105	1	06/04/2024 02:43	WG2297487
(S) Toluene-d8	*101*			*75.0-131*		*06/04/2024 02:43*	WG2297487
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/04/2024 02:43*	WG2297487
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*		*06/04/2024 02:43*	WG2297487

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.97	J	1.89	10.3	2	06/05/2024 11:26	WG2298254
C22-C32 Hydrocarbons	7.03	J	3.42	10.3	2	06/05/2024 11:26	WG2298254
C32-C40 Hydrocarbons	7.57	J	3.42	10.3	2	06/05/2024 11:26	WG2298254
(S) o-Terphenyl	*43.9*			*18.0-148*		*06/05/2024 11:26*	WG2298254

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/02/2024 17:43	WG2294959
Mercury,Dissolved	U		0.100	0.200	1	05/30/2024 20:22	WG2294965

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	U		0.736	5.00	1	06/04/2024 21:34	WG2296317
Beryllium,Dissolved	U		0.330	2.00	1	06/04/2024 21:34	WG2296317
Chromium,Dissolved	U		1.40	10.0	1	06/04/2024 21:34	WG2296317
Cobalt,Dissolved	U		0.840	10.0	1	06/04/2024 21:34	WG2296317
Molybdenum,Dissolved	U		1.16	5.00	1	06/04/2024 21:34	WG2296317
Vanadium,Dissolved	U		4.99	20.0	1	06/04/2024 21:34	WG2296317

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/27/2024 22:35	WG2305428
Antimony,Dissolved	U		1.03	4.00	1	06/19/2024 00:59	WG2297585
Arsenic	U		0.180	2.00	1	06/27/2024 22:35	WG2305428
Arsenic,Dissolved	U		0.180	2.00	1	06/19/2024 00:59	WG2297585
Barium	U		0.381	2.00	1	06/27/2024 22:35	WG2305428
Beryllium	U		0.190	2.00	1	06/27/2024 22:35	WG2305428
Cadmium	U		0.150	1.00	1	06/27/2024 22:35	WG2305428
Cadmium,Dissolved	U		0.150	1.00	1	06/19/2024 00:59	WG2297585
Chromium	U		1.24	2.00	1	06/27/2024 22:35	WG2305428
Copper	U		1.51	5.00	1	06/27/2024 22:35	WG2305428
Copper,Dissolved	U		1.51	5.00	1	06/19/2024 00:59	WG2297585
Cobalt	U		0.0596	2.00	1	06/27/2024 22:35	WG2305428
Lead	U		0.849	2.00	1	06/27/2024 22:35	WG2305428
Lead,Dissolved	U		0.849	2.00	1	06/19/2024 00:59	WG2297585
Molybdenum	U		0.348	5.00	1	06/27/2024 22:35	WG2305428
Nickel	U		0.816	2.00	1	06/27/2024 22:35	WG2305428
Nickel,Dissolved	U		0.816	2.00	1	06/19/2024 00:59	WG2297585
Selenium	U		0.300	2.00	1	06/27/2024 22:35	WG2305428
Selenium,Dissolved	U		0.300	2.00	1	06/19/2024 00:59	WG2297585
Silver	U		0.0700	2.00	1	06/27/2024 22:35	WG2305428
Silver,Dissolved	U		0.0700	2.00	1	06/19/2024 00:59	WG2297585
Thallium	U		0.121	2.00	1	06/27/2024 22:35	WG2305428
Thallium,Dissolved	U		0.121	2.00	1	06/19/2024 00:59	WG2297585
Vanadium	U		0.664	5.00	1	06/27/2024 22:35	WG2305428
Zinc	U		3.02	25.0	1	06/27/2024 22:35	WG2305428
Zinc,Dissolved	U		3.02	25.0	1	06/19/2024 00:59	WG2297585

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/03/2024 12:58	WG2297466
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*06/03/2024 12:58*	WG2297466

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	11.3	50.0	1	06/03/2024 19:21	WG2297610
Acrolein	U		2.54	50.0	1	06/03/2024 19:21	WG2297610
Acrylonitrile	U		0.671	10.0	1	06/03/2024 19:21	WG2297610
Benzene	0.0943	J	0.0941	1.00	1	06/03/2024 19:21	WG2297610
Bromobenzene	U		0.118	1.00	1	06/03/2024 19:21	WG2297610
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 19:21	WG2297610
Bromoform	U		0.129	1.00	1	06/03/2024 19:21	WG2297610
Bromomethane	U		0.605	5.00	1	06/03/2024 19:21	WG2297610
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 19:21	WG2297610
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 19:21	WG2297610
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 19:21	WG2297610
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 19:21	WG2297610
Chlorobenzene	U		0.116	1.00	1	06/03/2024 19:21	WG2297610
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 19:21	WG2297610
Chloroethane	U	J3	0.192	5.00	1	06/03/2024 19:21	WG2297610
Chloroform	U		0.111	5.00	1	06/03/2024 19:21	WG2297610
Chloromethane	U		0.960	2.50	1	06/03/2024 19:21	WG2297610
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 19:21	WG2297610
4-Chlorotoluene	U		0.114	1.00	1	06/03/2024 19:21	WG2297610
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 19:21	WG2297610
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 19:21	WG2297610
Dibromomethane	U		0.122	1.00	1	06/03/2024 19:21	WG2297610
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 19:21	WG2297610
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 19:21	WG2297610
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 19:21	WG2297610
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 19:21	WG2297610
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 19:21	WG2297610
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 19:21	WG2297610
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 19:21	WG2297610
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 19:21	WG2297610
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 19:21	WG2297610
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 19:21	WG2297610
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 19:21	WG2297610
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 19:21	WG2297610
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 19:21	WG2297610
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 19:21	WG2297610
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 19:21	WG2297610
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 19:21	WG2297610
Ethylbenzene	0.151	J	0.137	1.00	1	06/03/2024 19:21	WG2297610
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 19:21	WG2297610
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 19:21	WG2297610
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 19:21	WG2297610
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 19:21	WG2297610
Methylene Chloride	U		0.430	5.00	1	06/03/2024 19:21	WG2297610
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 19:21	WG2297610
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 19:21	WG2297610
Naphthalene	U		1.00	5.00	1	06/03/2024 19:21	WG2297610
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 19:21	WG2297610
Styrene	U		0.118	1.00	1	06/03/2024 19:21	WG2297610
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 19:21	WG2297610
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 19:21	WG2297610
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 19:21	WG2297610
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 19:21	WG2297610
Toluene	U		0.278	1.00	1	06/03/2024 19:21	WG2297610
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 19:21	WG2297610
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 19:21	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 19:21	WG2297610
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 19:21	WG2297610
Trichloroethene	U		0.190	1.00	1	06/03/2024 19:21	WG2297610
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 19:21	WG2297610
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 19:21	WG2297610
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 19:21	WG2297610
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 19:21	WG2297610
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 19:21	WG2297610
Vinyl chloride	U		0.234	1.00	1	06/03/2024 19:21	WG2297610
Xylenes, Total	U		0.174	3.00	1	06/03/2024 19:21	WG2297610
(S) Toluene-d8	*105*			*80.0-120*		*06/03/2024 19:21*	WG2297610
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/03/2024 19:21*	WG2297610
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/03/2024 19:21*	WG2297610

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	U		33.0	100	1	05/31/2024 16:12	WG2295250
C22-C32 Hydrocarbons	U		33.0	100	1	05/31/2024 16:12	WG2295250
C32-C40 Hydrocarbons	U		33.0	100	1	05/31/2024 16:12	WG2295250
(S) o-Terphenyl	*60.5*			*52.0-156*		*05/31/2024 16:12*	WG2295250

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.165		0.0191	0.0424	1	06/01/2024 17:56	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	10.5		0.576	2.12	1	06/05/2024 11:29	WG2297398
Arsenic	7.75		0.549	2.12	1	06/05/2024 11:29	WG2297398
Barium	373		0.0903	0.530	1	06/05/2024 11:29	WG2297398
Beryllium	0.149	J	0.0334	0.212	1	06/05/2024 11:29	WG2297398
Cadmium	1.73		0.0499	0.530	1	06/05/2024 11:29	WG2297398
Chromium	147		0.141	1.06	1	06/05/2024 11:29	WG2297398
Cobalt	8.99		0.0859	1.06	1	06/05/2024 11:29	WG2297398
Copper	266		0.424	2.12	1	06/05/2024 11:29	WG2297398
Lead	239		0.220	0.530	1	06/05/2024 11:29	WG2297398
Molybdenum	14.9		0.115	0.530	1	06/05/2024 11:29	WG2297398
Nickel	73.7		0.140	2.12	1	06/05/2024 11:29	WG2297398
Selenium	U		0.809	2.12	1	06/06/2024 01:03	WG2297398
Silver	U		0.135	1.06	1	06/05/2024 11:29	WG2297398
Thallium	U		0.417	2.12	1	06/05/2024 11:29	WG2297398
Vanadium	46.0		0.536	2.12	1	06/05/2024 11:29	WG2297398
Zinc	708		0.881	5.30	1	06/05/2024 11:29	WG2297398

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0360	1	06/03/2024 20:43	WG2297376
PCB 1221	U		0.0125	0.0360	1	06/03/2024 20:43	WG2297376
PCB 1232	U		0.0125	0.0360	1	06/03/2024 20:43	WG2297376
PCB 1242	U		0.0125	0.0360	1	06/03/2024 20:43	WG2297376
PCB 1248	U		0.00782	0.0180	1	06/03/2024 20:43	WG2297376
PCB 1254	0.790		0.0391	0.0900	5	06/04/2024 14:13	WG2297376
PCB 1260	U		0.00782	0.0180	1	06/03/2024 20:43	WG2297376
(S) Decachlorobiphenyl	*149*	J1		*10.0-135*		*06/03/2024 20:43*	WG2297376
(S) Decachlorobiphenyl	*76.9*			*10.0-135*		*06/04/2024 14:13*	WG2297376
(S) Tetrachloro-m-xylene	*98.5*			*10.0-139*		*06/03/2024 20:43*	WG2297376
(S) Tetrachloro-m-xylene	*68.8*			*10.0-139*		*06/04/2024 14:13*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.141	J	0.0571	0.353	10	06/08/2024 00:22	WG2298678
Acenaphthylene	0.110	J	0.0497	0.353	10	06/08/2024 00:22	WG2298678
Anthracene	0.416		0.0628	0.353	10	06/08/2024 00:22	WG2298678
Benzidine	U		0.663	17.7	10	06/08/2024 00:22	WG2298678
Benzo(a)anthracene	1.26		0.0622	0.353	10	06/08/2024 00:22	WG2298678
Benzo(b)fluoranthene	1.68		0.0658	0.353	10	06/08/2024 00:22	WG2298678
Benzo(k)fluoranthene	0.510		0.0627	0.353	10	06/08/2024 00:22	WG2298678
Benzo(g,h,i)perylene	0.550		0.0645	0.353	10	06/08/2024 00:22	WG2298678
Benzo(a)pyrene	1.10		0.0656	0.353	10	06/08/2024 00:22	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.106	3.53	10	06/08/2024 00:22	WG2298678
Bis(2-chloroethyl)ether	U		0.117	3.53	10	06/08/2024 00:22	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.153	3.53	10	06/08/2024 00:22	WG2298678
4-Bromophenyl-phenylether	U		0.124	3.53	10	06/08/2024 00:22	WG2298678
2-Chloronaphthalene	U		0.0620	0.353	10	06/08/2024 00:22	WG2298678
4-Chlorophenyl-phenylether	U		0.123	3.53	10	06/08/2024 00:22	WG2298678
Chrysene	1.19		0.0701	0.353	10	06/08/2024 00:22	WG2298678
Dibenz(a,h)anthracene	0.163	J	0.0978	0.353	10	06/08/2024 00:22	WG2298678
1,2-Dichlorobenzene	U		0.105	3.53	10	06/08/2024 00:22	WG2298678
1,3-Dichlorobenzene	U		0.107	3.53	10	06/08/2024 00:22	WG2298678
1,4-Dichlorobenzene	U		0.105	3.53	10	06/08/2024 00:22	WG2298678
3,3-Dichlorobenzidine	U		0.130	3.53	10	06/08/2024 00:22	WG2298678
2,4-Dinitrotoluene	U		0.101	3.53	10	06/08/2024 00:22	WG2298678
2,6-Dinitrotoluene	U		0.115	3.53	10	06/08/2024 00:22	WG2298678
Fluoranthene	2.88		0.0637	0.353	10	06/08/2024 00:22	WG2298678
Fluorene	0.213	J	0.0574	0.353	10	06/08/2024 00:22	WG2298678
Hexachlorobenzene	U		0.125	3.53	10	06/08/2024 00:22	WG2298678
Hexachloro-1,3-butadiene	U		0.119	3.53	10	06/08/2024 00:22	WG2298678
Hexachlorocyclopentadiene	U		0.185	3.53	10	06/08/2024 00:22	WG2298678
Hexachloroethane	U		0.139	3.53	10	06/08/2024 00:22	WG2298678
Indeno(1,2,3-cd)pyrene	0.638		0.0997	0.353	10	06/08/2024 00:22	WG2298678
Isophorone	U		0.108	3.53	10	06/08/2024 00:22	WG2298678
Naphthalene	U		0.0886	0.353	10	06/08/2024 00:22	WG2298678
Nitrobenzene	U		0.123	3.53	10	06/08/2024 00:22	WG2298678
n-Nitrosodimethylamine	U		0.523	3.53	10	06/08/2024 00:22	WG2298678
n-Nitrosodiphenylamine	U		0.267	3.53	10	06/08/2024 00:22	WG2298678
n-Nitrosodi-n-propylamine	U		0.118	3.53	10	06/08/2024 00:22	WG2298678
Phenanthrene	1.72		0.0700	0.353	10	06/08/2024 00:22	WG2298678
Benzylbutyl phthalate	U		0.110	3.53	10	06/08/2024 00:22	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.447	3.53	10	06/08/2024 00:22	WG2298678
Di-n-butyl phthalate	U		0.121	3.53	10	06/08/2024 00:22	WG2298678
Diethyl phthalate	U		0.117	3.53	10	06/08/2024 00:22	WG2298678
Dimethyl phthalate	U		0.748	3.53	10	06/08/2024 00:22	WG2298678
Di-n-octyl phthalate	U		0.238	3.53	10	06/08/2024 00:22	WG2298678
Pyrene	1.99		0.0686	0.353	10	06/08/2024 00:22	WG2298678
1,2,4-Trichlorobenzene	U		0.110	3.53	10	06/08/2024 00:22	WG2298678
4-Chloro-3-methylphenol	U		0.114	3.53	10	06/08/2024 00:22	WG2298678
2-Chlorophenol	U		0.117	3.53	10	06/08/2024 00:22	WG2298678
2,4-Dichlorophenol	U		0.103	3.53	10	06/08/2024 00:22	WG2298678
2,4-Dimethylphenol	U		0.0922	3.53	10	06/08/2024 00:22	WG2298678
4,6-Dinitro-2-methylphenol	U		0.800	3.53	10	06/08/2024 00:22	WG2298678
2,4-Dinitrophenol	U		0.825	3.53	10	06/08/2024 00:22	WG2298678
2-Nitrophenol	U		0.126	3.53	10	06/08/2024 00:22	WG2298678
4-Nitrophenol	U		0.110	3.53	10	06/08/2024 00:22	WG2298678
Pentachlorophenol	U		0.0949	3.53	10	06/08/2024 00:22	WG2298678
Phenol	U		0.142	3.53	10	06/08/2024 00:22	WG2298678
2,4,6-Trichlorophenol	U		0.113	3.53	10	06/08/2024 00:22	WG2298678
(S) 2-Fluorophenol	*79.6*			*12.0-120*		*06/08/2024 00:22*	WG2298678
(S) Phenol-d5	*73.3*			*10.0-120*		*06/08/2024 00:22*	WG2298678
(S) Nitrobenzene-d5	*69.0*			*10.0-122*		*06/08/2024 00:22*	WG2298678
(S) 2-Fluorobiphenyl	*77.6*			*15.0-120*		*06/08/2024 00:22*	WG2298678
(S) 2,4,6-Tribromophenol	*72.4*			*10.0-127*		*06/08/2024 00:22*	WG2298678
(S) p-Terphenyl-d14	*84.0*			*10.0-120*		*06/08/2024 00:22*	WG2298678

Sample Narrative:

L1740925-04 WG2298678: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.607	J3 J5 J6	0.0200	0.0445	1	06/01/2024 17:41	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.22		0.606	2.23	1	06/05/2024 11:31	WG2297398
Arsenic	13.3		0.577	2.23	1	06/05/2024 11:31	WG2297398
Barium	271		0.0949	0.557	1	06/05/2024 11:31	WG2297398
Beryllium	0.289		0.0351	0.223	1	06/05/2024 11:31	WG2297398
Cadmium	1.06		0.0524	0.557	1	06/05/2024 11:31	WG2297398
Chromium	81.8		0.148	1.11	1	06/05/2024 11:31	WG2297398
Cobalt	6.12		0.0903	1.11	1	06/05/2024 11:31	WG2297398
Copper	65.9		0.445	2.23	1	06/05/2024 11:31	WG2297398
Lead	167		0.232	0.557	1	06/05/2024 11:31	WG2297398
Molybdenum	2.52		0.121	0.557	1	06/05/2024 11:31	WG2297398
Nickel	30.5		0.147	2.23	1	06/05/2024 11:31	WG2297398
Selenium	U		0.851	2.23	1	06/05/2024 11:31	WG2297398
Silver	0.162	J	0.141	1.11	1	06/05/2024 11:31	WG2297398
Thallium	U		0.439	2.23	1	06/05/2024 11:31	WG2297398
Vanadium	32.8		0.563	2.23	1	06/05/2024 11:31	WG2297398
Zinc	221		0.926	5.57	1	06/05/2024 11:31	WG2297398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0586	0.0803	1.34	06/04/2024 03:03	WG2297487
Acrylonitrile	U		0.00580	0.0201	1.34	06/04/2024 03:03	WG2297487
Benzene	U		0.000750	0.00161	1.34	06/04/2024 03:03	WG2297487
Bromobenzene	U		0.00145	0.0201	1.34	06/04/2024 03:03	WG2297487
Bromodichloromethane	U		0.00117	0.00402	1.34	06/04/2024 03:03	WG2297487
Bromoform	U		0.00188	0.0402	1.34	06/04/2024 03:03	WG2297487
Bromomethane	U		0.00316	0.0201	1.34	06/04/2024 03:03	WG2297487
n-Butylbenzene	U		0.00844	0.0201	1.34	06/04/2024 03:03	WG2297487
sec-Butylbenzene	U		0.00463	0.0201	1.34	06/04/2024 03:03	WG2297487
tert-Butylbenzene	U		0.00313	0.00803	1.34	06/04/2024 03:03	WG2297487
Carbon tetrachloride	U		0.00144	0.00803	1.34	06/04/2024 03:03	WG2297487
Chlorobenzene	U		0.000337	0.00402	1.34	06/04/2024 03:03	WG2297487
Chlorodibromomethane	U		0.000983	0.00402	1.34	06/04/2024 03:03	WG2297487
Chloroethane	U		0.00273	0.00803	1.34	06/04/2024 03:03	WG2297487
Chloroform	U		0.00165	0.00402	1.34	06/04/2024 03:03	WG2297487
Chloromethane	U		0.00699	0.0201	1.34	06/04/2024 03:03	WG2297487
2-Chlorotoluene	U		0.00139	0.00402	1.34	06/04/2024 03:03	WG2297487
4-Chlorotoluene	U		0.000723	0.00803	1.34	06/04/2024 03:03	WG2297487
1,2-Dibromo-3-Chloropropane	U		0.00627	0.0402	1.34	06/04/2024 03:03	WG2297487
1,2-Dibromoethane	U		0.00104	0.00402	1.34	06/04/2024 03:03	WG2297487
Dibromomethane	U		0.00121	0.00803	1.34	06/04/2024 03:03	WG2297487
1,2-Dichlorobenzene	U		0.000683	0.00803	1.34	06/04/2024 03:03	WG2297487
1,3-Dichlorobenzene	U		0.000964	0.00803	1.34	06/04/2024 03:03	WG2297487
1,4-Dichlorobenzene	U		0.00112	0.00803	1.34	06/04/2024 03:03	WG2297487

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00259	0.00803	1.34	06/04/2024 03:03	WG2297487
1,1-Dichloroethane	U		0.000789	0.00402	1.34	06/04/2024 03:03	WG2297487
1,2-Dichloroethane	U		0.00104	0.00402	1.34	06/04/2024 03:03	WG2297487
1,1-Dichloroethene	U		0.000973	0.00402	1.34	06/04/2024 03:03	WG2297487
cis-1,2-Dichloroethene	U		0.00118	0.00402	1.34	06/04/2024 03:03	WG2297487
trans-1,2-Dichloroethene	U		0.00167	0.00803	1.34	06/04/2024 03:03	WG2297487
1,2-Dichloropropane	U		0.00228	0.00803	1.34	06/04/2024 03:03	WG2297487
1,1-Dichloropropene	U		0.00129	0.00402	1.34	06/04/2024 03:03	WG2297487
1,3-Dichloropropane	U		0.000804	0.00803	1.34	06/04/2024 03:03	WG2297487
cis-1,3-Dichloropropene	U		0.00121	0.00402	1.34	06/04/2024 03:03	WG2297487
trans-1,3-Dichloropropene	U		0.00183	0.00803	1.34	06/04/2024 03:03	WG2297487
2,2-Dichloropropane	U		0.00222	0.00402	1.34	06/04/2024 03:03	WG2297487
Di-isopropyl ether	U		0.000658	0.00161	1.34	06/04/2024 03:03	WG2297487
Ethylbenzene	0.00622		0.00118	0.00402	1.34	06/04/2024 03:03	WG2297487
Hexachloro-1,3-butadiene	U		0.00964	0.0402	1.34	06/04/2024 03:03	WG2297487
Isopropylbenzene	U		0.000683	0.00402	1.34	06/04/2024 03:03	WG2297487
p-Isopropyltoluene	U		0.00410	0.00803	1.34	06/04/2024 03:03	WG2297487
2-Butanone (MEK)	U		0.102	0.161	1.34	06/04/2024 03:03	WG2297487
Methylene Chloride	U		0.0107	0.0402	1.34	06/04/2024 03:03	WG2297487
4-Methyl-2-pentanone (MIBK)	U		0.00367	0.0402	1.34	06/04/2024 03:03	WG2297487
Methyl tert-butyl ether	U		0.000562	0.00161	1.34	06/04/2024 03:03	WG2297487
Naphthalene	U		0.00784	0.0201	1.34	06/04/2024 03:03	WG2297487
n-Propylbenzene	U		0.00152	0.00803	1.34	06/04/2024 03:03	WG2297487
Styrene	U		0.000368	0.0201	1.34	06/04/2024 03:03	WG2297487
1,1,1,2-Tetrachloroethane	U		0.00152	0.00402	1.34	06/04/2024 03:03	WG2297487
1,1,2,2-Tetrachloroethane	U		0.00112	0.00402	1.34	06/04/2024 03:03	WG2297487
1,1,2-Trichlorotrifluoroethane	U		0.00121	0.00402	1.34	06/04/2024 03:03	WG2297487
Tetrachloroethene	U		0.00144	0.00402	1.34	06/04/2024 03:03	WG2297487
Toluene	U		0.00209	0.00803	1.34	06/04/2024 03:03	WG2297487
1,2,3-Trichlorobenzene	U		0.0118	0.0201	1.34	06/04/2024 03:03	WG2297487
1,2,4-Trichlorobenzene	U		0.00707	0.0201	1.34	06/04/2024 03:03	WG2297487
1,1,1-Trichloroethane	U		0.00149	0.00402	1.34	06/04/2024 03:03	WG2297487
1,1,2-Trichloroethane	U		0.000959	0.00402	1.34	06/04/2024 03:03	WG2297487
Trichloroethene	U		0.000939	0.00161	1.34	06/04/2024 03:03	WG2297487
Trichlorofluoromethane	U		0.00133	0.00402	1.34	06/04/2024 03:03	WG2297487
1,2,3-Trichloropropane	U		0.00260	0.0201	1.34	06/04/2024 03:03	WG2297487
1,2,4-Trimethylbenzene	U		0.00254	0.00803	1.34	06/04/2024 03:03	WG2297487
1,2,3-Trimethylbenzene	U		0.00254	0.00803	1.34	06/04/2024 03:03	WG2297487
1,3,5-Trimethylbenzene	U		0.00321	0.00803	1.34	06/04/2024 03:03	WG2297487
Vinyl chloride	U		0.00186	0.00402	1.34	06/04/2024 03:03	WG2297487
Xylenes, Total	0.0449		0.00141	0.0104	1.34	06/04/2024 03:03	WG2297487
(S) Toluene-d8	*102*			*75.0-131*		*06/04/2024 03:03*	WG2297487
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/04/2024 03:03*	WG2297487
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*06/04/2024 03:03*	WG2297487

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0131	0.0379	1	06/14/2024 21:52	WG2304143
PCB 1221	U		0.0131	0.0379	1	06/14/2024 21:52	WG2304143
PCB 1232	U		0.0131	0.0379	1	06/14/2024 21:52	WG2304143
PCB 1242	U		0.0131	0.0379	1	06/14/2024 21:52	WG2304143
PCB 1248	U		0.00822	0.0189	1	06/14/2024 21:52	WG2304143
PCB 1254	3.69		0.0822	0.189	10	06/21/2024 01:17	WG2304143
PCB 1260	U		0.00822	0.0189	1	06/14/2024 21:52	WG2304143
(S) Decachlorobiphenyl	*105*			*10.0-135*		*06/21/2024 01:17*	WG2304143

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Decachlorobiphenyl	*120*			*10.0-135*		*06/14/2024 21:52*	WG2304143
(S) Tetrachloro-m-xylene	*106*			*10.0-139*		*06/21/2024 01:17*	WG2304143
(S) Tetrachloro-m-xylene	*114*			*10.0-139*		*06/14/2024 21:52*	WG2304143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00600	0.0371	1	06/06/2024 17:40	WG2298678
Acenaphthylene	U		0.00522	0.0371	1	06/06/2024 17:40	WG2298678
Anthracene	0.00795	J	0.00660	0.0371	1	06/06/2024 17:40	WG2298678
Benzidine	U		0.0697	1.86	1	06/06/2024 17:40	WG2298678
Benzo(a)anthracene	0.0938		0.00654	0.0371	1	06/06/2024 17:40	WG2298678
Benzo(b)fluoranthene	0.168		0.00692	0.0371	1	06/06/2024 17:40	WG2298678
Benzo(k)fluoranthene	0.0578		0.00659	0.0371	1	06/06/2024 17:40	WG2298678
Benzo(g,h,i)perylene	0.0549		0.00678	0.0371	1	06/06/2024 17:40	WG2298678
Benzo(a)pyrene	0.112		0.00689	0.0371	1	06/06/2024 17:40	WG2298678
Bis(2-chlorethoxy)methane	U		0.0111	0.371	1	06/06/2024 17:40	WG2298678
Bis(2-chloroethyl)ether	U		0.0122	0.371	1	06/06/2024 17:40	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0160	0.371	1	06/06/2024 17:40	WG2298678
4-Bromophenyl-phenylether	U		0.0130	0.371	1	06/06/2024 17:40	WG2298678
2-Chloronaphthalene	U		0.00651	0.0371	1	06/06/2024 17:40	WG2298678
4-Chlorophenyl-phenylether	U		0.0129	0.371	1	06/06/2024 17:40	WG2298678
Chrysene	0.137		0.00737	0.0371	1	06/06/2024 17:40	WG2298678
Dibenz(a,h)anthracene	0.0193	J	0.0103	0.0371	1	06/06/2024 17:40	WG2298678
1,2-Dichlorobenzene	U		0.0110	0.371	1	06/06/2024 17:40	WG2298678
1,3-Dichlorobenzene	U		0.0112	0.371	1	06/06/2024 17:40	WG2298678
1,4-Dichlorobenzene	U		0.0110	0.371	1	06/06/2024 17:40	WG2298678
3,3-Dichlorobenzidine	U		0.0137	0.371	1	06/06/2024 17:40	WG2298678
2,4-Dinitrotoluene	U		0.0106	0.371	1	06/06/2024 17:40	WG2298678
2,6-Dinitrotoluene	U		0.0121	0.371	1	06/06/2024 17:40	WG2298678
Fluoranthene	0.0935		0.00669	0.0371	1	06/06/2024 17:40	WG2298678
Fluorene	U		0.00604	0.0371	1	06/06/2024 17:40	WG2298678
Hexachlorobenzene	U		0.0131	0.371	1	06/06/2024 17:40	WG2298678
Hexachloro-1,3-butadiene	U		0.0125	0.371	1	06/06/2024 17:40	WG2298678
Hexachlorocyclopentadiene	U		0.0195	0.371	1	06/06/2024 17:40	WG2298678
Hexachloroethane	U		0.0146	0.371	1	06/06/2024 17:40	WG2298678
Indeno(1,2,3-cd)pyrene	0.0688		0.0105	0.0371	1	06/06/2024 17:40	WG2298678
Isophorone	U		0.0114	0.371	1	06/06/2024 17:40	WG2298678
Naphthalene	U		0.00931	0.0371	1	06/06/2024 17:40	WG2298678
Nitrobenzene	U		0.0129	0.371	1	06/06/2024 17:40	WG2298678
n-Nitrosodimethylamine	U		0.0550	0.371	1	06/06/2024 17:40	WG2298678
n-Nitrosodiphenylamine	U		0.0281	0.371	1	06/06/2024 17:40	WG2298678
n-Nitrosodi-n-propylamine	U		0.0124	0.371	1	06/06/2024 17:40	WG2298678
Phenanthrene	0.0337	J	0.00736	0.0371	1	06/06/2024 17:40	WG2298678
Benzylbutyl phthalate	0.0134	J	0.0116	0.371	1	06/06/2024 17:40	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0470	0.371	1	06/06/2024 17:40	WG2298678
Di-n-butyl phthalate	U		0.0127	0.371	1	06/06/2024 17:40	WG2298678
Diethyl phthalate	U		0.0122	0.371	1	06/06/2024 17:40	WG2298678
Dimethyl phthalate	U		0.0786	0.371	1	06/06/2024 17:40	WG2298678
Di-n-octyl phthalate	U		0.0251	0.371	1	06/06/2024 17:40	WG2298678
Pyrene	0.110		0.00722	0.0371	1	06/06/2024 17:40	WG2298678
1,2,4-Trichlorobenzene	U		0.0116	0.371	1	06/06/2024 17:40	WG2298678
4-Chloro-3-methylphenol	U		0.0120	0.371	1	06/06/2024 17:40	WG2298678
2-Chlorophenol	U		0.0122	0.371	1	06/06/2024 17:40	WG2298678
2,4-Dichlorophenol	U		0.0108	0.371	1	06/06/2024 17:40	WG2298678
2,4-Dimethylphenol	U		0.00969	0.371	1	06/06/2024 17:40	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4,6-Dinitro-2-methylphenol	U		0.0841	0.371	1	06/06/2024 17:40	WG2298678
2,4-Dinitrophenol	U		0.0867	0.371	1	06/06/2024 17:40	WG2298678
2-Nitrophenol	U		0.0133	0.371	1	06/06/2024 17:40	WG2298678
4-Nitrophenol	U		0.0116	0.371	1	06/06/2024 17:40	WG2298678
Pentachlorophenol	U		0.00998	0.371	1	06/06/2024 17:40	WG2298678
Phenol	0.0340	J	0.0149	0.371	1	06/06/2024 17:40	WG2298678
2,4,6-Trichlorophenol	U		0.0119	0.371	1	06/06/2024 17:40	WG2298678
(S) 2-Fluorophenol	*38.5*			*12.0-120*		*06/06/2024 17:40*	WG2298678
(S) Phenol-d5	*45.1*			*10.0-120*		*06/06/2024 17:40*	WG2298678
(S) Nitrobenzene-d5	*36.9*			*10.0-122*		*06/06/2024 17:40*	WG2298678
(S) 2-Fluorobiphenyl	*43.6*			*15.0-120*		*06/06/2024 17:40*	WG2298678
(S) 2,4,6-Tribromophenol	*24.4*			*10.0-127*		*06/06/2024 17:40*	WG2298678
(S) p-Terphenyl-d14	*49.7*			*10.0-120*		*06/06/2024 17:40*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0201	0.0446	1	06/01/2024 17:58	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.32		0.606	2.23	1	06/05/2024 11:32	WG2297398
Arsenic	38.7		0.577	2.23	1	06/05/2024 11:32	WG2297398
Barium	655		0.0950	0.557	1	06/05/2024 11:32	WG2297398
Beryllium	0.769		0.0351	0.223	1	06/05/2024 11:32	WG2297398
Cadmium	2.43		0.0525	0.557	1	06/05/2024 11:32	WG2297398
Chromium	115		0.148	1.11	1	06/05/2024 11:32	WG2297398
Cobalt	9.29		0.0904	1.11	1	06/05/2024 11:32	WG2297398
Copper	307		0.446	2.23	1	06/05/2024 11:32	WG2297398
Lead	400		0.232	0.557	1	06/05/2024 11:32	WG2297398
Molybdenum	4.96		0.121	0.557	1	06/05/2024 11:32	WG2297398
Nickel	40.7		0.147	2.23	1	06/05/2024 11:32	WG2297398
Selenium	U		0.852	2.23	1	06/05/2024 11:32	WG2297398
Silver	0.327	J	0.142	1.11	1	06/05/2024 11:32	WG2297398
Thallium	U		0.439	2.23	1	06/05/2024 11:32	WG2297398
Vanadium	57.4		0.564	2.23	1	06/05/2024 11:32	WG2297398
Zinc	601		0.927	5.57	1	06/05/2024 11:32	WG2297398

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	13.1	B	1.03	3.10	25	06/02/2024 17:46	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*89.3*			*77.0-120*		*06/02/2024 17:46*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0453	0.0620	1	06/03/2024 17:04	WG2297589
Acrylonitrile	U		0.00448	0.0155	1	06/03/2024 17:04	WG2297589
Benzene	0.00832		0.000579	0.00124	1	06/03/2024 17:04	WG2297589
Bromobenzene	U		0.00112	0.0155	1	06/03/2024 17:04	WG2297589
Bromodichloromethane	U		0.000899	0.00310	1	06/03/2024 17:04	WG2297589
Bromoform	U		0.00145	0.0310	1	06/03/2024 17:04	WG2297589
Bromomethane	U		0.00244	0.0155	1	06/03/2024 17:04	WG2297589
n-Butylbenzene	U		0.00651	0.0155	1	06/03/2024 17:04	WG2297589
sec-Butylbenzene	0.00396	J	0.00357	0.0155	1	06/03/2024 17:04	WG2297589
tert-Butylbenzene	U		0.00242	0.00620	1	06/03/2024 17:04	WG2297589
Carbon tetrachloride	U		0.00111	0.00620	1	06/03/2024 17:04	WG2297589
Chlorobenzene	0.000283	B J	0.000260	0.00310	1	06/03/2024 17:04	WG2297589
Chlorodibromomethane	U		0.000759	0.00310	1	06/03/2024 17:04	WG2297589
Chloroethane	U		0.00211	0.00620	1	06/03/2024 17:04	WG2297589
Chloroform	U		0.00128	0.00310	1	06/03/2024 17:04	WG2297589
Chloromethane	U		0.00540	0.0155	1	06/03/2024 17:04	WG2297589
2-Chlorotoluene	U		0.00107	0.00310	1	06/03/2024 17:04	WG2297589
4-Chlorotoluene	U		0.000558	0.00620	1	06/03/2024 17:04	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00484	0.0310	1	06/03/2024 17:04	WG2297589
1,2-Dibromoethane	U		0.000804	0.00310	1	06/03/2024 17:04	WG2297589
Dibromomethane	U		0.000930	0.00620	1	06/03/2024 17:04	WG2297589
1,2-Dichlorobenzene	U		0.000527	0.00620	1	06/03/2024 17:04	WG2297589
1,3-Dichlorobenzene	U		0.000744	0.00620	1	06/03/2024 17:04	WG2297589
1,4-Dichlorobenzene	0.00239	J	0.000868	0.00620	1	06/03/2024 17:04	WG2297589
Dichlorodifluoromethane	U		0.00200	0.00620	1	06/03/2024 17:04	WG2297589
1,1-Dichloroethane	0.00138	J	0.000609	0.00310	1	06/03/2024 17:04	WG2297589
1,2-Dichloroethane	U		0.000805	0.00310	1	06/03/2024 17:04	WG2297589
1,1-Dichloroethene	U		0.000752	0.00310	1	06/03/2024 17:04	WG2297589
cis-1,2-Dichloroethene	U		0.000910	0.00310	1	06/03/2024 17:04	WG2297589
trans-1,2-Dichloroethene	U		0.00129	0.00620	1	06/03/2024 17:04	WG2297589
1,2-Dichloropropane	U		0.00176	0.00620	1	06/03/2024 17:04	WG2297589
1,1-Dichloropropene	U		0.00100	0.00310	1	06/03/2024 17:04	WG2297589
1,3-Dichloropropane	U		0.000621	0.00620	1	06/03/2024 17:04	WG2297589
cis-1,3-Dichloropropene	U		0.000939	0.00310	1	06/03/2024 17:04	WG2297589
trans-1,3-Dichloropropene	U		0.00141	0.00620	1	06/03/2024 17:04	WG2297589
2,2-Dichloropropane	U		0.00171	0.00310	1	06/03/2024 17:04	WG2297589
Di-isopropyl ether	U		0.000509	0.00124	1	06/03/2024 17:04	WG2297589
Ethylbenzene	0.0109		0.000914	0.00310	1	06/03/2024 17:04	WG2297589
Hexachloro-1,3-butadiene	U		0.00744	0.0310	1	06/03/2024 17:04	WG2297589
Isopropylbenzene	0.00660		0.000527	0.00310	1	06/03/2024 17:04	WG2297589
p-Isopropyltoluene	0.0108		0.00316	0.00620	1	06/03/2024 17:04	WG2297589
2-Butanone (MEK)	U		0.0788	0.124	1	06/03/2024 17:04	WG2297589
Methylene Chloride	0.0153	J	0.00824	0.0310	1	06/03/2024 17:04	WG2297589
4-Methyl-2-pentanone (MIBK)	0.00454	J	0.00283	0.0310	1	06/03/2024 17:04	WG2297589
Methyl tert-butyl ether	U		0.000434	0.00124	1	06/03/2024 17:04	WG2297589
Naphthalene	0.0543		0.00605	0.0155	1	06/03/2024 17:04	WG2297589
n-Propylbenzene	0.00494	J	0.00118	0.00620	1	06/03/2024 17:04	WG2297589
Styrene	U		0.000284	0.0155	1	06/03/2024 17:04	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00118	0.00310	1	06/03/2024 17:04	WG2297589
1,1,2,2-Tetrachloroethane	U		0.000862	0.00310	1	06/03/2024 17:04	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.000935	0.00310	1	06/03/2024 17:04	WG2297589
Tetrachloroethene	0.00474		0.00111	0.00310	1	06/03/2024 17:04	WG2297589
Toluene	0.0296		0.00161	0.00620	1	06/03/2024 17:04	WG2297589
1,2,3-Trichlorobenzene	U		0.00909	0.0155	1	06/03/2024 17:04	WG2297589
1,2,4-Trichlorobenzene	U		0.00546	0.0155	1	06/03/2024 17:04	WG2297589
1,1,1-Trichloroethane	0.00812		0.00114	0.00310	1	06/03/2024 17:04	WG2297589
1,1,2-Trichloroethane	U		0.000740	0.00310	1	06/03/2024 17:04	WG2297589
Trichloroethene	0.000734	J	0.000724	0.00124	1	06/03/2024 17:04	WG2297589
Trichlorofluoromethane	U		0.00103	0.00310	1	06/03/2024 17:04	WG2297589
1,2,3-Trichloropropane	U		0.00201	0.0155	1	06/03/2024 17:04	WG2297589
1,2,4-Trimethylbenzene	0.0354		0.00196	0.00620	1	06/03/2024 17:04	WG2297589
1,2,3-Trimethylbenzene	0.0872		0.00196	0.00620	1	06/03/2024 17:04	WG2297589
1,3,5-Trimethylbenzene	0.0187		0.00248	0.00620	1	06/03/2024 17:04	WG2297589
Vinyl chloride	U		0.00144	0.00310	1	06/03/2024 17:04	WG2297589
Xylenes, Total	0.0686		0.00109	0.00806	1	06/03/2024 17:04	WG2297589
(S) Toluene-d8	*101*			*75.0-131*		*06/03/2024 17:04*	WG2297589
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/03/2024 17:04*	WG2297589
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*06/03/2024 17:04*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	34.6	J	8.17	44.6	10	06/05/2024 02:15	WG2298254
C22-C32 Hydrocarbons	181		14.8	44.6	10	06/05/2024 02:15	WG2298254
C32-C40 Hydrocarbons	127		14.8	44.6	10	06/05/2024 02:15	WG2298254
(S) o-Terphenyl	*52.7*			*18.0-148*		*06/05/2024 02:15*	WG2298254

Sample Narrative:

L1740925-06 WG2298254: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0207	J	0.00601	0.0371	1	06/06/2024 18:05	WG2298678
Acenaphthylene	0.0161	J	0.00523	0.0371	1	06/06/2024 18:05	WG2298678
Anthracene	0.0599		0.00661	0.0371	1	06/06/2024 18:05	WG2298678
Benzidine	U		0.0698	1.86	1	06/06/2024 18:05	WG2298678
Benzo(a)anthracene	0.378		0.00654	0.0371	1	06/06/2024 18:05	WG2298678
Benzo(b)fluoranthene	0.737		0.00692	0.0371	1	06/06/2024 18:05	WG2298678
Benzo(k)fluoranthene	0.215		0.00660	0.0371	1	06/06/2024 18:05	WG2298678
Benzo(g,h,i)perylene	0.200		0.00679	0.0371	1	06/06/2024 18:05	WG2298678
Benzo(a)pyrene	0.448		0.00690	0.0371	1	06/06/2024 18:05	WG2298678
Bis(2-chlorethoxy)methane	U		0.0111	0.371	1	06/06/2024 18:05	WG2298678
Bis(2-chloroethyl)ether	U		0.0123	0.371	1	06/06/2024 18:05	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0161	0.371	1	06/06/2024 18:05	WG2298678
4-Bromophenyl-phenylether	U		0.0130	0.371	1	06/06/2024 18:05	WG2298678
2-Chloronaphthalene	U		0.00652	0.0371	1	06/06/2024 18:05	WG2298678
4-Chlorophenyl-phenylether	U		0.0129	0.371	1	06/06/2024 18:05	WG2298678
Chrysene	0.495		0.00738	0.0371	1	06/06/2024 18:05	WG2298678
Dibenz(a,h)anthracene	0.0753		0.0103	0.0371	1	06/06/2024 18:05	WG2298678
1,2-Dichlorobenzene	U		0.0110	0.371	1	06/06/2024 18:05	WG2298678
1,3-Dichlorobenzene	U		0.0113	0.371	1	06/06/2024 18:05	WG2298678
1,4-Dichlorobenzene	U		0.0110	0.371	1	06/06/2024 18:05	WG2298678
3,3-Dichlorobenzidine	U		0.0137	0.371	1	06/06/2024 18:05	WG2298678
2,4-Dinitrotoluene	U		0.0106	0.371	1	06/06/2024 18:05	WG2298678
2,6-Dinitrotoluene	U		0.0121	0.371	1	06/06/2024 18:05	WG2298678
Fluoranthene	0.492		0.00670	0.0371	1	06/06/2024 18:05	WG2298678
Fluorene	0.0196	J	0.00604	0.0371	1	06/06/2024 18:05	WG2298678
Hexachlorobenzene	U		0.0132	0.371	1	06/06/2024 18:05	WG2298678
Hexachloro-1,3-butadiene	U		0.0125	0.371	1	06/06/2024 18:05	WG2298678
Hexachlorocyclopentadiene	U		0.0195	0.371	1	06/06/2024 18:05	WG2298678
Hexachloroethane	U		0.0146	0.371	1	06/06/2024 18:05	WG2298678
Indeno(1,2,3-cd)pyrene	0.255		0.0105	0.0371	1	06/06/2024 18:05	WG2298678
Isophorone	U		0.0114	0.371	1	06/06/2024 18:05	WG2298678
Naphthalene	0.0607		0.00932	0.0371	1	06/06/2024 18:05	WG2298678
Nitrobenzene	U		0.0129	0.371	1	06/06/2024 18:05	WG2298678
n-Nitrosodimethylamine	U		0.0551	0.371	1	06/06/2024 18:05	WG2298678
n-Nitrosodiphenylamine	U		0.0281	0.371	1	06/06/2024 18:05	WG2298678
n-Nitrosodi-n-propylamine	U		0.0124	0.371	1	06/06/2024 18:05	WG2298678
Phenanthrene	0.227		0.00737	0.0371	1	06/06/2024 18:05	WG2298678
Benzylbutyl phthalate	0.0156	J	0.0116	0.371	1	06/06/2024 18:05	WG2298678
Bis(2-ethylhexyl)phthalate	0.111	J	0.0470	0.371	1	06/06/2024 18:05	WG2298678
Di-n-butyl phthalate	0.0282	J	0.0127	0.371	1	06/06/2024 18:05	WG2298678
Diethyl phthalate	U		0.0123	0.371	1	06/06/2024 18:05	WG2298678
Dimethyl phthalate	U		0.0787	0.371	1	06/06/2024 18:05	WG2298678
Di-n-octyl phthalate	U		0.0251	0.371	1	06/06/2024 18:05	WG2298678
Pyrene	0.471		0.00722	0.0371	1	06/06/2024 18:05	WG2298678
1,2,4-Trichlorobenzene	U		0.0116	0.371	1	06/06/2024 18:05	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0120	0.371	1	06/06/2024 18:05	WG2298678
2-Chlorophenol	U		0.0123	0.371	1	06/06/2024 18:05	WG2298678
2,4-Dichlorophenol	U		0.0108	0.371	1	06/06/2024 18:05	WG2298678
2,4-Dimethylphenol	U		0.00970	0.371	1	06/06/2024 18:05	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0842	0.371	1	06/06/2024 18:05	WG2298678
2,4-Dinitrophenol	U		0.0868	0.371	1	06/06/2024 18:05	WG2298678
2-Nitrophenol	U		0.0133	0.371	1	06/06/2024 18:05	WG2298678
4-Nitrophenol	U		0.0116	0.371	1	06/06/2024 18:05	WG2298678
Pentachlorophenol	U		0.00999	0.371	1	06/06/2024 18:05	WG2298678
Phenol	0.448		0.0149	0.371	1	06/06/2024 18:05	WG2298678
2,4,6-Trichlorophenol	U		0.0119	0.371	1	06/06/2024 18:05	WG2298678
(S) 2-Fluorophenol	*59.0*			*12.0-120*		*06/06/2024 18:05*	WG2298678
(S) Phenol-d5	*55.4*			*10.0-120*		*06/06/2024 18:05*	WG2298678
(S) Nitrobenzene-d5	*46.9*			*10.0-122*		*06/06/2024 18:05*	WG2298678
(S) 2-Fluorobiphenyl	*55.3*			*15.0-120*		*06/06/2024 18:05*	WG2298678
(S) 2,4,6-Tribromophenol	*55.7*			*10.0-127*		*06/06/2024 18:05*	WG2298678
(S) p-Terphenyl-d14	*58.1*			*10.0-120*		*06/06/2024 18:05*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	06/07/2024 12:45	WG2300491

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0637		0.0227	0.0504	1	06/09/2024 17:31	WG2300577

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.11		0.686	2.52	1	06/13/2024 18:22	WG2300670
Arsenic	5.04	B	0.653	2.52	1	06/13/2024 18:22	WG2300670
Barium	138		0.107	0.630	1	06/13/2024 18:22	WG2300670
Beryllium	0.203	J	0.0397	0.252	1	06/13/2024 18:22	WG2300670
Cadmium	0.800		0.0594	0.630	1	06/13/2024 18:22	WG2300670
Chromium	46.7		0.168	1.26	1	06/13/2024 18:22	WG2300670
Cobalt	7.89		0.102	1.26	1	06/13/2024 18:22	WG2300670
Copper	212		0.504	2.52	1	06/13/2024 18:22	WG2300670
Lead	151		0.262	0.630	1	06/13/2024 18:22	WG2300670
Molybdenum	0.518	J	0.137	0.630	1	06/13/2024 18:22	WG2300670
Nickel	82.7		0.166	2.52	1	06/13/2024 18:22	WG2300670
Selenium	U		0.963	2.52	1	06/13/2024 18:22	WG2300670
Silver	U		0.160	1.26	1	06/13/2024 18:22	WG2300670
Thallium	U		0.497	2.52	1	06/13/2024 18:22	WG2300670
Vanadium	35.7		0.638	2.52	1	06/13/2024 18:22	WG2300670
Zinc	156		1.05	6.30	1	06/13/2024 18:22	WG2300670

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	05/31/2024 07:14	WG2296009

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.84	B	1.23	3.71	25	06/02/2024 18:10	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.2*			*77.0-120*		*06/02/2024 18:10*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0542	0.0742	1	06/03/2024 17:23	WG2297589
Acrylonitrile	U		0.00536	0.0185	1	06/03/2024 17:23	WG2297589
Benzene	U		0.000693	0.00148	1	06/03/2024 17:23	WG2297589
Bromobenzene	U		0.00134	0.0185	1	06/03/2024 17:23	WG2297589
Bromodichloromethane	U		0.00108	0.00371	1	06/03/2024 17:23	WG2297589
Bromoform	U		0.00174	0.0371	1	06/03/2024 17:23	WG2297589
Bromomethane	U		0.00292	0.0185	1	06/03/2024 17:23	WG2297589
n-Butylbenzene	U		0.00779	0.0185	1	06/03/2024 17:23	WG2297589
sec-Butylbenzene	U		0.00427	0.0185	1	06/03/2024 17:23	WG2297589
tert-Butylbenzene	U		0.00289	0.00742	1	06/03/2024 17:23	WG2297589
Carbon tetrachloride	U		0.00133	0.00742	1	06/03/2024 17:23	WG2297589
Chlorobenzene	U		0.000312	0.00371	1	06/03/2024 17:23	WG2297589
Chlorodibromomethane	U		0.000908	0.00371	1	06/03/2024 17:23	WG2297589
Chloroethane	U		0.00252	0.00742	1	06/03/2024 17:23	WG2297589
Chloroform	U		0.00153	0.00371	1	06/03/2024 17:23	WG2297589
Chloromethane	U		0.00645	0.0185	1	06/03/2024 17:23	WG2297589
2-Chlorotoluene	U		0.00128	0.00371	1	06/03/2024 17:23	WG2297589
4-Chlorotoluene	U		0.000668	0.00742	1	06/03/2024 17:23	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00579	0.0371	1	06/03/2024 17:23	WG2297589
1,2-Dibromoethane	U		0.000962	0.00371	1	06/03/2024 17:23	WG2297589
Dibromomethane	U		0.00111	0.00742	1	06/03/2024 17:23	WG2297589
1,2-Dichlorobenzene	U		0.000631	0.00742	1	06/03/2024 17:23	WG2297589
1,3-Dichlorobenzene	U		0.000890	0.00742	1	06/03/2024 17:23	WG2297589
1,4-Dichlorobenzene	U		0.00104	0.00742	1	06/03/2024 17:23	WG2297589
Dichlorodifluoromethane	U		0.00239	0.00742	1	06/03/2024 17:23	WG2297589
1,1-Dichloroethane	U		0.000729	0.00371	1	06/03/2024 17:23	WG2297589
1,2-Dichloroethane	U		0.000963	0.00371	1	06/03/2024 17:23	WG2297589
1,1-Dichloroethene	U		0.000899	0.00371	1	06/03/2024 17:23	WG2297589
cis-1,2-Dichloroethene	U		0.00109	0.00371	1	06/03/2024 17:23	WG2297589
trans-1,2-Dichloroethene	U		0.00154	0.00742	1	06/03/2024 17:23	WG2297589
1,2-Dichloropropane	U		0.00211	0.00742	1	06/03/2024 17:23	WG2297589
1,1-Dichloropropene	U		0.00120	0.00371	1	06/03/2024 17:23	WG2297589
1,3-Dichloropropane	U		0.000743	0.00742	1	06/03/2024 17:23	WG2297589
cis-1,3-Dichloropropene	U		0.00112	0.00371	1	06/03/2024 17:23	WG2297589
trans-1,3-Dichloropropene	U		0.00169	0.00742	1	06/03/2024 17:23	WG2297589
2,2-Dichloropropane	U		0.00205	0.00371	1	06/03/2024 17:23	WG2297589
Di-isopropyl ether	U		0.000608	0.00148	1	06/03/2024 17:23	WG2297589
Ethylbenzene	U		0.00109	0.00371	1	06/03/2024 17:23	WG2297589
Hexachloro-1,3-butadiene	U		0.00890	0.0371	1	06/03/2024 17:23	WG2297589
Isopropylbenzene	U		0.000631	0.00371	1	06/03/2024 17:23	WG2297589
p-Isopropyltoluene	U		0.00378	0.00742	1	06/03/2024 17:23	WG2297589
2-Butanone (MEK)	U		0.0942	0.148	1	06/03/2024 17:23	WG2297589
Methylene Chloride	0.0168	J	0.00985	0.0371	1	06/03/2024 17:23	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00338	0.0371	1	06/03/2024 17:23	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000519	0.00148	1	06/03/2024 17:23	WG2297589
Naphthalene	U		0.00724	0.0185	1	06/03/2024 17:23	WG2297589
n-Propylbenzene	U		0.00141	0.00742	1	06/03/2024 17:23	WG2297589
Styrene	U		0.000340	0.0185	1	06/03/2024 17:23	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00141	0.00371	1	06/03/2024 17:23	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00103	0.00371	1	06/03/2024 17:23	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00112	0.00371	1	06/03/2024 17:23	WG2297589
Tetrachloroethene	U		0.00133	0.00371	1	06/03/2024 17:23	WG2297589
Toluene	U		0.00193	0.00742	1	06/03/2024 17:23	WG2297589
1,2,3-Trichlorobenzene	U		0.0109	0.0185	1	06/03/2024 17:23	WG2297589
1,2,4-Trichlorobenzene	U		0.00653	0.0185	1	06/03/2024 17:23	WG2297589
1,1,1-Trichloroethane	U		0.00137	0.00371	1	06/03/2024 17:23	WG2297589
1,1,2-Trichloroethane	U		0.000886	0.00371	1	06/03/2024 17:23	WG2297589
Trichloroethene	U		0.000867	0.00148	1	06/03/2024 17:23	WG2297589
Trichlorofluoromethane	U		0.00123	0.00371	1	06/03/2024 17:23	WG2297589
1,2,3-Trichloropropane	U		0.00240	0.0185	1	06/03/2024 17:23	WG2297589
1,2,4-Trimethylbenzene	U		0.00234	0.00742	1	06/03/2024 17:23	WG2297589
1,2,3-Trimethylbenzene	U		0.00234	0.00742	1	06/03/2024 17:23	WG2297589
1,3,5-Trimethylbenzene	U		0.00297	0.00742	1	06/03/2024 17:23	WG2297589
Vinyl chloride	U		0.00172	0.00371	1	06/03/2024 17:23	WG2297589
Xylenes, Total	0.00181	J	0.00131	0.00964	1	06/03/2024 17:23	WG2297589
(S) Toluene-d8	*100*			*75.0-131*		*06/03/2024 17:23*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 17:23*	WG2297589
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*06/03/2024 17:23*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		45.0	245	50	06/05/2024 03:08	WG2298254
C22-C32 Hydrocarbons	351		81.6	245	50	06/05/2024 03:08	WG2298254
C32-C40 Hydrocarbons	557		81.6	245	50	06/05/2024 03:08	WG2298254
(S) o-Terphenyl	*47.9*	J7		*18.0-148*		*06/05/2024 03:08*	WG2298254

Sample Narrative:

L1740925-08 WG2298254: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0679		0.0207	0.0460	1	06/01/2024 18:01	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.69		0.626	2.30	1	06/05/2024 11:34	WG2297398
Arsenic	6.35		0.596	2.30	1	06/05/2024 11:34	WG2297398
Barium	160		0.0980	0.575	1	06/05/2024 11:34	WG2297398
Beryllium	0.137	J	0.0362	0.230	1	06/05/2024 11:34	WG2297398
Cadmium	0.183	J	0.0542	0.575	1	06/05/2024 11:34	WG2297398
Chromium	41.2		0.153	1.15	1	06/05/2024 11:34	WG2297398
Cobalt	7.52		0.0933	1.15	1	06/05/2024 11:34	WG2297398
Copper	30.3		0.460	2.30	1	06/05/2024 11:34	WG2297398
Lead	49.2		0.239	0.575	1	06/05/2024 11:34	WG2297398
Molybdenum	4.17		0.125	0.575	1	06/05/2024 11:34	WG2297398
Nickel	35.8		0.152	2.30	1	06/05/2024 11:34	WG2297398
Selenium	U		0.879	2.30	1	06/05/2024 11:34	WG2297398
Silver	U		0.146	1.15	1	06/05/2024 11:34	WG2297398
Thallium	U		0.453	2.30	1	06/05/2024 11:34	WG2297398
Vanadium	41.1		0.582	2.30	1	06/05/2024 11:34	WG2297398
Zinc	85.2		0.957	5.75	1	06/05/2024 11:34	WG2297398

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0136	0.0391	1	06/03/2024 20:52	WG2297376
PCB 1221	U		0.0136	0.0391	1	06/03/2024 20:52	WG2297376
PCB 1232	U		0.0136	0.0391	1	06/03/2024 20:52	WG2297376
PCB 1242	U		0.0136	0.0391	1	06/03/2024 20:52	WG2297376
PCB 1248	U		0.00849	0.0196	1	06/03/2024 20:52	WG2297376
PCB 1254	U		0.00849	0.0196	1	06/03/2024 20:52	WG2297376
PCB 1260	U		0.00849	0.0196	1	06/03/2024 20:52	WG2297376
(S) Decachlorobiphenyl	*86.1*			*10.0-135*		*06/03/2024 20:52*	WG2297376
(S) Tetrachloro-m-xylene	*74.1*			*10.0-139*		*06/03/2024 20:52*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00620	0.0383	1	06/06/2024 16:01	WG2298678
Acenaphthylene	U		0.00539	0.0383	1	06/06/2024 16:01	WG2298678
Anthracene	U		0.00682	0.0383	1	06/06/2024 16:01	WG2298678
Benzidine	U		0.0720	1.92	1	06/06/2024 16:01	WG2298678
Benzo(a)anthracene	0.0168	J	0.00675	0.0383	1	06/06/2024 16:01	WG2298678
Benzo(b)fluoranthene	0.0263	J	0.00714	0.0383	1	06/06/2024 16:01	WG2298678
Benzo(k)fluoranthene	0.00798	J	0.00681	0.0383	1	06/06/2024 16:01	WG2298678
Benzo(g,h,i)perylene	0.0168	J	0.00700	0.0383	1	06/06/2024 16:01	WG2298678
Benzo(a)pyrene	0.0177	J	0.00712	0.0383	1	06/06/2024 16:01	WG2298678
Bis(2-chlorethoxy)methane	U		0.0115	0.383	1	06/06/2024 16:01	WG2298678
Bis(2-chloroethyl)ether	U		0.0127	0.383	1	06/06/2024 16:01	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0166	0.383	1	06/06/2024 16:01	WG2298678
4-Bromophenyl-phenylether	U		0.0135	0.383	1	06/06/2024 16:01	WG2298678
2-Chloronaphthalene	U		0.00673	0.0383	1	06/06/2024 16:01	WG2298678
4-Chlorophenyl-phenylether	U		0.0133	0.383	1	06/06/2024 16:01	WG2298678
Chrysene	0.0221	J	0.00761	0.0383	1	06/06/2024 16:01	WG2298678
Dibenz(a,h)anthracene	U		0.0106	0.0383	1	06/06/2024 16:01	WG2298678
1,2-Dichlorobenzene	U		0.0114	0.383	1	06/06/2024 16:01	WG2298678
1,3-Dichlorobenzene	U		0.0116	0.383	1	06/06/2024 16:01	WG2298678
1,4-Dichlorobenzene	U		0.0114	0.383	1	06/06/2024 16:01	WG2298678
3,3-Dichlorobenzidine	U		0.0141	0.383	1	06/06/2024 16:01	WG2298678
2,4-Dinitrotoluene	U		0.0110	0.383	1	06/06/2024 16:01	WG2298678
2,6-Dinitrotoluene	U		0.0125	0.383	1	06/06/2024 16:01	WG2298678
Fluoranthene	0.0166	J	0.00691	0.0383	1	06/06/2024 16:01	WG2298678
Fluorene	U		0.00623	0.0383	1	06/06/2024 16:01	WG2298678
Hexachlorobenzene	U		0.0136	0.383	1	06/06/2024 16:01	WG2298678
Hexachloro-1,3-butadiene	U		0.0129	0.383	1	06/06/2024 16:01	WG2298678
Hexachlorocyclopentadiene	U		0.0201	0.383	1	06/06/2024 16:01	WG2298678
Hexachloroethane	U		0.0151	0.383	1	06/06/2024 16:01	WG2298678
Indeno(1,2,3-cd)pyrene	0.0160	J	0.0108	0.0383	1	06/06/2024 16:01	WG2298678
Isophorone	U		0.0117	0.383	1	06/06/2024 16:01	WG2298678
Naphthalene	U		0.00962	0.0383	1	06/06/2024 16:01	WG2298678
Nitrobenzene	U		0.0133	0.383	1	06/06/2024 16:01	WG2298678
n-Nitrosodimethylamine	U		0.0568	0.383	1	06/06/2024 16:01	WG2298678
n-Nitrosodiphenylamine	U		0.0290	0.383	1	06/06/2024 16:01	WG2298678
n-Nitrosodi-n-propylamine	U		0.0128	0.383	1	06/06/2024 16:01	WG2298678
Phenanthrene	0.0110	J	0.00760	0.0383	1	06/06/2024 16:01	WG2298678
Benzylbutyl phthalate	U		0.0120	0.383	1	06/06/2024 16:01	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0485	0.383	1	06/06/2024 16:01	WG2298678
Di-n-butyl phthalate	U		0.0131	0.383	1	06/06/2024 16:01	WG2298678
Diethyl phthalate	U		0.0127	0.383	1	06/06/2024 16:01	WG2298678
Dimethyl phthalate	U		0.0812	0.383	1	06/06/2024 16:01	WG2298678
Di-n-octyl phthalate	U		0.0259	0.383	1	06/06/2024 16:01	WG2298678
Pyrene	0.0213	J	0.00745	0.0383	1	06/06/2024 16:01	WG2298678
1,2,4-Trichlorobenzene	U		0.0120	0.383	1	06/06/2024 16:01	WG2298678
4-Chloro-3-methylphenol	U		0.0124	0.383	1	06/06/2024 16:01	WG2298678
2-Chlorophenol	U		0.0127	0.383	1	06/06/2024 16:01	WG2298678
2,4-Dichlorophenol	U		0.0112	0.383	1	06/06/2024 16:01	WG2298678
2,4-Dimethylphenol	U		0.0100	0.383	1	06/06/2024 16:01	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0868	0.383	1	06/06/2024 16:01	WG2298678
2,4-Dinitrophenol	U		0.0896	0.383	1	06/06/2024 16:01	WG2298678
2-Nitrophenol	U		0.0137	0.383	1	06/06/2024 16:01	WG2298678
4-Nitrophenol	U		0.0120	0.383	1	06/06/2024 16:01	WG2298678
Pentachlorophenol	U		0.0103	0.383	1	06/06/2024 16:01	WG2298678
Phenol	U		0.0154	0.383	1	06/06/2024 16:01	WG2298678
2,4,6-Trichlorophenol	U		0.0123	0.383	1	06/06/2024 16:01	WG2298678
(S) 2-Fluorophenol	*40.9*			*12.0-120*		*06/06/2024 16:01*	WG2298678
(S) Phenol-d5	*42.1*			*10.0-120*		*06/06/2024 16:01*	WG2298678
(S) Nitrobenzene-d5	*32.1*			*10.0-122*		*06/06/2024 16:01*	WG2298678
(S) 2-Fluorobiphenyl	*41.4*			*15.0-120*		*06/06/2024 16:01*	WG2298678
(S) 2,4,6-Tribromophenol	*50.0*			*10.0-127*		*06/06/2024 16:01*	WG2298678
(S) p-Terphenyl-d14	*51.2*			*10.0-120*		*06/06/2024 16:01*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.103		0.0206	0.0459	1	06/01/2024 18:03	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.56		0.624	2.29	1	06/05/2024 11:36	WG2297398
Arsenic	4.27		0.594	2.29	1	06/05/2024 11:36	WG2297398
Barium	183		0.0977	0.573	1	06/05/2024 11:36	WG2297398
Beryllium	0.408		0.0361	0.229	1	06/05/2024 11:36	WG2297398
Cadmium	0.151	J	0.0540	0.573	1	06/05/2024 11:36	WG2297398
Chromium	45.5		0.152	1.15	1	06/05/2024 11:36	WG2297398
Cobalt	10.3		0.0930	1.15	1	06/05/2024 11:36	WG2297398
Copper	26.1		0.459	2.29	1	06/05/2024 11:36	WG2297398
Lead	50.2		0.238	0.573	1	06/05/2024 11:36	WG2297398
Molybdenum	0.377	J	0.125	0.573	1	06/05/2024 11:36	WG2297398
Nickel	46.5		0.151	2.29	1	06/05/2024 11:36	WG2297398
Selenium	U		0.876	2.29	1	06/05/2024 11:36	WG2297398
Silver	U		0.146	1.15	1	06/05/2024 11:36	WG2297398
Thallium	U		0.452	2.29	1	06/05/2024 11:36	WG2297398
Vanadium	43.5		0.580	2.29	1	06/05/2024 11:36	WG2297398
Zinc	82.2		0.954	5.73	1	06/05/2024 11:36	WG2297398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0480	0.0658	1	06/03/2024 17:42	WG2297589
Acrylonitrile	U		0.00475	0.0164	1	06/03/2024 17:42	WG2297589
Benzene	U		0.000614	0.00132	1	06/03/2024 17:42	WG2297589
Bromobenzene	U		0.00118	0.0164	1	06/03/2024 17:42	WG2297589
Bromodichloromethane	U		0.000954	0.00329	1	06/03/2024 17:42	WG2297589
Bromoform	U		0.00154	0.0329	1	06/03/2024 17:42	WG2297589
Bromomethane	U		0.00259	0.0164	1	06/03/2024 17:42	WG2297589
n-Butylbenzene	U		0.00691	0.0164	1	06/03/2024 17:42	WG2297589
sec-Butylbenzene	U		0.00379	0.0164	1	06/03/2024 17:42	WG2297589
tert-Butylbenzene	U		0.00257	0.00658	1	06/03/2024 17:42	WG2297589
Carbon tetrachloride	U		0.00118	0.00658	1	06/03/2024 17:42	WG2297589
Chlorobenzene	U		0.000276	0.00329	1	06/03/2024 17:42	WG2297589
Chlorodibromomethane	U		0.000805	0.00329	1	06/03/2024 17:42	WG2297589
Chloroethane	U		0.00224	0.00658	1	06/03/2024 17:42	WG2297589
Chloroform	U		0.00136	0.00329	1	06/03/2024 17:42	WG2297589
Chloromethane	U		0.00572	0.0164	1	06/03/2024 17:42	WG2297589
2-Chlorotoluene	U		0.00114	0.00329	1	06/03/2024 17:42	WG2297589
4-Chlorotoluene	U		0.000592	0.00658	1	06/03/2024 17:42	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00513	0.0329	1	06/03/2024 17:42	WG2297589
1,2-Dibromoethane	U		0.000853	0.00329	1	06/03/2024 17:42	WG2297589
Dibromomethane	U		0.000987	0.00658	1	06/03/2024 17:42	WG2297589
1,2-Dichlorobenzene	U		0.000559	0.00658	1	06/03/2024 17:42	WG2297589
1,3-Dichlorobenzene	U		0.000789	0.00658	1	06/03/2024 17:42	WG2297589
1,4-Dichlorobenzene	U		0.000921	0.00658	1	06/03/2024 17:42	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00212	0.00658	1	06/03/2024 17:42	WG2297589
1,1-Dichloroethane	U		0.000646	0.00329	1	06/03/2024 17:42	WG2297589
1,2-Dichloroethane	U		0.000854	0.00329	1	06/03/2024 17:42	WG2297589
1,1-Dichloroethene	U		0.000797	0.00329	1	06/03/2024 17:42	WG2297589
cis-1,2-Dichloroethene	U		0.000966	0.00329	1	06/03/2024 17:42	WG2297589
trans-1,2-Dichloroethene	U		0.00137	0.00658	1	06/03/2024 17:42	WG2297589
1,2-Dichloropropane	U		0.00187	0.00658	1	06/03/2024 17:42	WG2297589
1,1-Dichloropropene	U		0.00106	0.00329	1	06/03/2024 17:42	WG2297589
1,3-Dichloropropane	U		0.000659	0.00658	1	06/03/2024 17:42	WG2297589
cis-1,3-Dichloropropene	U		0.000996	0.00329	1	06/03/2024 17:42	WG2297589
trans-1,3-Dichloropropene	U		0.00150	0.00658	1	06/03/2024 17:42	WG2297589
2,2-Dichloropropane	U		0.00182	0.00329	1	06/03/2024 17:42	WG2297589
Di-isopropyl ether	U		0.000539	0.00132	1	06/03/2024 17:42	WG2297589
Ethylbenzene	U		0.000970	0.00329	1	06/03/2024 17:42	WG2297589
Hexachloro-1,3-butadiene	U		0.00789	0.0329	1	06/03/2024 17:42	WG2297589
Isopropylbenzene	U		0.000559	0.00329	1	06/03/2024 17:42	WG2297589
p-Isopropyltoluene	U		0.00336	0.00658	1	06/03/2024 17:42	WG2297589
2-Butanone (MEK)	U		0.0836	0.132	1	06/03/2024 17:42	WG2297589
Methylene Chloride	0.0147	J	0.00874	0.0329	1	06/03/2024 17:42	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00300	0.0329	1	06/03/2024 17:42	WG2297589
Methyl tert-butyl ether	U		0.000461	0.00132	1	06/03/2024 17:42	WG2297589
Naphthalene	0.0167		0.00642	0.0164	1	06/03/2024 17:42	WG2297589
n-Propylbenzene	U		0.00125	0.00658	1	06/03/2024 17:42	WG2297589
Styrene	U		0.000301	0.0164	1	06/03/2024 17:42	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00125	0.00329	1	06/03/2024 17:42	WG2297589
1,1,2,2-Tetrachloroethane	U		0.000914	0.00329	1	06/03/2024 17:42	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.000992	0.00329	1	06/03/2024 17:42	WG2297589
Tetrachloroethene	U		0.00118	0.00329	1	06/03/2024 17:42	WG2297589
Toluene	U		0.00171	0.00658	1	06/03/2024 17:42	WG2297589
1,2,3-Trichlorobenzene	U		0.00964	0.0164	1	06/03/2024 17:42	WG2297589
1,2,4-Trichlorobenzene	U		0.00579	0.0164	1	06/03/2024 17:42	WG2297589
1,1,1-Trichloroethane	U		0.00121	0.00329	1	06/03/2024 17:42	WG2297589
1,1,2-Trichloroethane	U		0.000786	0.00329	1	06/03/2024 17:42	WG2297589
Trichloroethene	U		0.000768	0.00132	1	06/03/2024 17:42	WG2297589
Trichlorofluoromethane	U		0.00109	0.00329	1	06/03/2024 17:42	WG2297589
1,2,3-Trichloropropane	U		0.00213	0.0164	1	06/03/2024 17:42	WG2297589
1,2,4-Trimethylbenzene	0.00321	J	0.00208	0.00658	1	06/03/2024 17:42	WG2297589
1,2,3-Trimethylbenzene	0.00418	J	0.00208	0.00658	1	06/03/2024 17:42	WG2297589
1,3,5-Trimethylbenzene	U		0.00263	0.00658	1	06/03/2024 17:42	WG2297589
Vinyl chloride	U		0.00153	0.00329	1	06/03/2024 17:42	WG2297589
Xylenes, Total	U		0.00116	0.00855	1	06/03/2024 17:42	WG2297589
(S) Toluene-d8	*101*			*75.0-131*		*06/03/2024 17:42*	WG2297589
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/03/2024 17:42*	WG2297589
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/03/2024 17:42*	WG2297589

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00618	0.0382	1	06/06/2024 16:51	WG2298678
Acenaphthylene	U		0.00538	0.0382	1	06/06/2024 16:51	WG2298678
Anthracene	U		0.00680	0.0382	1	06/06/2024 16:51	WG2298678
Benzidine	U		0.0718	1.91	1	06/06/2024 16:51	WG2298678
Benzo(a)anthracene	0.0193	J	0.00673	0.0382	1	06/06/2024 16:51	WG2298678
Benzo(b)fluoranthene	0.0368	J	0.00712	0.0382	1	06/06/2024 16:51	WG2298678
Benzo(k)fluoranthene	0.00791	J	0.00679	0.0382	1	06/06/2024 16:51	WG2298678
Benzo(g,h,i)perylene	0.0171	J	0.00698	0.0382	1	06/06/2024 16:51	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0216	J	0.00710	0.0382	1	06/06/2024 16:51	WG2298678
Bis(2-chlorethoxy)methane	U		0.0115	0.382	1	06/06/2024 16:51	WG2298678
Bis(2-chloroethyl)ether	U		0.0126	0.382	1	06/06/2024 16:51	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0165	0.382	1	06/06/2024 16:51	WG2298678
4-Bromophenyl-phenylether	U		0.0134	0.382	1	06/06/2024 16:51	WG2298678
2-Chloronaphthalene	U		0.00671	0.0382	1	06/06/2024 16:51	WG2298678
4-Chlorophenyl-phenylether	U		0.0133	0.382	1	06/06/2024 16:51	WG2298678
Chrysene	0.0252	J	0.00759	0.0382	1	06/06/2024 16:51	WG2298678
Dibenz(a,h)anthracene	U		0.0106	0.0382	1	06/06/2024 16:51	WG2298678
1,2-Dichlorobenzene	U		0.0113	0.382	1	06/06/2024 16:51	WG2298678
1,3-Dichlorobenzene	U		0.0116	0.382	1	06/06/2024 16:51	WG2298678
1,4-Dichlorobenzene	U		0.0114	0.382	1	06/06/2024 16:51	WG2298678
3,3-Dichlorobenzidine	U		0.0141	0.382	1	06/06/2024 16:51	WG2298678
2,4-Dinitrotoluene	U		0.0109	0.382	1	06/06/2024 16:51	WG2298678
2,6-Dinitrotoluene	U		0.0125	0.382	1	06/06/2024 16:51	WG2298678
Fluoranthene	0.0306	J	0.00689	0.0382	1	06/06/2024 16:51	WG2298678
Fluorene	U		0.00621	0.0382	1	06/06/2024 16:51	WG2298678
Hexachlorobenzene	U		0.0135	0.382	1	06/06/2024 16:51	WG2298678
Hexachloro-1,3-butadiene	U		0.0128	0.382	1	06/06/2024 16:51	WG2298678
Hexachlorocyclopentadiene	U		0.0201	0.382	1	06/06/2024 16:51	WG2298678
Hexachloroethane	U		0.0150	0.382	1	06/06/2024 16:51	WG2298678
Indeno(1,2,3-cd)pyrene	0.0136	J	0.0108	0.0382	1	06/06/2024 16:51	WG2298678
Isophorone	U		0.0117	0.382	1	06/06/2024 16:51	WG2298678
Naphthalene	0.0259	J	0.00959	0.0382	1	06/06/2024 16:51	WG2298678
Nitrobenzene	U		0.0133	0.382	1	06/06/2024 16:51	WG2298678
n-Nitrosodimethylamine	U		0.0566	0.382	1	06/06/2024 16:51	WG2298678
n-Nitrosodiphenylamine	U		0.0289	0.382	1	06/06/2024 16:51	WG2298678
n-Nitrosodi-n-propylamine	U		0.0127	0.382	1	06/06/2024 16:51	WG2298678
Phenanthrene	0.0432		0.00758	0.0382	1	06/06/2024 16:51	WG2298678
Benzylbutyl phthalate	U		0.0119	0.382	1	06/06/2024 16:51	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0484	0.382	1	06/06/2024 16:51	WG2298678
Di-n-butyl phthalate	U		0.0131	0.382	1	06/06/2024 16:51	WG2298678
Diethyl phthalate	U		0.0126	0.382	1	06/06/2024 16:51	WG2298678
Dimethyl phthalate	U		0.0809	0.382	1	06/06/2024 16:51	WG2298678
Di-n-octyl phthalate	U		0.0258	0.382	1	06/06/2024 16:51	WG2298678
Pyrene	0.0407		0.00743	0.0382	1	06/06/2024 16:51	WG2298678
1,2,4-Trichlorobenzene	U		0.0119	0.382	1	06/06/2024 16:51	WG2298678
4-Chloro-3-methylphenol	U		0.0124	0.382	1	06/06/2024 16:51	WG2298678
2-Chlorophenol	U		0.0126	0.382	1	06/06/2024 16:51	WG2298678
2,4-Dichlorophenol	U		0.0111	0.382	1	06/06/2024 16:51	WG2298678
2,4-Dimethylphenol	U		0.00997	0.382	1	06/06/2024 16:51	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0866	0.382	1	06/06/2024 16:51	WG2298678
2,4-Dinitrophenol	U		0.0893	0.382	1	06/06/2024 16:51	WG2298678
2-Nitrophenol	U		0.0136	0.382	1	06/06/2024 16:51	WG2298678
4-Nitrophenol	U		0.0119	0.382	1	06/06/2024 16:51	WG2298678
Pentachlorophenol	U		0.0103	0.382	1	06/06/2024 16:51	WG2298678
Phenol	U		0.0154	0.382	1	06/06/2024 16:51	WG2298678
2,4,6-Trichlorophenol	U		0.0123	0.382	1	06/06/2024 16:51	WG2298678
(S) 2-Fluorophenol	*60.4*			*12.0-120*		*06/06/2024 16:51*	WG2298678
(S) Phenol-d5	*56.8*			*10.0-120*		*06/06/2024 16:51*	WG2298678
(S) Nitrobenzene-d5	*46.2*			*10.0-122*		*06/06/2024 16:51*	WG2298678
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*		*06/06/2024 16:51*	WG2298678
(S) 2,4,6-Tribromophenol	*56.0*			*10.0-127*		*06/06/2024 16:51*	WG2298678
(S) p-Terphenyl-d14	*58.3*			*10.0-120*		*06/06/2024 16:51*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	05/31/2024 07:14	WG2296009

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0934		0.0205	0.0455	1	06/01/2024 18:06	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.92		0.619	2.28	1	06/05/2024 11:37	WG2297398
Arsenic	4.20		0.590	2.28	1	06/05/2024 11:37	WG2297398
Barium	194		0.0970	0.569	1	06/05/2024 11:37	WG2297398
Beryllium	0.335		0.0359	0.228	1	06/05/2024 11:37	WG2297398
Cadmium	0.249	J	0.0536	0.569	1	06/05/2024 11:37	WG2297398
Chromium	50.7		0.151	1.14	1	06/05/2024 11:37	WG2297398
Cobalt	12.9		0.0923	1.14	1	06/05/2024 11:37	WG2297398
Copper	23.4		0.455	2.28	1	06/05/2024 11:37	WG2297398
Lead	82.6		0.237	0.569	1	06/05/2024 11:37	WG2297398
Molybdenum	0.475	J	0.124	0.569	1	06/05/2024 11:37	WG2297398
Nickel	56.6		0.150	2.28	1	06/05/2024 11:37	WG2297398
Selenium	U		0.870	2.28	1	06/05/2024 11:37	WG2297398
Silver	U		0.145	1.14	1	06/05/2024 11:37	WG2297398
Thallium	U		0.449	2.28	1	06/05/2024 11:37	WG2297398
Vanadium	47.8		0.576	2.28	1	06/05/2024 11:37	WG2297398
Zinc	91.2		0.947	5.69	1	06/05/2024 11:37	WG2297398

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.29	B	1.07	3.22	25	06/02/2024 18:33	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*88.0*			*77.0-120*		*06/02/2024 18:33*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0470	0.0644	1	06/03/2024 18:01	WG2297589
Acrylonitrile	U		0.00465	0.0161	1	06/03/2024 18:01	WG2297589
Benzene	U		0.000601	0.00129	1	06/03/2024 18:01	WG2297589
Bromobenzene	U		0.00116	0.0161	1	06/03/2024 18:01	WG2297589
Bromodichloromethane	U		0.000933	0.00322	1	06/03/2024 18:01	WG2297589
Bromoform	U		0.00151	0.0322	1	06/03/2024 18:01	WG2297589
Bromomethane	U		0.00254	0.0161	1	06/03/2024 18:01	WG2297589
n-Butylbenzene	U		0.00676	0.0161	1	06/03/2024 18:01	WG2297589
sec-Butylbenzene	U		0.00371	0.0161	1	06/03/2024 18:01	WG2297589
tert-Butylbenzene	U		0.00251	0.00644	1	06/03/2024 18:01	WG2297589
Carbon tetrachloride	U		0.00116	0.00644	1	06/03/2024 18:01	WG2297589
Chlorobenzene	U		0.000270	0.00322	1	06/03/2024 18:01	WG2297589
Chlorodibromomethane	U		0.000788	0.00322	1	06/03/2024 18:01	WG2297589
Chloroethane	U		0.00219	0.00644	1	06/03/2024 18:01	WG2297589
Chloroform	U		0.00133	0.00322	1	06/03/2024 18:01	WG2297589
Chloromethane	U		0.00560	0.0161	1	06/03/2024 18:01	WG2297589
2-Chlorotoluene	U		0.00111	0.00322	1	06/03/2024 18:01	WG2297589
4-Chlorotoluene	U		0.000579	0.00644	1	06/03/2024 18:01	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00502	0.0322	1	06/03/2024 18:01	WG2297589
1,2-Dibromoethane	U		0.000834	0.00322	1	06/03/2024 18:01	WG2297589
Dibromomethane	U		0.000965	0.00644	1	06/03/2024 18:01	WG2297589
1,2-Dichlorobenzene	U		0.000547	0.00644	1	06/03/2024 18:01	WG2297589
1,3-Dichlorobenzene	U		0.000772	0.00644	1	06/03/2024 18:01	WG2297589
1,4-Dichlorobenzene	U		0.000901	0.00644	1	06/03/2024 18:01	WG2297589
Dichlorodifluoromethane	U		0.00207	0.00644	1	06/03/2024 18:01	WG2297589
1,1-Dichloroethane	U		0.000632	0.00322	1	06/03/2024 18:01	WG2297589
1,2-Dichloroethane	U		0.000835	0.00322	1	06/03/2024 18:01	WG2297589
1,1-Dichloroethene	U		0.000780	0.00322	1	06/03/2024 18:01	WG2297589
cis-1,2-Dichloroethene	U		0.000945	0.00322	1	06/03/2024 18:01	WG2297589
trans-1,2-Dichloroethene	U		0.00134	0.00644	1	06/03/2024 18:01	WG2297589
1,2-Dichloropropane	U		0.00183	0.00644	1	06/03/2024 18:01	WG2297589
1,1-Dichloropropene	U		0.00104	0.00322	1	06/03/2024 18:01	WG2297589
1,3-Dichloropropane	U		0.000645	0.00644	1	06/03/2024 18:01	WG2297589
cis-1,3-Dichloropropene	U		0.000974	0.00322	1	06/03/2024 18:01	WG2297589
trans-1,3-Dichloropropene	U		0.00147	0.00644	1	06/03/2024 18:01	WG2297589
2,2-Dichloropropane	U		0.00178	0.00322	1	06/03/2024 18:01	WG2297589
Di-isopropyl ether	U		0.000528	0.00129	1	06/03/2024 18:01	WG2297589
Ethylbenzene	U		0.000949	0.00322	1	06/03/2024 18:01	WG2297589
Hexachloro-1,3-butadiene	U		0.00772	0.0322	1	06/03/2024 18:01	WG2297589
Isopropylbenzene	U		0.000547	0.00322	1	06/03/2024 18:01	WG2297589
p-Isopropyltoluene	U		0.00328	0.00644	1	06/03/2024 18:01	WG2297589
2-Butanone (MEK)	U		0.0817	0.129	1	06/03/2024 18:01	WG2297589
Methylene Chloride	0.0165	J	0.00855	0.0322	1	06/03/2024 18:01	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00293	0.0322	1	06/03/2024 18:01	WG2297589
Methyl tert-butyl ether	U		0.000451	0.00129	1	06/03/2024 18:01	WG2297589
Naphthalene	0.00922	J	0.00628	0.0161	1	06/03/2024 18:01	WG2297589
n-Propylbenzene	U		0.00122	0.00644	1	06/03/2024 18:01	WG2297589
Styrene	U		0.000295	0.0161	1	06/03/2024 18:01	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00122	0.00322	1	06/03/2024 18:01	WG2297589
1,1,2,2-Tetrachloroethane	U		0.000895	0.00322	1	06/03/2024 18:01	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.000971	0.00322	1	06/03/2024 18:01	WG2297589
Tetrachloroethene	U		0.00115	0.00322	1	06/03/2024 18:01	WG2297589
Toluene	U		0.00167	0.00644	1	06/03/2024 18:01	WG2297589
1,2,3-Trichlorobenzene	U		0.00943	0.0161	1	06/03/2024 18:01	WG2297589
1,2,4-Trichlorobenzene	U		0.00566	0.0161	1	06/03/2024 18:01	WG2297589
1,1,1-Trichloroethane	U		0.00119	0.00322	1	06/03/2024 18:01	WG2297589
1,1,2-Trichloroethane	U		0.000768	0.00322	1	06/03/2024 18:01	WG2297589
Trichloroethene	U		0.000752	0.00129	1	06/03/2024 18:01	WG2297589
Trichlorofluoromethane	U		0.00106	0.00322	1	06/03/2024 18:01	WG2297589
1,2,3-Trichloropropane	U		0.00209	0.0161	1	06/03/2024 18:01	WG2297589
1,2,4-Trimethylbenzene	0.00237	J	0.00203	0.00644	1	06/03/2024 18:01	WG2297589
1,2,3-Trimethylbenzene	0.00264	J	0.00203	0.00644	1	06/03/2024 18:01	WG2297589
1,3,5-Trimethylbenzene	U		0.00257	0.00644	1	06/03/2024 18:01	WG2297589
Vinyl chloride	U		0.00149	0.00322	1	06/03/2024 18:01	WG2297589
Xylenes, Total	0.00158	J	0.00113	0.00837	1	06/03/2024 18:01	WG2297589
(S) Toluene-d8	*101*			*75.0-131*		*06/03/2024 18:01*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 18:01*	WG2297589
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*06/03/2024 18:01*	WG2297589

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	8.40		0.835	4.55	1	06/05/2024 00:29	WG2298254
C22-C32 Hydrocarbons	52.1		1.51	4.55	1	06/05/2024 00:29	WG2298254
C32-C40 Hydrocarbons	39.2		1.51	4.55	1	06/05/2024 00:29	WG2298254
(S) o-Terphenyl	*43.7*			*18.0-148*		*06/05/2024 00:29*	WG2298254

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00614	0.0379	1	06/06/2024 15:36	WG2298678
Acenaphthylene	0.00627	J	0.00534	0.0379	1	06/06/2024 15:36	WG2298678
Anthracene	U		0.00675	0.0379	1	06/06/2024 15:36	WG2298678
Benzidine	U		0.0713	1.90	1	06/06/2024 15:36	WG2298678
Benzo(a)anthracene	0.0157	J	0.00668	0.0379	1	06/06/2024 15:36	WG2298678
Benzo(b)fluoranthene	0.0323	J	0.00707	0.0379	1	06/06/2024 15:36	WG2298678
Benzo(k)fluoranthene	0.0124	J	0.00674	0.0379	1	06/06/2024 15:36	WG2298678
Benzo(g,h,i)perylene	0.0195	J	0.00693	0.0379	1	06/06/2024 15:36	WG2298678
Benzo(a)pyrene	0.0206	J	0.00705	0.0379	1	06/06/2024 15:36	WG2298678
Bis(2-chlorethoxy)methane	U		0.0114	0.379	1	06/06/2024 15:36	WG2298678
Bis(2-chloroethyl)ether	U		0.0125	0.379	1	06/06/2024 15:36	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0164	0.379	1	06/06/2024 15:36	WG2298678
4-Bromophenyl-phenylether	U		0.0133	0.379	1	06/06/2024 15:36	WG2298678
2-Chloronaphthalene	U		0.00666	0.0379	1	06/06/2024 15:36	WG2298678
4-Chlorophenyl-phenylether	U		0.0132	0.379	1	06/06/2024 15:36	WG2298678
Chrysene	0.0235	J	0.00754	0.0379	1	06/06/2024 15:36	WG2298678
Dibenz(a,h)anthracene	U		0.0105	0.0379	1	06/06/2024 15:36	WG2298678
1,2-Dichlorobenzene	U		0.0112	0.379	1	06/06/2024 15:36	WG2298678
1,3-Dichlorobenzene	U		0.0115	0.379	1	06/06/2024 15:36	WG2298678
1,4-Dichlorobenzene	U		0.0113	0.379	1	06/06/2024 15:36	WG2298678
3,3-Dichlorobenzidine	U		0.0140	0.379	1	06/06/2024 15:36	WG2298678
2,4-Dinitrotoluene	U		0.0109	0.379	1	06/06/2024 15:36	WG2298678
2,6-Dinitrotoluene	U		0.0124	0.379	1	06/06/2024 15:36	WG2298678
Fluoranthene	0.0491		0.00684	0.0379	1	06/06/2024 15:36	WG2298678
Fluorene	U		0.00617	0.0379	1	06/06/2024 15:36	WG2298678
Hexachlorobenzene	U		0.0134	0.379	1	06/06/2024 15:36	WG2298678
Hexachloro-1,3-butadiene	U		0.0128	0.379	1	06/06/2024 15:36	WG2298678
Hexachlorocyclopentadiene	U		0.0199	0.379	1	06/06/2024 15:36	WG2298678
Hexachloroethane	U		0.0149	0.379	1	06/06/2024 15:36	WG2298678
Indeno(1,2,3-cd)pyrene	0.0197	J	0.0107	0.0379	1	06/06/2024 15:36	WG2298678
Isophorone	U		0.0116	0.379	1	06/06/2024 15:36	WG2298678
Naphthalene	U		0.00952	0.0379	1	06/06/2024 15:36	WG2298678
Nitrobenzene	U		0.0132	0.379	1	06/06/2024 15:36	WG2298678
n-Nitrosodimethylamine	U		0.0562	0.379	1	06/06/2024 15:36	WG2298678
n-Nitrosodiphenylamine	U		0.0287	0.379	1	06/06/2024 15:36	WG2298678
n-Nitrosodi-n-propylamine	U		0.0126	0.379	1	06/06/2024 15:36	WG2298678
Phenanthrene	0.0302	J	0.00753	0.0379	1	06/06/2024 15:36	WG2298678
Benzylbutyl phthalate	U		0.0118	0.379	1	06/06/2024 15:36	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0480	0.379	1	06/06/2024 15:36	WG2298678
Di-n-butyl phthalate	U		0.0130	0.379	1	06/06/2024 15:36	WG2298678
Diethyl phthalate	U		0.0125	0.379	1	06/06/2024 15:36	WG2298678
Dimethyl phthalate	U		0.0804	0.379	1	06/06/2024 15:36	WG2298678
Di-n-octyl phthalate	U		0.0256	0.379	1	06/06/2024 15:36	WG2298678
Pyrene	0.0451		0.00738	0.0379	1	06/06/2024 15:36	WG2298678
1,2,4-Trichlorobenzene	U		0.0118	0.379	1	06/06/2024 15:36	WG2298678
4-Chloro-3-methylphenol	U		0.0123	0.379	1	06/06/2024 15:36	WG2298678
2-Chlorophenol	U		0.0125	0.379	1	06/06/2024 15:36	WG2298678
2,4-Dichlorophenol	U		0.0110	0.379	1	06/06/2024 15:36	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.00991	0.379	1	06/06/2024 15:36	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0860	0.379	1	06/06/2024 15:36	WG2298678
2,4-Dinitrophenol	U		0.0887	0.379	1	06/06/2024 15:36	WG2298678
2-Nitrophenol	U		0.0135	0.379	1	06/06/2024 15:36	WG2298678
4-Nitrophenol	U		0.0118	0.379	1	06/06/2024 15:36	WG2298678
Pentachlorophenol	U		0.0102	0.379	1	06/06/2024 15:36	WG2298678
Phenol	U		0.0153	0.379	1	06/06/2024 15:36	WG2298678
2,4,6-Trichlorophenol	U		0.0122	0.379	1	06/06/2024 15:36	WG2298678
(S) 2-Fluorophenol	*62.3*			*12.0-120*		*06/06/2024 15:36*	WG2298678
(S) Phenol-d5	*58.9*			*10.0-120*		*06/06/2024 15:36*	WG2298678
(S) Nitrobenzene-d5	*48.9*			*10.0-122*		*06/06/2024 15:36*	WG2298678
(S) 2-Fluorobiphenyl	*56.1*			*15.0-120*		*06/06/2024 15:36*	WG2298678
(S) 2,4,6-Tribromophenol	*57.6*			*10.0-127*		*06/06/2024 15:36*	WG2298678
(S) p-Terphenyl-d14	*60.7*			*10.0-120*		*06/06/2024 15:36*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	05/31/2024 07:14	WG2296009

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.14	B J	1.09	3.29	25	06/02/2024 18:57	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*06/02/2024 18:57*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0481	0.0659	1	06/03/2024 18:21	WG2297589
Acrylonitrile	U		0.00476	0.0165	1	06/03/2024 18:21	WG2297589
Benzene	U		0.000615	0.00132	1	06/03/2024 18:21	WG2297589
Bromobenzene	U		0.00119	0.0165	1	06/03/2024 18:21	WG2297589
Bromodichloromethane	U		0.000955	0.00329	1	06/03/2024 18:21	WG2297589
Bromoform	U		0.00154	0.0329	1	06/03/2024 18:21	WG2297589
Bromomethane	U		0.00260	0.0165	1	06/03/2024 18:21	WG2297589
n-Butylbenzene	U		0.00692	0.0165	1	06/03/2024 18:21	WG2297589
sec-Butylbenzene	U		0.00379	0.0165	1	06/03/2024 18:21	WG2297589
tert-Butylbenzene	U		0.00257	0.00659	1	06/03/2024 18:21	WG2297589
Carbon tetrachloride	U		0.00118	0.00659	1	06/03/2024 18:21	WG2297589
Chlorobenzene	U		0.000277	0.00329	1	06/03/2024 18:21	WG2297589
Chlorodibromomethane	U		0.000806	0.00329	1	06/03/2024 18:21	WG2297589
Chloroethane	U		0.00224	0.00659	1	06/03/2024 18:21	WG2297589
Chloroform	U		0.00136	0.00329	1	06/03/2024 18:21	WG2297589
Chloromethane	U		0.00573	0.0165	1	06/03/2024 18:21	WG2297589
2-Chlorotoluene	U		0.00114	0.00329	1	06/03/2024 18:21	WG2297589
4-Chlorotoluene	U		0.000593	0.00659	1	06/03/2024 18:21	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00514	0.0329	1	06/03/2024 18:21	WG2297589
1,2-Dibromoethane	U		0.000854	0.00329	1	06/03/2024 18:21	WG2297589
Dibromomethane	U		0.000988	0.00659	1	06/03/2024 18:21	WG2297589
1,2-Dichlorobenzene	U		0.000560	0.00659	1	06/03/2024 18:21	WG2297589
1,3-Dichlorobenzene	U		0.000790	0.00659	1	06/03/2024 18:21	WG2297589
1,4-Dichlorobenzene	U		0.000922	0.00659	1	06/03/2024 18:21	WG2297589
Dichlorodifluoromethane	U		0.00212	0.00659	1	06/03/2024 18:21	WG2297589
1,1-Dichloroethane	U		0.000647	0.00329	1	06/03/2024 18:21	WG2297589
1,2-Dichloroethane	U		0.000855	0.00329	1	06/03/2024 18:21	WG2297589
1,1-Dichloroethene	U		0.000798	0.00329	1	06/03/2024 18:21	WG2297589
cis-1,2-Dichloroethene	U		0.000967	0.00329	1	06/03/2024 18:21	WG2297589
trans-1,2-Dichloroethene	U		0.00137	0.00659	1	06/03/2024 18:21	WG2297589
1,2-Dichloropropane	U		0.00187	0.00659	1	06/03/2024 18:21	WG2297589
1,1-Dichloropropene	U		0.00107	0.00329	1	06/03/2024 18:21	WG2297589
1,3-Dichloropropane	U		0.000660	0.00659	1	06/03/2024 18:21	WG2297589
cis-1,3-Dichloropropene	U		0.000997	0.00329	1	06/03/2024 18:21	WG2297589
trans-1,3-Dichloropropene	U		0.00150	0.00659	1	06/03/2024 18:21	WG2297589
2,2-Dichloropropane	U		0.00182	0.00329	1	06/03/2024 18:21	WG2297589
Di-isopropyl ether	U		0.000540	0.00132	1	06/03/2024 18:21	WG2297589
Ethylbenzene	U		0.000971	0.00329	1	06/03/2024 18:21	WG2297589
Hexachloro-1,3-butadiene	U		0.00790	0.0329	1	06/03/2024 18:21	WG2297589
Isopropylbenzene	U		0.000560	0.00329	1	06/03/2024 18:21	WG2297589
p-Isopropyltoluene	U		0.00336	0.00659	1	06/03/2024 18:21	WG2297589
2-Butanone (MEK)	U		0.0837	0.132	1	06/03/2024 18:21	WG2297589
Methylene Chloride	0.0153	J	0.00875	0.0329	1	06/03/2024 18:21	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00300	0.0329	1	06/03/2024 18:21	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000461	0.00132	1	06/03/2024 18:21	WG2297589
Naphthalene	U		0.00643	0.0165	1	06/03/2024 18:21	WG2297589
n-Propylbenzene	U		0.00125	0.00659	1	06/03/2024 18:21	WG2297589
Styrene	U		0.000302	0.0165	1	06/03/2024 18:21	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00125	0.00329	1	06/03/2024 18:21	WG2297589
1,1,2,2-Tetrachloroethane	U		0.000916	0.00329	1	06/03/2024 18:21	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.000993	0.00329	1	06/03/2024 18:21	WG2297589
Tetrachloroethene	U		0.00118	0.00329	1	06/03/2024 18:21	WG2297589
Toluene	U		0.00171	0.00659	1	06/03/2024 18:21	WG2297589
1,2,3-Trichlorobenzene	U		0.00966	0.0165	1	06/03/2024 18:21	WG2297589
1,2,4-Trichlorobenzene	U		0.00580	0.0165	1	06/03/2024 18:21	WG2297589
1,1,1-Trichloroethane	U		0.00122	0.00329	1	06/03/2024 18:21	WG2297589
1,1,2-Trichloroethane	U		0.000786	0.00329	1	06/03/2024 18:21	WG2297589
Trichloroethene	U		0.000769	0.00132	1	06/03/2024 18:21	WG2297589
Trichlorofluoromethane	U		0.00109	0.00329	1	06/03/2024 18:21	WG2297589
1,2,3-Trichloropropane	U		0.00213	0.0165	1	06/03/2024 18:21	WG2297589
1,2,4-Trimethylbenzene	U		0.00208	0.00659	1	06/03/2024 18:21	WG2297589
1,2,3-Trimethylbenzene	U		0.00208	0.00659	1	06/03/2024 18:21	WG2297589
1,3,5-Trimethylbenzene	U		0.00263	0.00659	1	06/03/2024 18:21	WG2297589
Vinyl chloride	U		0.00153	0.00329	1	06/03/2024 18:21	WG2297589
Xylenes, Total	U		0.00116	0.00856	1	06/03/2024 18:21	WG2297589
(S) Toluene-d8	*101*			*75.0-131*		*06/03/2024 18:21*	WG2297589
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/03/2024 18:21*	WG2297589
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*06/03/2024 18:21*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	7.21	J	4.21	23.0	5	06/05/2024 01:35	WG2298254
C22-C32 Hydrocarbons	76.9		7.63	23.0	5	06/05/2024 01:35	WG2298254
C32-C40 Hydrocarbons	87.0		7.63	23.0	5	06/05/2024 01:35	WG2298254
(S) o-Terphenyl	*65.0*			*18.0-148*		*06/05/2024 01:35*	WG2298254

Sample Narrative:

L1740925-13 WG2298254: Cannot run at lower dilution due to viscosity of extract

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	05/31/2024 11:34	WG2296247

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.07		0.0209	0.0465	1	06/01/2024 18:08	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.78		0.633	2.33	1	06/05/2024 11:39	WG2297398
Arsenic	12.7		0.602	2.33	1	06/05/2024 11:39	WG2297398
Barium	228		0.0991	0.581	1	06/05/2024 11:39	WG2297398
Beryllium	0.0762	J	0.0366	0.233	1	06/05/2024 11:39	WG2297398
Cadmium	5.40		0.0548	0.581	1	06/05/2024 11:39	WG2297398
Chromium	43.5		0.155	1.16	1	06/05/2024 11:39	WG2297398
Cobalt	5.57		0.0943	1.16	1	06/05/2024 11:39	WG2297398
Copper	209		0.465	2.33	1	06/05/2024 11:39	WG2297398
Lead	1780		0.242	0.581	1	06/05/2024 11:39	WG2297398
Molybdenum	15.5		0.127	0.581	1	06/05/2024 11:39	WG2297398
Nickel	25.4		0.153	2.33	1	06/05/2024 11:39	WG2297398
Selenium	U		0.888	2.33	1	06/05/2024 11:39	WG2297398
Silver	U		0.148	1.16	1	06/05/2024 11:39	WG2297398
Thallium	U		0.458	2.33	1	06/05/2024 11:39	WG2297398
Vanadium	26.7		0.588	2.33	1	06/05/2024 11:39	WG2297398
Zinc	838		0.967	5.81	1	06/05/2024 11:39	WG2297398

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0137	0.0395	1	06/03/2024 21:01	WG2297376
PCB 1221	U		0.0137	0.0395	1	06/03/2024 21:01	WG2297376
PCB 1232	U		0.0137	0.0395	1	06/03/2024 21:01	WG2297376
PCB 1242	1.88		0.0687	0.198	5	06/04/2024 14:31	WG2297376
PCB 1248	U		0.00858	0.0198	1	06/03/2024 21:01	WG2297376
PCB 1254	1.14		0.0429	0.0988	5	06/04/2024 14:31	WG2297376
PCB 1260	U		0.00858	0.0198	1	06/03/2024 21:01	WG2297376
(S) Decachlorobiphenyl	*56.2*			*10.0-135*		*06/04/2024 14:31*	WG2297376
(S) Decachlorobiphenyl	*84.8*			*10.0-135*		*06/03/2024 21:01*	WG2297376
(S) Tetrachloro-m-xylene	*57.2*			*10.0-139*		*06/04/2024 14:31*	WG2297376
(S) Tetrachloro-m-xylene	*81.8*			*10.0-139*		*06/03/2024 21:01*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		1.26	7.74	200	06/06/2024 19:45	WG2298678
Acenaphthylene	U		1.09	7.74	200	06/06/2024 19:45	WG2298678
Anthracene	U		1.38	7.74	200	06/06/2024 19:45	WG2298678
Benzidine	U		14.5	388	200	06/06/2024 19:45	WG2298678
Benzo(a)anthracene	U		1.36	7.74	200	06/06/2024 19:45	WG2298678
Benzo(b)fluoranthene	U		1.44	7.74	200	06/06/2024 19:45	WG2298678
Benzo(k)fluoranthene	U		1.37	7.74	200	06/06/2024 19:45	WG2298678
Benzo(g,h,i)perylene	U		1.42	7.74	200	06/06/2024 19:45	WG2298678
Benzo(a)pyrene	U		1.44	7.74	200	06/06/2024 19:45	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		2.33	77.4	200	06/06/2024 19:45	WG2298678
Bis(2-chloroethyl)ether	U		2.56	77.4	200	06/06/2024 19:45	WG2298678
2,2-Oxybis(1-Chloropropane)	U		3.35	77.4	200	06/06/2024 19:45	WG2298678
4-Bromophenyl-phenylether	U		2.72	77.4	200	06/06/2024 19:45	WG2298678
2-Chloronaphthalene	U		1.36	7.74	200	06/06/2024 19:45	WG2298678
4-Chlorophenyl-phenylether	U		2.70	77.4	200	06/06/2024 19:45	WG2298678
Chrysene	U		1.53	7.74	200	06/06/2024 19:45	WG2298678
Dibenz(a,h)anthracene	U		2.15	7.74	200	06/06/2024 19:45	WG2298678
1,2-Dichlorobenzene	U		2.29	77.4	200	06/06/2024 19:45	WG2298678
1,3-Dichlorobenzene	U		2.35	77.4	200	06/06/2024 19:45	WG2298678
1,4-Dichlorobenzene	U		2.30	77.4	200	06/06/2024 19:45	WG2298678
3,3-Dichlorobenzidine	U		2.86	77.4	200	06/06/2024 19:45	WG2298678
2,4-Dinitrotoluene	U		2.22	77.4	200	06/06/2024 19:45	WG2298678
2,6-Dinitrotoluene	U		2.53	77.4	200	06/06/2024 19:45	WG2298678
Fluoranthene	U		1.40	7.74	200	06/06/2024 19:45	WG2298678
Fluorene	U		1.26	7.74	200	06/06/2024 19:45	WG2298678
Hexachlorobenzene	U		2.74	77.4	200	06/06/2024 19:45	WG2298678
Hexachloro-1,3-butadiene	U		2.60	77.4	200	06/06/2024 19:45	WG2298678
Hexachlorocyclopentadiene	U		4.07	77.4	200	06/06/2024 19:45	WG2298678
Hexachloroethane	U		3.05	77.4	200	06/06/2024 19:45	WG2298678
Indeno(1,2,3-cd)pyrene	U		2.19	7.74	200	06/06/2024 19:45	WG2298678
Isophorone	U		2.37	77.4	200	06/06/2024 19:45	WG2298678
Naphthalene	U		1.94	7.74	200	06/06/2024 19:45	WG2298678
Nitrobenzene	U		2.70	77.4	200	06/06/2024 19:45	WG2298678
n-Nitrosodimethylamine	U		11.5	77.4	200	06/06/2024 19:45	WG2298678
n-Nitrosodiphenylamine	U		5.86	77.4	200	06/06/2024 19:45	WG2298678
n-Nitrosodi-n-propylamine	U		2.58	77.4	200	06/06/2024 19:45	WG2298678
Phenanthrene	U		1.53	7.74	200	06/06/2024 19:45	WG2298678
Benzylbutyl phthalate	U		2.42	77.4	200	06/06/2024 19:45	WG2298678
Bis(2-ethylhexyl)phthalate	U		9.81	77.4	200	06/06/2024 19:45	WG2298678
Di-n-butyl phthalate	U		2.65	77.4	200	06/06/2024 19:45	WG2298678
Diethyl phthalate	U		2.56	77.4	200	06/06/2024 19:45	WG2298678
Dimethyl phthalate	U		16.4	77.4	200	06/06/2024 19:45	WG2298678
Di-n-octyl phthalate	U		5.23	77.4	200	06/06/2024 19:45	WG2298678
Pyrene	1.53	J	1.51	7.74	200	06/06/2024 19:45	WG2298678
1,2,4-Trichlorobenzene	U		2.42	77.4	200	06/06/2024 19:45	WG2298678
4-Chloro-3-methylphenol	U		2.51	77.4	200	06/06/2024 19:45	WG2298678
2-Chlorophenol	U		2.56	77.4	200	06/06/2024 19:45	WG2298678
2,4-Dichlorophenol	U		2.26	77.4	200	06/06/2024 19:45	WG2298678
2,4-Dimethylphenol	U		2.02	77.4	200	06/06/2024 19:45	WG2298678
4,6-Dinitro-2-methylphenol	U		17.6	77.4	200	06/06/2024 19:45	WG2298678
2,4-Dinitrophenol	U		18.1	77.4	200	06/06/2024 19:45	WG2298678
2-Nitrophenol	U		2.77	77.4	200	06/06/2024 19:45	WG2298678
4-Nitrophenol	U		2.42	77.4	200	06/06/2024 19:45	WG2298678
Pentachlorophenol	U		2.08	77.4	200	06/06/2024 19:45	WG2298678
Phenol	U		3.12	77.4	200	06/06/2024 19:45	WG2298678
2,4,6-Trichlorophenol	U		2.49	77.4	200	06/06/2024 19:45	WG2298678
(S) 2-Fluorophenol	*47.2*	J7		*12.0-120*		*06/06/2024 19:45*	WG2298678
(S) Phenol-d5	*61.1*	J7		*10.0-120*		*06/06/2024 19:45*	WG2298678
(S) Nitrobenzene-d5	*54.8*	J7		*10.0-122*		*06/06/2024 19:45*	WG2298678
(S) 2-Fluorobiphenyl	*62.9*	J7		*15.0-120*		*06/06/2024 19:45*	WG2298678
(S) 2,4,6-Tribromophenol	*56.2*	J7		*10.0-127*		*06/06/2024 19:45*	WG2298678
(S) p-Terphenyl-d14	*75.7*	J7		*10.0-120*		*06/06/2024 19:45*	WG2298678

Sample Narrative:

L1740925-14 WG2298678: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	05/31/2024 07:03	WG2296010

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.212		0.0217	0.0482	1	06/01/2024 18:11	WG2295935

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.41		0.656	2.41	1	06/05/2024 11:41	WG2297398
Arsenic	0.960	J	0.624	2.41	1	06/05/2024 11:41	WG2297398
Barium	181		0.103	0.602	1	06/05/2024 11:41	WG2297398
Beryllium	0.285		0.0380	0.241	1	06/05/2024 11:41	WG2297398
Cadmium	0.208	J	0.0568	0.602	1	06/05/2024 11:41	WG2297398
Chromium	51.0		0.160	1.20	1	06/05/2024 11:41	WG2297398
Cobalt	13.9		0.0977	1.20	1	06/05/2024 11:41	WG2297398
Copper	37.5		0.482	2.41	1	06/05/2024 11:41	WG2297398
Lead	99.2		0.251	0.602	1	06/05/2024 11:41	WG2297398
Molybdenum	0.233	J	0.131	0.602	1	06/05/2024 11:41	WG2297398
Nickel	49.3		0.159	2.41	1	06/05/2024 11:41	WG2297398
Selenium	U		0.921	2.41	1	06/05/2024 11:41	WG2297398
Silver	U		0.153	1.20	1	06/05/2024 11:41	WG2297398
Thallium	U		0.475	2.41	1	06/05/2024 11:41	WG2297398
Vanadium	76.0		0.610	2.41	1	06/05/2024 11:41	WG2297398
Zinc	205		1.00	6.02	1	06/05/2024 11:41	WG2297398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0526	0.0721	1	06/03/2024 18:39	WG2297589
Acrylonitrile	U		0.00521	0.0180	1	06/03/2024 18:39	WG2297589
Benzene	0.000784	J	0.000673	0.00144	1	06/03/2024 18:39	WG2297589
Bromobenzene	U		0.00130	0.0180	1	06/03/2024 18:39	WG2297589
Bromodichloromethane	U		0.00105	0.00360	1	06/03/2024 18:39	WG2297589
Bromoform	U		0.00169	0.0360	1	06/03/2024 18:39	WG2297589
Bromomethane	U		0.00284	0.0180	1	06/03/2024 18:39	WG2297589
n-Butylbenzene	U		0.00757	0.0180	1	06/03/2024 18:39	WG2297589
sec-Butylbenzene	U		0.00415	0.0180	1	06/03/2024 18:39	WG2297589
tert-Butylbenzene	U		0.00281	0.00721	1	06/03/2024 18:39	WG2297589
Carbon tetrachloride	U		0.00129	0.00721	1	06/03/2024 18:39	WG2297589
Chlorobenzene	U		0.000303	0.00360	1	06/03/2024 18:39	WG2297589
Chlorodibromomethane	U		0.000882	0.00360	1	06/03/2024 18:39	WG2297589
Chloroethane	U		0.00245	0.00721	1	06/03/2024 18:39	WG2297589
Chloroform	U		0.00149	0.00360	1	06/03/2024 18:39	WG2297589
Chloromethane	U		0.00627	0.0180	1	06/03/2024 18:39	WG2297589
2-Chlorotoluene	U		0.00125	0.00360	1	06/03/2024 18:39	WG2297589
4-Chlorotoluene	U		0.000649	0.00721	1	06/03/2024 18:39	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0360	1	06/03/2024 18:39	WG2297589
1,2-Dibromoethane	U		0.000934	0.00360	1	06/03/2024 18:39	WG2297589
Dibromomethane	U		0.00108	0.00721	1	06/03/2024 18:39	WG2297589
1,2-Dichlorobenzene	U		0.000613	0.00721	1	06/03/2024 18:39	WG2297589
1,3-Dichlorobenzene	U		0.000865	0.00721	1	06/03/2024 18:39	WG2297589
1,4-Dichlorobenzene	U		0.00101	0.00721	1	06/03/2024 18:39	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00232	0.00721	1	06/03/2024 18:39	WG2297589
1,1-Dichloroethane	U		0.000708	0.00360	1	06/03/2024 18:39	WG2297589
1,2-Dichloroethane	U		0.000936	0.00360	1	06/03/2024 18:39	WG2297589
1,1-Dichloroethene	U		0.000874	0.00360	1	06/03/2024 18:39	WG2297589
cis-1,2-Dichloroethene	U		0.00106	0.00360	1	06/03/2024 18:39	WG2297589
trans-1,2-Dichloroethene	U		0.00150	0.00721	1	06/03/2024 18:39	WG2297589
1,2-Dichloropropane	U		0.00205	0.00721	1	06/03/2024 18:39	WG2297589
1,1-Dichloropropene	U		0.00117	0.00360	1	06/03/2024 18:39	WG2297589
1,3-Dichloropropane	U		0.000722	0.00721	1	06/03/2024 18:39	WG2297589
cis-1,3-Dichloropropene	U		0.00109	0.00360	1	06/03/2024 18:39	WG2297589
trans-1,3-Dichloropropene	U		0.00164	0.00721	1	06/03/2024 18:39	WG2297589
2,2-Dichloropropane	U		0.00199	0.00360	1	06/03/2024 18:39	WG2297589
Di-isopropyl ether	U		0.000591	0.00144	1	06/03/2024 18:39	WG2297589
Ethylbenzene	U		0.00106	0.00360	1	06/03/2024 18:39	WG2297589
Hexachloro-1,3-butadiene	U		0.00865	0.0360	1	06/03/2024 18:39	WG2297589
Isopropylbenzene	0.000627	J	0.000613	0.00360	1	06/03/2024 18:39	WG2297589
p-Isopropyltoluene	U		0.00368	0.00721	1	06/03/2024 18:39	WG2297589
2-Butanone (MEK)	U		0.0916	0.144	1	06/03/2024 18:39	WG2297589
Methylene Chloride	0.0150	J	0.00957	0.0360	1	06/03/2024 18:39	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00329	0.0360	1	06/03/2024 18:39	WG2297589
Methyl tert-butyl ether	U		0.000505	0.00144	1	06/03/2024 18:39	WG2297589
Naphthalene	0.0170	J	0.00704	0.0180	1	06/03/2024 18:39	WG2297589
n-Propylbenzene	0.00147	J	0.00137	0.00721	1	06/03/2024 18:39	WG2297589
Styrene	U		0.000330	0.0180	1	06/03/2024 18:39	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00137	0.00360	1	06/03/2024 18:39	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00100	0.00360	1	06/03/2024 18:39	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00360	1	06/03/2024 18:39	WG2297589
Tetrachloroethene	U		0.00129	0.00360	1	06/03/2024 18:39	WG2297589
Toluene	0.00386	J	0.00187	0.00721	1	06/03/2024 18:39	WG2297589
1,2,3-Trichlorobenzene	U		0.0106	0.0180	1	06/03/2024 18:39	WG2297589
1,2,4-Trichlorobenzene	U		0.00634	0.0180	1	06/03/2024 18:39	WG2297589
1,1,1-Trichloroethane	U		0.00133	0.00360	1	06/03/2024 18:39	WG2297589
1,1,2-Trichloroethane	U		0.000861	0.00360	1	06/03/2024 18:39	WG2297589
Trichloroethene	U		0.000842	0.00144	1	06/03/2024 18:39	WG2297589
Trichlorofluoromethane	U		0.00119	0.00360	1	06/03/2024 18:39	WG2297589
1,2,3-Trichloropropane	U		0.00234	0.0180	1	06/03/2024 18:39	WG2297589
1,2,4-Trimethylbenzene	0.0209		0.00228	0.00721	1	06/03/2024 18:39	WG2297589
1,2,3-Trimethylbenzene	0.00975		0.00228	0.00721	1	06/03/2024 18:39	WG2297589
1,3,5-Trimethylbenzene	0.00627	J	0.00288	0.00721	1	06/03/2024 18:39	WG2297589
Vinyl chloride	U		0.00167	0.00360	1	06/03/2024 18:39	WG2297589
Xylenes, Total	0.0105		0.00127	0.00937	1	06/03/2024 18:39	WG2297589
(S) Toluene-d8	*100*			*75.0-131*		*06/03/2024 18:39*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 18:39*	WG2297589
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*06/03/2024 18:39*	WG2297589

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0142	0.0410	1	06/14/2024 22:01	WG2304143
PCB 1221	U		0.0142	0.0410	1	06/14/2024 22:01	WG2304143
PCB 1232	U		0.0142	0.0410	1	06/14/2024 22:01	WG2304143
PCB 1242	U		0.0142	0.0410	1	06/14/2024 22:01	WG2304143
PCB 1248	U		0.00889	0.0205	1	06/14/2024 22:01	WG2304143
PCB 1254	U		0.00889	0.0205	1	06/14/2024 22:01	WG2304143
PCB 1260	U		0.00889	0.0205	1	06/14/2024 22:01	WG2304143
(S) Decachlorobiphenyl	*92.3*			*10.0-135*		*06/14/2024 22:01*	WG2304143

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*110*			*10.0-139*		*06/14/2024 22:01*	WG2304143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00649	0.0401	1	06/06/2024 13:57	WG2298678
Acenaphthylene	U		0.00565	0.0401	1	06/06/2024 13:57	WG2298678
Anthracene	U		0.00715	0.0401	1	06/06/2024 13:57	WG2298678
Benzidine	U		0.0754	2.01	1	06/06/2024 13:57	WG2298678
Benzo(a)anthracene	0.00795	J	0.00707	0.0401	1	06/06/2024 13:57	WG2298678
Benzo(b)fluoranthene	0.0151	J	0.00748	0.0401	1	06/06/2024 13:57	WG2298678
Benzo(k)fluoranthene	U		0.00713	0.0401	1	06/06/2024 13:57	WG2298678
Benzo(g,h,i)perylene	0.00972	J	0.00734	0.0401	1	06/06/2024 13:57	WG2298678
Benzo(a)pyrene	0.0117	J	0.00746	0.0401	1	06/06/2024 13:57	WG2298678
Bis(2-chlorethoxy)methane	U		0.0120	0.401	1	06/06/2024 13:57	WG2298678
Bis(2-chloroethyl)ether	U		0.0133	0.401	1	06/06/2024 13:57	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0174	0.401	1	06/06/2024 13:57	WG2298678
4-Bromophenyl-phenylether	U		0.0141	0.401	1	06/06/2024 13:57	WG2298678
2-Chloronaphthalene	U		0.00705	0.0401	1	06/06/2024 13:57	WG2298678
4-Chlorophenyl-phenylether	U		0.0140	0.401	1	06/06/2024 13:57	WG2298678
Chrysene	0.0113	J	0.00798	0.0401	1	06/06/2024 13:57	WG2298678
Dibenz(a,h)anthracene	U		0.0111	0.0401	1	06/06/2024 13:57	WG2298678
1,2-Dichlorobenzene	U		0.0119	0.401	1	06/06/2024 13:57	WG2298678
1,3-Dichlorobenzene	U		0.0122	0.401	1	06/06/2024 13:57	WG2298678
1,4-Dichlorobenzene	U		0.0119	0.401	1	06/06/2024 13:57	WG2298678
3,3-Dichlorobenzidine	U		0.0148	0.401	1	06/06/2024 13:57	WG2298678
2,4-Dinitrotoluene	U		0.0115	0.401	1	06/06/2024 13:57	WG2298678
2,6-Dinitrotoluene	U		0.0131	0.401	1	06/06/2024 13:57	WG2298678
Fluoranthene	0.0180	J	0.00724	0.0401	1	06/06/2024 13:57	WG2298678
Fluorene	0.00742	J	0.00653	0.0401	1	06/06/2024 13:57	WG2298678
Hexachlorobenzene	U		0.0142	0.401	1	06/06/2024 13:57	WG2298678
Hexachloro-1,3-butadiene	U		0.0135	0.401	1	06/06/2024 13:57	WG2298678
Hexachlorocyclopentadiene	U		0.0211	0.401	1	06/06/2024 13:57	WG2298678
Hexachloroethane	U		0.0158	0.401	1	06/06/2024 13:57	WG2298678
Indeno(1,2,3-cd)pyrene	0.0119	J	0.0113	0.0401	1	06/06/2024 13:57	WG2298678
Isophorone	U		0.0123	0.401	1	06/06/2024 13:57	WG2298678
Naphthalene	0.0148	J	0.0101	0.0401	1	06/06/2024 13:57	WG2298678
Nitrobenzene	U		0.0140	0.401	1	06/06/2024 13:57	WG2298678
n-Nitrosodimethylamine	U		0.0595	0.401	1	06/06/2024 13:57	WG2298678
n-Nitrosodiphenylamine	U		0.0304	0.401	1	06/06/2024 13:57	WG2298678
n-Nitrosodi-n-propylamine	U		0.0134	0.401	1	06/06/2024 13:57	WG2298678
Phenanthrene	0.0235	J	0.00796	0.0401	1	06/06/2024 13:57	WG2298678
Benzylbutyl phthalate	U		0.0125	0.401	1	06/06/2024 13:57	WG2298678
Bis(2-ethylhexyl)phthalate	0.0888	J	0.0508	0.401	1	06/06/2024 13:57	WG2298678
Di-n-butyl phthalate	U		0.0137	0.401	1	06/06/2024 13:57	WG2298678
Diethyl phthalate	U		0.0133	0.401	1	06/06/2024 13:57	WG2298678
Dimethyl phthalate	U		0.0851	0.401	1	06/06/2024 13:57	WG2298678
Di-n-octyl phthalate	U		0.0271	0.401	1	06/06/2024 13:57	WG2298678
Pyrene	0.0206	J	0.00781	0.0401	1	06/06/2024 13:57	WG2298678
1,2,4-Trichlorobenzene	U		0.0125	0.401	1	06/06/2024 13:57	WG2298678
4-Chloro-3-methylphenol	U		0.0130	0.401	1	06/06/2024 13:57	WG2298678
2-Chlorophenol	U		0.0133	0.401	1	06/06/2024 13:57	WG2298678
2,4-Dichlorophenol	U		0.0117	0.401	1	06/06/2024 13:57	WG2298678
2,4-Dimethylphenol	0.0129	J	0.0105	0.401	1	06/06/2024 13:57	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0910	0.401	1	06/06/2024 13:57	WG2298678
2,4-Dinitrophenol	U		0.0939	0.401	1	06/06/2024 13:57	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0143	0.401	1	06/06/2024 13:57	WG2298678
4-Nitrophenol	U		0.0125	0.401	1	06/06/2024 13:57	WG2298678
Pentachlorophenol	U		0.0108	0.401	1	06/06/2024 13:57	WG2298678
Phenol	U		0.0161	0.401	1	06/06/2024 13:57	WG2298678
2,4,6-Trichlorophenol	U		0.0129	0.401	1	06/06/2024 13:57	WG2298678
(S) 2-Fluorophenol	*42.3*			*12.0-120*		*06/06/2024 13:57*	WG2298678
(S) Phenol-d5	*40.9*			*10.0-120*		*06/06/2024 13:57*	WG2298678
(S) Nitrobenzene-d5	*34.1*			*10.0-122*		*06/06/2024 13:57*	WG2298678
(S) 2-Fluorobiphenyl	*45.3*			*15.0-120*		*06/06/2024 13:57*	WG2298678
(S) 2,4,6-Tribromophenol	*59.5*			*10.0-127*		*06/06/2024 13:57*	WG2298678
(S) p-Terphenyl-d14	*61.9*			*10.0-120*		*06/06/2024 13:57*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	05/31/2024 07:03	WG2296010

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.269		0.0216	0.0480	1	05/31/2024 14:27	WG2295946

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.44		0.653	2.40	1	06/05/2024 11:42	WG2297398
Arsenic	3.56		0.622	2.40	1	06/05/2024 11:42	WG2297398
Barium	248		0.102	0.600	1	06/05/2024 11:42	WG2297398
Beryllium	0.238	J	0.0378	0.240	1	06/05/2024 11:42	WG2297398
Cadmium	0.547	J	0.0566	0.600	1	06/05/2024 11:42	WG2297398
Chromium	45.7		0.160	1.20	1	06/05/2024 11:42	WG2297398
Cobalt	12.7		0.0974	1.20	1	06/05/2024 11:42	WG2297398
Copper	35.9		0.480	2.40	1	06/05/2024 11:42	WG2297398
Lead	506		0.250	0.600	1	06/05/2024 11:42	WG2297398
Molybdenum	0.387	J	0.131	0.600	1	06/05/2024 11:42	WG2297398
Nickel	44.9		0.158	2.40	1	06/05/2024 11:42	WG2297398
Selenium	U		0.917	2.40	1	06/05/2024 11:42	WG2297398
Silver	U		0.152	1.20	1	06/05/2024 11:42	WG2297398
Thallium	U		0.473	2.40	1	06/05/2024 11:42	WG2297398
Vanadium	64.9		0.608	2.40	1	06/05/2024 11:42	WG2297398
Zinc	241		0.999	6.00	1	06/05/2024 11:42	WG2297398

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.95	B	1.20	3.63	25	06/02/2024 19:20	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*06/02/2024 19:20*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0530	0.0725	1	06/03/2024 18:59	WG2297589
Acrylonitrile	U		0.00524	0.0181	1	06/03/2024 18:59	WG2297589
Benzene	0.00276		0.000678	0.00145	1	06/03/2024 18:59	WG2297589
Bromobenzene	U		0.00131	0.0181	1	06/03/2024 18:59	WG2297589
Bromodichloromethane	U		0.00105	0.00363	1	06/03/2024 18:59	WG2297589
Bromoform	U		0.00170	0.0363	1	06/03/2024 18:59	WG2297589
Bromomethane	U		0.00286	0.0181	1	06/03/2024 18:59	WG2297589
n-Butylbenzene	U		0.00762	0.0181	1	06/03/2024 18:59	WG2297589
sec-Butylbenzene	U		0.00418	0.0181	1	06/03/2024 18:59	WG2297589
tert-Butylbenzene	U		0.00283	0.00725	1	06/03/2024 18:59	WG2297589
Carbon tetrachloride	U		0.00130	0.00725	1	06/03/2024 18:59	WG2297589
Chlorobenzene	U		0.000305	0.00363	1	06/03/2024 18:59	WG2297589
Chlorodibromomethane	U		0.000888	0.00363	1	06/03/2024 18:59	WG2297589
Chloroethane	U		0.00247	0.00725	1	06/03/2024 18:59	WG2297589
Chloroform	U		0.00149	0.00363	1	06/03/2024 18:59	WG2297589
Chloromethane	U		0.00631	0.0181	1	06/03/2024 18:59	WG2297589
2-Chlorotoluene	U		0.00125	0.00363	1	06/03/2024 18:59	WG2297589
4-Chlorotoluene	U		0.000653	0.00725	1	06/03/2024 18:59	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0363	1	06/03/2024 18:59	WG2297589
1,2-Dibromoethane	U		0.000940	0.00363	1	06/03/2024 18:59	WG2297589
Dibromomethane	U		0.00109	0.00725	1	06/03/2024 18:59	WG2297589
1,2-Dichlorobenzene	U		0.000617	0.00725	1	06/03/2024 18:59	WG2297589
1,3-Dichlorobenzene	U		0.000871	0.00725	1	06/03/2024 18:59	WG2297589
1,4-Dichlorobenzene	U		0.00102	0.00725	1	06/03/2024 18:59	WG2297589
Dichlorodifluoromethane	U		0.00234	0.00725	1	06/03/2024 18:59	WG2297589
1,1-Dichloroethane	U		0.000712	0.00363	1	06/03/2024 18:59	WG2297589
1,2-Dichloroethane	U		0.000942	0.00363	1	06/03/2024 18:59	WG2297589
1,1-Dichloroethene	U		0.000879	0.00363	1	06/03/2024 18:59	WG2297589
cis-1,2-Dichloroethene	U		0.00106	0.00363	1	06/03/2024 18:59	WG2297589
trans-1,2-Dichloroethene	U		0.00151	0.00725	1	06/03/2024 18:59	WG2297589
1,2-Dichloropropane	U		0.00206	0.00725	1	06/03/2024 18:59	WG2297589
1,1-Dichloropropene	U		0.00117	0.00363	1	06/03/2024 18:59	WG2297589
1,3-Dichloropropane	U		0.000727	0.00725	1	06/03/2024 18:59	WG2297589
cis-1,3-Dichloropropene	U		0.00110	0.00363	1	06/03/2024 18:59	WG2297589
trans-1,3-Dichloropropene	U		0.00165	0.00725	1	06/03/2024 18:59	WG2297589
2,2-Dichloropropane	U		0.00200	0.00363	1	06/03/2024 18:59	WG2297589
Di-isopropyl ether	U		0.000595	0.00145	1	06/03/2024 18:59	WG2297589
Ethylbenzene	U		0.00107	0.00363	1	06/03/2024 18:59	WG2297589
Hexachloro-1,3-butadiene	U		0.00871	0.0363	1	06/03/2024 18:59	WG2297589
Isopropylbenzene	U		0.000617	0.00363	1	06/03/2024 18:59	WG2297589
p-Isopropyltoluene	U		0.00370	0.00725	1	06/03/2024 18:59	WG2297589
2-Butanone (MEK)	U		0.0921	0.145	1	06/03/2024 18:59	WG2297589
Methylene Chloride	U		0.00963	0.0363	1	06/03/2024 18:59	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00331	0.0363	1	06/03/2024 18:59	WG2297589
Methyl tert-butyl ether	U		0.000508	0.00145	1	06/03/2024 18:59	WG2297589
Naphthalene	U		0.00708	0.0181	1	06/03/2024 18:59	WG2297589
n-Propylbenzene	U		0.00138	0.00725	1	06/03/2024 18:59	WG2297589
Styrene	U		0.000332	0.0181	1	06/03/2024 18:59	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00138	0.00363	1	06/03/2024 18:59	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00101	0.00363	1	06/03/2024 18:59	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00363	1	06/03/2024 18:59	WG2297589
Tetrachloroethene	U		0.00130	0.00363	1	06/03/2024 18:59	WG2297589
Toluene	U		0.00189	0.00725	1	06/03/2024 18:59	WG2297589
1,2,3-Trichlorobenzene	U		0.0106	0.0181	1	06/03/2024 18:59	WG2297589
1,2,4-Trichlorobenzene	U		0.00638	0.0181	1	06/03/2024 18:59	WG2297589
1,1,1-Trichloroethane	U		0.00134	0.00363	1	06/03/2024 18:59	WG2297589
1,1,2-Trichloroethane	U		0.000866	0.00363	1	06/03/2024 18:59	WG2297589
Trichloroethene	U		0.000847	0.00145	1	06/03/2024 18:59	WG2297589
Trichlorofluoromethane	U		0.00120	0.00363	1	06/03/2024 18:59	WG2297589
1,2,3-Trichloropropane	U		0.00235	0.0181	1	06/03/2024 18:59	WG2297589
1,2,4-Trimethylbenzene	U		0.00229	0.00725	1	06/03/2024 18:59	WG2297589
1,2,3-Trimethylbenzene	U		0.00229	0.00725	1	06/03/2024 18:59	WG2297589
1,3,5-Trimethylbenzene	U		0.00290	0.00725	1	06/03/2024 18:59	WG2297589
Vinyl chloride	U		0.00168	0.00363	1	06/03/2024 18:59	WG2297589
Xylenes, Total	0.00601	J	0.00128	0.00943	1	06/03/2024 18:59	WG2297589
(S) Toluene-d8	*100*			*75.0-131*		*06/03/2024 18:59*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 18:59*	WG2297589
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*06/03/2024 18:59*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	46.7	J	44.1	240	50	06/05/2024 02:54	WG2298254
C22-C32 Hydrocarbons	421		79.8	240	50	06/05/2024 02:54	WG2298254
C32-C40 Hydrocarbons	415		79.8	240	50	06/05/2024 02:54	WG2298254
(S) o-Terphenyl	*77.0*	J7		*18.0-148*		*06/05/2024 02:54*	WG2298254

Sample Narrative:

L1740925-16 WG2298254: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0130	0.0800	2	06/06/2024 20:12	WG2299140
Acenaphthylene	0.0155	J	0.0113	0.0800	2	06/06/2024 20:12	WG2299140
Anthracene	0.0315	J	0.0143	0.0800	2	06/06/2024 20:12	WG2299140
Benzidine	U		0.150	4.01	2	06/06/2024 20:12	WG2299140
Benzo(a)anthracene	0.102		0.0140	0.0800	2	06/06/2024 20:12	WG2299140
Benzo(b)fluoranthene	0.196		0.0149	0.0800	2	06/06/2024 20:12	WG2299140
Benzo(k)fluoranthene	0.0570	J	0.0142	0.0800	2	06/06/2024 20:12	WG2299140
Benzo(g,h,i)perylene	0.0933		0.0146	0.0800	2	06/06/2024 20:12	WG2299140
Benzo(a)pyrene	0.119		0.0149	0.0800	2	06/06/2024 20:12	WG2299140
Bis(2-chlorethoxy)methane	U		0.0240	0.800	2	06/06/2024 20:12	WG2299140
Bis(2-chloroethyl)ether	U		0.0264	0.800	2	06/06/2024 20:12	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0346	0.800	2	06/06/2024 20:12	WG2299140
4-Bromophenyl-phenylether	U		0.0281	0.800	2	06/06/2024 20:12	WG2299140
2-Chloronaphthalene	U		0.0140	0.0800	2	06/06/2024 20:12	WG2299140
4-Chlorophenyl-phenylether	U		0.0279	0.800	2	06/06/2024 20:12	WG2299140
Chrysene	0.144		0.0158	0.0800	2	06/06/2024 20:12	WG2299140
Dibenz(a,h)anthracene	0.0241	J	0.0222	0.0800	2	06/06/2024 20:12	WG2299140
1,2-Dichlorobenzene	U		0.0237	0.800	2	06/06/2024 20:12	WG2299140
1,3-Dichlorobenzene	U		0.0243	0.800	2	06/06/2024 20:12	WG2299140
1,4-Dichlorobenzene	U		0.0238	0.800	2	06/06/2024 20:12	WG2299140
3,3-Dichlorobenzidine	U		0.0295	0.800	2	06/06/2024 20:12	WG2299140
2,4-Dinitrotoluene	U		0.0229	0.800	2	06/06/2024 20:12	WG2299140
2,6-Dinitrotoluene	U		0.0262	0.800	2	06/06/2024 20:12	WG2299140
Fluoranthene	0.244		0.0144	0.0800	2	06/06/2024 20:12	WG2299140
Fluorene	0.0192	J	0.0130	0.0800	2	06/06/2024 20:12	WG2299140
Hexachlorobenzene	U		0.0283	0.800	2	06/06/2024 20:12	WG2299140
Hexachloro-1,3-butadiene	U		0.0269	0.800	2	06/06/2024 20:12	WG2299140
Hexachlorocyclopentadiene	U		0.0420	0.800	2	06/06/2024 20:12	WG2299140
Hexachloroethane	U		0.0315	0.800	2	06/06/2024 20:12	WG2299140
Indeno(1,2,3-cd)pyrene	0.0878		0.0226	0.0800	2	06/06/2024 20:12	WG2299140
Isophorone	U		0.0245	0.800	2	06/06/2024 20:12	WG2299140
Naphthalene	0.0211	J	0.0201	0.0800	2	06/06/2024 20:12	WG2299140
Nitrobenzene	U		0.0279	0.800	2	06/06/2024 20:12	WG2299140
n-Nitrosodimethylamine	U		0.119	0.800	2	06/06/2024 20:12	WG2299140
n-Nitrosodiphenylamine	U		0.0605	0.800	2	06/06/2024 20:12	WG2299140
n-Nitrosodi-n-propylamine	U		0.0267	0.800	2	06/06/2024 20:12	WG2299140
Phenanthrene	0.162		0.0158	0.0800	2	06/06/2024 20:12	WG2299140
Benzylbutyl phthalate	U		0.0250	0.800	2	06/06/2024 20:12	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.101	0.800	2	06/06/2024 20:12	WG2299140
Di-n-butyl phthalate	0.0538	J	0.0274	0.800	2	06/06/2024 20:12	WG2299140
Diethyl phthalate	U		0.0264	0.800	2	06/06/2024 20:12	WG2299140
Dimethyl phthalate	U		0.169	0.800	2	06/06/2024 20:12	WG2299140
Di-n-octyl phthalate	U		0.0540	0.800	2	06/06/2024 20:12	WG2299140
Pyrene	0.229		0.0156	0.0800	2	06/06/2024 20:12	WG2299140
1,2,4-Trichlorobenzene	U		0.0250	0.800	2	06/06/2024 20:12	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0259	0.800	2	06/06/2024 20:12	WG2299140
2-Chlorophenol	U		0.0264	0.800	2	06/06/2024 20:12	WG2299140
2,4-Dichlorophenol	U		0.0233	0.800	2	06/06/2024 20:12	WG2299140
2,4-Dimethylphenol	U		0.0209	0.800	2	06/06/2024 20:12	WG2299140
4,6-Dinitro-2-methylphenol	U		0.181	0.800	2	06/06/2024 20:12	WG2299140
2,4-Dinitrophenol	U		0.187	0.800	2	06/06/2024 20:12	WG2299140
2-Nitrophenol	U		0.0286	0.800	2	06/06/2024 20:12	WG2299140
4-Nitrophenol	U		0.0250	0.800	2	06/06/2024 20:12	WG2299140
Pentachlorophenol	U		0.0215	0.800	2	06/06/2024 20:12	WG2299140
Phenol	U		0.0322	0.800	2	06/06/2024 20:12	WG2299140
2,4,6-Trichlorophenol	U		0.0257	0.800	2	06/06/2024 20:12	WG2299140
(S) 2-Fluorophenol	*71.2*			*12.0-120*		*06/06/2024 20:12*	WG2299140
(S) Phenol-d5	*62.9*			*10.0-120*		*06/06/2024 20:12*	WG2299140
(S) Nitrobenzene-d5	*62.1*			*10.0-122*		*06/06/2024 20:12*	WG2299140
(S) 2-Fluorobiphenyl	*62.7*			*15.0-120*		*06/06/2024 20:12*	WG2299140
(S) 2,4,6-Tribromophenol	*69.2*			*10.0-127*		*06/06/2024 20:12*	WG2299140
(S) p-Terphenyl-d14	*65.7*			*10.0-120*		*06/06/2024 20:12*	WG2299140

Sample Narrative:

L1740925-16 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	06/07/2024 12:45	WG2300491

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0889		0.0215	0.0478	1	06/09/2024 17:34	WG2300577

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.99		0.650	2.39	1	06/13/2024 18:24	WG2300670
Arsenic	6.39	B	0.619	2.39	1	06/13/2024 18:24	WG2300670
Barium	231		0.102	0.598	1	06/13/2024 18:24	WG2300670
Beryllium	0.605		0.0377	0.239	1	06/13/2024 18:24	WG2300670
Cadmium	0.130	J	0.0563	0.598	1	06/13/2024 18:24	WG2300670
Chromium	65.2		0.159	1.20	1	06/13/2024 18:24	WG2300670
Cobalt	10.2		0.0969	1.20	1	06/13/2024 18:24	WG2300670
Copper	26.2		0.478	2.39	1	06/13/2024 18:24	WG2300670
Lead	26.0		0.249	0.598	1	06/13/2024 18:24	WG2300670
Molybdenum	0.270	J	0.130	0.598	1	06/13/2024 18:24	WG2300670
Nickel	65.5		0.158	2.39	1	06/13/2024 18:24	WG2300670
Selenium	U		0.913	2.39	1	06/13/2024 18:24	WG2300670
Silver	U		0.152	1.20	1	06/13/2024 18:24	WG2300670
Thallium	U		0.471	2.39	1	06/13/2024 18:24	WG2300670
Vanadium	69.7		0.605	2.39	1	06/13/2024 18:24	WG2300670
Zinc	70.2		0.995	5.98	1	06/13/2024 18:24	WG2300670

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	05/31/2024 07:03	WG2296010

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.64	B J	0.966	2.91	25	06/02/2024 19:43	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*06/02/2024 19:43*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0425	0.0582	1	06/03/2024 19:18	WG2297589
Acrylonitrile	U		0.00420	0.0146	1	06/03/2024 19:18	WG2297589
Benzene	U		0.000544	0.00116	1	06/03/2024 19:18	WG2297589
Bromobenzene	U		0.00105	0.0146	1	06/03/2024 19:18	WG2297589
Bromodichloromethane	U		0.000844	0.00291	1	06/03/2024 19:18	WG2297589
Bromoform	U		0.00136	0.0291	1	06/03/2024 19:18	WG2297589
Bromomethane	U		0.00229	0.0146	1	06/03/2024 19:18	WG2297589
n-Butylbenzene	U		0.00611	0.0146	1	06/03/2024 19:18	WG2297589
sec-Butylbenzene	U		0.00335	0.0146	1	06/03/2024 19:18	WG2297589
tert-Butylbenzene	U		0.00227	0.00582	1	06/03/2024 19:18	WG2297589
Carbon tetrachloride	U		0.00105	0.00582	1	06/03/2024 19:18	WG2297589
Chlorobenzene	U		0.000245	0.00291	1	06/03/2024 19:18	WG2297589
Chlorodibromomethane	U		0.000713	0.00291	1	06/03/2024 19:18	WG2297589
Chloroethane	U		0.00198	0.00582	1	06/03/2024 19:18	WG2297589
Chloroform	U		0.00120	0.00291	1	06/03/2024 19:18	WG2297589
Chloromethane	U		0.00506	0.0146	1	06/03/2024 19:18	WG2297589
2-Chlorotoluene	U		0.00101	0.00291	1	06/03/2024 19:18	WG2297589
4-Chlorotoluene	U		0.000524	0.00582	1	06/03/2024 19:18	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00454	0.0291	1	06/03/2024 19:18	WG2297589
1,2-Dibromoethane	U		0.000754	0.00291	1	06/03/2024 19:18	WG2297589
Dibromomethane	U		0.000873	0.00582	1	06/03/2024 19:18	WG2297589
1,2-Dichlorobenzene	U		0.000495	0.00582	1	06/03/2024 19:18	WG2297589
1,3-Dichlorobenzene	U		0.000699	0.00582	1	06/03/2024 19:18	WG2297589
1,4-Dichlorobenzene	U		0.000815	0.00582	1	06/03/2024 19:18	WG2297589
Dichlorodifluoromethane	U		0.00187	0.00582	1	06/03/2024 19:18	WG2297589
1,1-Dichloroethane	U		0.000572	0.00291	1	06/03/2024 19:18	WG2297589
1,2-Dichloroethane	U		0.000756	0.00291	1	06/03/2024 19:18	WG2297589
1,1-Dichloroethene	U		0.000706	0.00291	1	06/03/2024 19:18	WG2297589
cis-1,2-Dichloroethene	U		0.000855	0.00291	1	06/03/2024 19:18	WG2297589
trans-1,2-Dichloroethene	U		0.00121	0.00582	1	06/03/2024 19:18	WG2297589
1,2-Dichloropropane	U		0.00165	0.00582	1	06/03/2024 19:18	WG2297589
1,1-Dichloropropene	U		0.000942	0.00291	1	06/03/2024 19:18	WG2297589
1,3-Dichloropropane	U		0.000583	0.00582	1	06/03/2024 19:18	WG2297589
cis-1,3-Dichloropropene	U		0.000881	0.00291	1	06/03/2024 19:18	WG2297589
trans-1,3-Dichloropropene	U		0.00133	0.00582	1	06/03/2024 19:18	WG2297589
2,2-Dichloropropane	U		0.00161	0.00291	1	06/03/2024 19:18	WG2297589
Di-isopropyl ether	U		0.000477	0.00116	1	06/03/2024 19:18	WG2297589
Ethylbenzene	U		0.000858	0.00291	1	06/03/2024 19:18	WG2297589
Hexachloro-1,3-butadiene	U		0.00699	0.0291	1	06/03/2024 19:18	WG2297589
Isopropylbenzene	U		0.000495	0.00291	1	06/03/2024 19:18	WG2297589
p-Isopropyltoluene	U		0.00297	0.00582	1	06/03/2024 19:18	WG2297589
2-Butanone (MEK)	U		0.0739	0.116	1	06/03/2024 19:18	WG2297589
Methylene Chloride	U		0.00773	0.0291	1	06/03/2024 19:18	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00265	0.0291	1	06/03/2024 19:18	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000408	0.00116	1	06/03/2024 19:18	WG2297589
Naphthalene	U		0.00568	0.0146	1	06/03/2024 19:18	WG2297589
n-Propylbenzene	U		0.00111	0.00582	1	06/03/2024 19:18	WG2297589
Styrene	U		0.000267	0.0146	1	06/03/2024 19:18	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00110	0.00291	1	06/03/2024 19:18	WG2297589
1,1,2,2-Tetrachloroethane	U		0.000809	0.00291	1	06/03/2024 19:18	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.000878	0.00291	1	06/03/2024 19:18	WG2297589
Tetrachloroethene	U		0.00104	0.00291	1	06/03/2024 19:18	WG2297589
Toluene	U		0.00151	0.00582	1	06/03/2024 19:18	WG2297589
1,2,3-Trichlorobenzene	U		0.00853	0.0146	1	06/03/2024 19:18	WG2297589
1,2,4-Trichlorobenzene	U		0.00512	0.0146	1	06/03/2024 19:18	WG2297589
1,1,1-Trichloroethane	U		0.00107	0.00291	1	06/03/2024 19:18	WG2297589
1,1,2-Trichloroethane	U		0.000695	0.00291	1	06/03/2024 19:18	WG2297589
Trichloroethene	U		0.000680	0.00116	1	06/03/2024 19:18	WG2297589
Trichlorofluoromethane	U		0.000963	0.00291	1	06/03/2024 19:18	WG2297589
1,2,3-Trichloropropane	U		0.00189	0.0146	1	06/03/2024 19:18	WG2297589
1,2,4-Trimethylbenzene	U		0.00184	0.00582	1	06/03/2024 19:18	WG2297589
1,2,3-Trimethylbenzene	U		0.00184	0.00582	1	06/03/2024 19:18	WG2297589
1,3,5-Trimethylbenzene	U		0.00233	0.00582	1	06/03/2024 19:18	WG2297589
Vinyl chloride	U		0.00135	0.00291	1	06/03/2024 19:18	WG2297589
Xylenes, Total	U		0.00102	0.00757	1	06/03/2024 19:18	WG2297589
(S) Toluene-d8	*99.6*			*75.0-131*		*06/03/2024 19:18*	WG2297589
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/03/2024 19:18*	WG2297589
(S) 1,2-Dichloroethane-d4	*93.7*			*70.0-130*		*06/03/2024 19:18*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	16.7	J	7.74	42.2	10	06/05/2024 02:01	WG2298254
C22-C32 Hydrocarbons	69.0		14.0	42.2	10	06/05/2024 02:01	WG2298254
C32-C40 Hydrocarbons	59.6		14.0	42.2	10	06/05/2024 02:01	WG2298254
(S) o-Terphenyl	*69.1*			*18.0-148*		*06/05/2024 02:01*	WG2298254

Sample Narrative:

L1740925-18 WG2298254: Cannot run at lower dilution due to viscosity of extract

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	11.3	50.0	1	06/03/2024 19:42	WG2297610
Acrolein	U		2.54	50.0	1	06/03/2024 19:42	WG2297610
Acrylonitrile	U		0.671	10.0	1	06/03/2024 19:42	WG2297610
Benzene	U		0.0941	1.00	1	06/03/2024 19:42	WG2297610
Bromobenzene	U		0.118	1.00	1	06/03/2024 19:42	WG2297610
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 19:42	WG2297610
Bromoform	U		0.129	1.00	1	06/03/2024 19:42	WG2297610
Bromomethane	U		0.605	5.00	1	06/03/2024 19:42	WG2297610
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 19:42	WG2297610
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 19:42	WG2297610
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 19:42	WG2297610
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 19:42	WG2297610
Chlorobenzene	U		0.116	1.00	1	06/03/2024 19:42	WG2297610
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 19:42	WG2297610
Chloroethane	U	J3	0.192	5.00	1	06/03/2024 19:42	WG2297610
Chloroform	U		0.111	5.00	1	06/03/2024 19:42	WG2297610
Chloromethane	U		0.960	2.50	1	06/03/2024 19:42	WG2297610
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 19:42	WG2297610
4-Chlorotoluene	U		0.114	1.00	1	06/03/2024 19:42	WG2297610
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 19:42	WG2297610
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 19:42	WG2297610
Dibromomethane	U		0.122	1.00	1	06/03/2024 19:42	WG2297610
1,2-Dichlorobenzene	U		0.107	1.00	1	06/03/2024 19:42	WG2297610
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 19:42	WG2297610
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 19:42	WG2297610
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 19:42	WG2297610
1,1-Dichloroethane	U		0.100	1.00	1	06/03/2024 19:42	WG2297610
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 19:42	WG2297610
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 19:42	WG2297610
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/03/2024 19:42	WG2297610
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/03/2024 19:42	WG2297610
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 19:42	WG2297610
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 19:42	WG2297610
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 19:42	WG2297610
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 19:42	WG2297610
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 19:42	WG2297610
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 19:42	WG2297610
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 19:42	WG2297610
Ethylbenzene	U		0.137	1.00	1	06/03/2024 19:42	WG2297610
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 19:42	WG2297610
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 19:42	WG2297610
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 19:42	WG2297610
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 19:42	WG2297610
Methylene Chloride	U		0.430	5.00	1	06/03/2024 19:42	WG2297610
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 19:42	WG2297610
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 19:42	WG2297610
Naphthalene	U		1.00	5.00	1	06/03/2024 19:42	WG2297610
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 19:42	WG2297610
Styrene	U		0.118	1.00	1	06/03/2024 19:42	WG2297610
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 19:42	WG2297610
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 19:42	WG2297610
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 19:42	WG2297610
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 19:42	WG2297610
Toluene	U		0.278	1.00	1	06/03/2024 19:42	WG2297610
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 19:42	WG2297610
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 19:42	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 19:42	WG2297610
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 19:42	WG2297610
Trichloroethene	U		0.190	1.00	1	06/03/2024 19:42	WG2297610
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 19:42	WG2297610
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 19:42	WG2297610
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 19:42	WG2297610
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 19:42	WG2297610
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 19:42	WG2297610
Vinyl chloride	U		0.234	1.00	1	06/03/2024 19:42	WG2297610
Xylenes, Total	U		0.174	3.00	1	06/03/2024 19:42	WG2297610
(S) Toluene-d8	*105*			*80.0-120*		*06/03/2024 19:42*	WG2297610
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/03/2024 19:42*	WG2297610
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/03/2024 19:42*	WG2297610

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	05/31/2024 07:03	WG2296010

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0838		0.0211	0.0468	1	05/31/2024 14:31	WG2295946

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.50		0.637	2.34	1	06/05/2024 11:47	WG2297398
Arsenic	3.78		0.606	2.34	1	06/05/2024 11:47	WG2297398
Barium	115		0.0997	0.585	1	06/05/2024 11:47	WG2297398
Beryllium	0.293		0.0369	0.234	1	06/05/2024 11:47	WG2297398
Cadmium	0.128	J	0.0551	0.585	1	06/05/2024 11:47	WG2297398
Chromium	45.5		0.156	1.17	1	06/05/2024 11:47	WG2297398
Cobalt	11.6		0.0949	1.17	1	06/05/2024 11:47	WG2297398
Copper	51.2		0.468	2.34	1	06/05/2024 11:47	WG2297398
Lead	83.9		0.243	0.585	1	06/05/2024 11:47	WG2297398
Molybdenum	1.08		0.128	0.585	1	06/05/2024 11:47	WG2297398
Nickel	37.7		0.154	2.34	1	06/05/2024 11:47	WG2297398
Selenium	U		0.894	2.34	1	06/05/2024 11:47	WG2297398
Silver	U		0.149	1.17	1	06/05/2024 11:47	WG2297398
Thallium	U		0.461	2.34	1	06/05/2024 11:47	WG2297398
Vanadium	66.8		0.592	2.34	1	06/05/2024 11:47	WG2297398
Zinc	74.7		0.974	5.85	1	06/05/2024 11:47	WG2297398

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0138	0.0398	1	06/03/2024 21:11	WG2297376
PCB 1221	U		0.0138	0.0398	1	06/03/2024 21:11	WG2297376
PCB 1232	U		0.0138	0.0398	1	06/03/2024 21:11	WG2297376
PCB 1242	U		0.0138	0.0398	1	06/03/2024 21:11	WG2297376
PCB 1248	U		0.00864	0.0199	1	06/03/2024 21:11	WG2297376
PCB 1254	U		0.00864	0.0199	1	06/03/2024 21:11	WG2297376
PCB 1260	U		0.00864	0.0199	1	06/03/2024 21:11	WG2297376
(S) Decachlorobiphenyl	*72.3*			*10.0-135*		*06/03/2024 21:11*	WG2297376
(S) Tetrachloro-m-xylene	*65.8*			*10.0-139*		*06/03/2024 21:11*	WG2297376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0126	0.0779	2	06/06/2024 20:32	WG2299140
Acenaphthylene	0.0122	J	0.0110	0.0779	2	06/06/2024 20:32	WG2299140
Anthracene	U		0.0139	0.0779	2	06/06/2024 20:32	WG2299140
Benzidine	U		0.146	3.91	2	06/06/2024 20:32	WG2299140
Benzo(a)anthracene	0.118		0.0137	0.0779	2	06/06/2024 20:32	WG2299140
Benzo(b)fluoranthene	0.249		0.0145	0.0779	2	06/06/2024 20:32	WG2299140
Benzo(k)fluoranthene	0.0751	J	0.0138	0.0779	2	06/06/2024 20:32	WG2299140
Benzo(g,h,i)perylene	0.151		0.0143	0.0779	2	06/06/2024 20:32	WG2299140
Benzo(a)pyrene	0.198		0.0145	0.0779	2	06/06/2024 20:32	WG2299140
Bis(2-chlorethoxy)methane	U		0.0234	0.779	2	06/06/2024 20:32	WG2299140
Bis(2-chloroethyl)ether	U		0.0257	0.779	2	06/06/2024 20:32	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0337	0.779	2	06/06/2024 20:32	WG2299140
4-Bromophenyl-phenylether	U		0.0274	0.779	2	06/06/2024 20:32	WG2299140
2-Chloronaphthalene	U		0.0137	0.0779	2	06/06/2024 20:32	WG2299140
4-Chlorophenyl-phenylether	U		0.0272	0.779	2	06/06/2024 20:32	WG2299140
Chrysene	0.166		0.0154	0.0779	2	06/06/2024 20:32	WG2299140
Dibenz(a,h)anthracene	0.0445	J	0.0217	0.0779	2	06/06/2024 20:32	WG2299140
1,2-Dichlorobenzene	U		0.0231	0.779	2	06/06/2024 20:32	WG2299140
1,3-Dichlorobenzene	U		0.0236	0.779	2	06/06/2024 20:32	WG2299140
1,4-Dichlorobenzene	U		0.0232	0.779	2	06/06/2024 20:32	WG2299140
3,3-Dichlorobenzidine	U		0.0288	0.779	2	06/06/2024 20:32	WG2299140
2,4-Dinitrotoluene	U		0.0224	0.779	2	06/06/2024 20:32	WG2299140
2,6-Dinitrotoluene	U		0.0255	0.779	2	06/06/2024 20:32	WG2299140
Fluoranthene	0.133		0.0140	0.0779	2	06/06/2024 20:32	WG2299140
Fluorene	U		0.0126	0.0779	2	06/06/2024 20:32	WG2299140
Hexachlorobenzene	U		0.0276	0.779	2	06/06/2024 20:32	WG2299140
Hexachloro-1,3-butadiene	U		0.0262	0.779	2	06/06/2024 20:32	WG2299140
Hexachlorocyclopentadiene	U		0.0410	0.779	2	06/06/2024 20:32	WG2299140
Hexachloroethane	U		0.0307	0.779	2	06/06/2024 20:32	WG2299140
Indeno(1,2,3-cd)pyrene	0.153		0.0220	0.0779	2	06/06/2024 20:32	WG2299140
Isophorone	U		0.0239	0.779	2	06/06/2024 20:32	WG2299140
Naphthalene	U		0.0195	0.0779	2	06/06/2024 20:32	WG2299140
Nitrobenzene	U		0.0272	0.779	2	06/06/2024 20:32	WG2299140
n-Nitrosodimethylamine	U		0.116	0.779	2	06/06/2024 20:32	WG2299140
n-Nitrosodiphenylamine	U		0.0590	0.779	2	06/06/2024 20:32	WG2299140
n-Nitrosodi-n-propylamine	U		0.0260	0.779	2	06/06/2024 20:32	WG2299140
Phenanthrene	0.0495	J	0.0154	0.0779	2	06/06/2024 20:32	WG2299140
Benzylbutyl phthalate	U		0.0243	0.779	2	06/06/2024 20:32	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.0988	0.779	2	06/06/2024 20:32	WG2299140
Di-n-butyl phthalate	U		0.0267	0.779	2	06/06/2024 20:32	WG2299140
Diethyl phthalate	U		0.0257	0.779	2	06/06/2024 20:32	WG2299140
Dimethyl phthalate	U		0.165	0.779	2	06/06/2024 20:32	WG2299140
Di-n-octyl phthalate	U		0.0527	0.779	2	06/06/2024 20:32	WG2299140
Pyrene	0.138		0.0152	0.0779	2	06/06/2024 20:32	WG2299140
1,2,4-Trichlorobenzene	U		0.0243	0.779	2	06/06/2024 20:32	WG2299140
4-Chloro-3-methylphenol	U		0.0253	0.779	2	06/06/2024 20:32	WG2299140
2-Chlorophenol	U		0.0257	0.779	2	06/06/2024 20:32	WG2299140
2,4-Dichlorophenol	U		0.0227	0.779	2	06/06/2024 20:32	WG2299140
2,4-Dimethylphenol	U		0.0204	0.779	2	06/06/2024 20:32	WG2299140
4,6-Dinitro-2-methylphenol	U		0.177	0.779	2	06/06/2024 20:32	WG2299140
2,4-Dinitrophenol	U		0.183	0.779	2	06/06/2024 20:32	WG2299140
2-Nitrophenol	U		0.0279	0.779	2	06/06/2024 20:32	WG2299140
4-Nitrophenol	U		0.0243	0.779	2	06/06/2024 20:32	WG2299140
Pentachlorophenol	U		0.0210	0.779	2	06/06/2024 20:32	WG2299140
Phenol	U		0.0314	0.779	2	06/06/2024 20:32	WG2299140
2,4,6-Trichlorophenol	U		0.0250	0.779	2	06/06/2024 20:32	WG2299140
(S) 2-Fluorophenol	*69.0*			*12.0-120*		*06/06/2024 20:32*	WG2299140
(S) Phenol-d5	*63.4*			*10.0-120*		*06/06/2024 20:32*	WG2299140
(S) Nitrobenzene-d5	*65.6*			*10.0-122*		*06/06/2024 20:32*	WG2299140
(S) 2-Fluorobiphenyl	*61.6*			*15.0-120*		*06/06/2024 20:32*	WG2299140
(S) 2,4,6-Tribromophenol	*65.6*			*10.0-127*		*06/06/2024 20:32*	WG2299140
(S) p-Terphenyl-d14	*61.6*			*10.0-120*		*06/06/2024 20:32*	WG2299140

Sample Narrative:

L1740925-20 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.4		1	05/31/2024 07:03	WG2296010

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.127		0.0239	0.0531	1	05/31/2024 14:33	WG2295946

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.12		0.722	2.65	1	06/05/2024 11:49	WG2297398
Arsenic	6.51		0.687	2.65	1	06/05/2024 11:49	WG2297398
Barium	178		0.113	0.663	1	06/05/2024 11:49	WG2297398
Beryllium	0.292		0.0418	0.265	1	06/05/2024 11:49	WG2297398
Cadmium	2.10		0.0625	0.663	1	06/05/2024 11:49	WG2297398
Chromium	59.0		0.176	1.33	1	06/05/2024 11:49	WG2297398
Cobalt	19.0		0.108	1.33	1	06/05/2024 11:49	WG2297398
Copper	81.4		0.531	2.65	1	06/05/2024 11:49	WG2297398
Lead	219		0.276	0.663	1	06/05/2024 11:49	WG2297398
Molybdenum	0.622	J	0.145	0.663	1	06/05/2024 11:49	WG2297398
Nickel	85.9		0.175	2.65	1	06/05/2024 11:49	WG2297398
Selenium	U		1.01	2.65	1	06/05/2024 11:49	WG2297398
Silver	U		0.168	1.33	1	06/05/2024 11:49	WG2297398
Thallium	U		0.523	2.65	1	06/05/2024 11:49	WG2297398
Vanadium	66.5		0.671	2.65	1	06/05/2024 11:49	WG2297398
Zinc	1400		1.10	6.63	1	06/05/2024 11:49	WG2297398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0632	0.0865	1	06/03/2024 19:37	WG2297589
Acrylonitrile	U		0.00625	0.0216	1	06/03/2024 19:37	WG2297589
Benzene	U		0.000808	0.00173	1	06/03/2024 19:37	WG2297589
Bromobenzene	U		0.00156	0.0216	1	06/03/2024 19:37	WG2297589
Bromodichloromethane	U		0.00125	0.00433	1	06/03/2024 19:37	WG2297589
Bromoform	U		0.00202	0.0433	1	06/03/2024 19:37	WG2297589
Bromomethane	U		0.00341	0.0216	1	06/03/2024 19:37	WG2297589
n-Butylbenzene	U		0.00908	0.0216	1	06/03/2024 19:37	WG2297589
sec-Butylbenzene	U		0.00498	0.0216	1	06/03/2024 19:37	WG2297589
tert-Butylbenzene	U		0.00337	0.00865	1	06/03/2024 19:37	WG2297589
Carbon tetrachloride	U		0.00155	0.00865	1	06/03/2024 19:37	WG2297589
Chlorobenzene	U		0.000363	0.00433	1	06/03/2024 19:37	WG2297589
Chlorodibromomethane	U		0.00106	0.00433	1	06/03/2024 19:37	WG2297589
Chloroethane	U		0.00294	0.00865	1	06/03/2024 19:37	WG2297589
Chloroform	U		0.00178	0.00433	1	06/03/2024 19:37	WG2297589
Chloromethane	U		0.00753	0.0216	1	06/03/2024 19:37	WG2297589
2-Chlorotoluene	U		0.00150	0.00433	1	06/03/2024 19:37	WG2297589
4-Chlorotoluene	U		0.000779	0.00865	1	06/03/2024 19:37	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00675	0.0433	1	06/03/2024 19:37	WG2297589
1,2-Dibromoethane	U		0.00112	0.00433	1	06/03/2024 19:37	WG2297589
Dibromomethane	U		0.00130	0.00865	1	06/03/2024 19:37	WG2297589
1,2-Dichlorobenzene	U		0.000735	0.00865	1	06/03/2024 19:37	WG2297589
1,3-Dichlorobenzene	U		0.00104	0.00865	1	06/03/2024 19:37	WG2297589
1,4-Dichlorobenzene	U		0.00121	0.00865	1	06/03/2024 19:37	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00279	0.00865	1	06/03/2024 19:37	WG2297589
1,1-Dichloroethane	U		0.000850	0.00433	1	06/03/2024 19:37	WG2297589
1,2-Dichloroethane	U		0.00112	0.00433	1	06/03/2024 19:37	WG2297589
1,1-Dichloroethene	U		0.00105	0.00433	1	06/03/2024 19:37	WG2297589
cis-1,2-Dichloroethene	U		0.00127	0.00433	1	06/03/2024 19:37	WG2297589
trans-1,2-Dichloroethene	U		0.00180	0.00865	1	06/03/2024 19:37	WG2297589
1,2-Dichloropropane	U		0.00246	0.00865	1	06/03/2024 19:37	WG2297589
1,1-Dichloropropene	U		0.00140	0.00433	1	06/03/2024 19:37	WG2297589
1,3-Dichloropropane	U		0.000867	0.00865	1	06/03/2024 19:37	WG2297589
cis-1,3-Dichloropropene	U		0.00131	0.00433	1	06/03/2024 19:37	WG2297589
trans-1,3-Dichloropropene	U		0.00197	0.00865	1	06/03/2024 19:37	WG2297589
2,2-Dichloropropane	U		0.00239	0.00433	1	06/03/2024 19:37	WG2297589
Di-isopropyl ether	U		0.000709	0.00173	1	06/03/2024 19:37	WG2297589
Ethylbenzene	U		0.00128	0.00433	1	06/03/2024 19:37	WG2297589
Hexachloro-1,3-butadiene	U		0.0104	0.0433	1	06/03/2024 19:37	WG2297589
Isopropylbenzene	U		0.000735	0.00433	1	06/03/2024 19:37	WG2297589
p-Isopropyltoluene	U		0.00441	0.00865	1	06/03/2024 19:37	WG2297589
2-Butanone (MEK)	U		0.110	0.173	1	06/03/2024 19:37	WG2297589
Methylene Chloride	U		0.0115	0.0433	1	06/03/2024 19:37	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00395	0.0433	1	06/03/2024 19:37	WG2297589
Methyl tert-butyl ether	U		0.000606	0.00173	1	06/03/2024 19:37	WG2297589
Naphthalene	U		0.00844	0.0216	1	06/03/2024 19:37	WG2297589
n-Propylbenzene	U		0.00164	0.00865	1	06/03/2024 19:37	WG2297589
Styrene	U		0.000396	0.0216	1	06/03/2024 19:37	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00164	0.00433	1	06/03/2024 19:37	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00120	0.00433	1	06/03/2024 19:37	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00433	1	06/03/2024 19:37	WG2297589
Tetrachloroethene	0.0715		0.00155	0.00433	1	06/03/2024 19:37	WG2297589
Toluene	U		0.00225	0.00865	1	06/03/2024 19:37	WG2297589
1,2,3-Trichlorobenzene	U		0.0127	0.0216	1	06/03/2024 19:37	WG2297589
1,2,4-Trichlorobenzene	U		0.00761	0.0216	1	06/03/2024 19:37	WG2297589
1,1,1-Trichloroethane	U		0.00160	0.00433	1	06/03/2024 19:37	WG2297589
1,1,2-Trichloroethane	U		0.00103	0.00433	1	06/03/2024 19:37	WG2297589
Trichloroethene	U		0.00101	0.00173	1	06/03/2024 19:37	WG2297589
Trichlorofluoromethane	U		0.00143	0.00433	1	06/03/2024 19:37	WG2297589
1,2,3-Trichloropropane	U		0.00280	0.0216	1	06/03/2024 19:37	WG2297589
1,2,4-Trimethylbenzene	U		0.00273	0.00865	1	06/03/2024 19:37	WG2297589
1,2,3-Trimethylbenzene	U		0.00273	0.00865	1	06/03/2024 19:37	WG2297589
1,3,5-Trimethylbenzene	U		0.00346	0.00865	1	06/03/2024 19:37	WG2297589
Vinyl chloride	U		0.00201	0.00433	1	06/03/2024 19:37	WG2297589
Xylenes, Total	U		0.00152	0.0112	1	06/03/2024 19:37	WG2297589
(S) Toluene-d8	*101*			*75.0-131*		*06/03/2024 19:37*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 19:37*	WG2297589
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*06/03/2024 19:37*	WG2297589

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0143	0.0883	2	06/06/2024 20:53	WG2299140
Acenaphthylene	U		0.0124	0.0883	2	06/06/2024 20:53	WG2299140
Anthracene	U		0.0158	0.0883	2	06/06/2024 20:53	WG2299140
Benzidine	U		0.166	4.43	2	06/06/2024 20:53	WG2299140
Benzo(a)anthracene	0.111		0.0155	0.0883	2	06/06/2024 20:53	WG2299140
Benzo(b)fluoranthene	0.229		0.0164	0.0883	2	06/06/2024 20:53	WG2299140
Benzo(k)fluoranthene	0.0617	J	0.0157	0.0883	2	06/06/2024 20:53	WG2299140
Benzo(g,h,i)perylene	0.110		0.0162	0.0883	2	06/06/2024 20:53	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.137		0.0164	0.0883	2	06/06/2024 20:53	WG2299140
Bis(2-chlorethoxy)methane	U		0.0265	0.883	2	06/06/2024 20:53	WG2299140
Bis(2-chloroethyl)ether	U		0.0292	0.883	2	06/06/2024 20:53	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0382	0.883	2	06/06/2024 20:53	WG2299140
4-Bromophenyl-phenylether	U		0.0310	0.883	2	06/06/2024 20:53	WG2299140
2-Chloronaphthalene	U		0.0155	0.0883	2	06/06/2024 20:53	WG2299140
4-Chlorophenyl-phenylether	U		0.0308	0.883	2	06/06/2024 20:53	WG2299140
Chrysene	0.195		0.0175	0.0883	2	06/06/2024 20:53	WG2299140
Dibenz(a,h)anthracene	0.0333	J	0.0245	0.0883	2	06/06/2024 20:53	WG2299140
1,2-Dichlorobenzene	U		0.0261	0.883	2	06/06/2024 20:53	WG2299140
1,3-Dichlorobenzene	U		0.0268	0.883	2	06/06/2024 20:53	WG2299140
1,4-Dichlorobenzene	U		0.0263	0.883	2	06/06/2024 20:53	WG2299140
3,3-Dichlorobenzidine	U		0.0326	0.883	2	06/06/2024 20:53	WG2299140
2,4-Dinitrotoluene	U		0.0253	0.883	2	06/06/2024 20:53	WG2299140
2,6-Dinitrotoluene	U		0.0289	0.883	2	06/06/2024 20:53	WG2299140
Fluoranthene	0.131		0.0159	0.0883	2	06/06/2024 20:53	WG2299140
Fluorene	U		0.0143	0.0883	2	06/06/2024 20:53	WG2299140
Hexachlorobenzene	U		0.0313	0.883	2	06/06/2024 20:53	WG2299140
Hexachloro-1,3-butadiene	U		0.0297	0.883	2	06/06/2024 20:53	WG2299140
Hexachlorocyclopentadiene	U		0.0464	0.883	2	06/06/2024 20:53	WG2299140
Hexachloroethane	U		0.0347	0.883	2	06/06/2024 20:53	WG2299140
Indeno(1,2,3-cd)pyrene	0.107		0.0249	0.0883	2	06/06/2024 20:53	WG2299140
Isophorone	U		0.0271	0.883	2	06/06/2024 20:53	WG2299140
Naphthalene	U		0.0221	0.0883	2	06/06/2024 20:53	WG2299140
Nitrobenzene	U		0.0308	0.883	2	06/06/2024 20:53	WG2299140
n-Nitrosodimethylamine	U		0.131	0.883	2	06/06/2024 20:53	WG2299140
n-Nitrosodiphenylamine	U		0.0668	0.883	2	06/06/2024 20:53	WG2299140
n-Nitrosodi-n-propylamine	U		0.0294	0.883	2	06/06/2024 20:53	WG2299140
Phenanthrene	0.0452	J	0.0175	0.0883	2	06/06/2024 20:53	WG2299140
Benzylbutyl phthalate	U		0.0276	0.883	2	06/06/2024 20:53	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.112	0.883	2	06/06/2024 20:53	WG2299140
Di-n-butyl phthalate	U		0.0302	0.883	2	06/06/2024 20:53	WG2299140
Diethyl phthalate	U		0.0292	0.883	2	06/06/2024 20:53	WG2299140
Dimethyl phthalate	U		0.187	0.883	2	06/06/2024 20:53	WG2299140
Di-n-octyl phthalate	U		0.0597	0.883	2	06/06/2024 20:53	WG2299140
Pyrene	0.146		0.0172	0.0883	2	06/06/2024 20:53	WG2299140
1,2,4-Trichlorobenzene	U		0.0276	0.883	2	06/06/2024 20:53	WG2299140
4-Chloro-3-methylphenol	U		0.0286	0.883	2	06/06/2024 20:53	WG2299140
2-Chlorophenol	U		0.0292	0.883	2	06/06/2024 20:53	WG2299140
2,4-Dichlorophenol	U		0.0257	0.883	2	06/06/2024 20:53	WG2299140
2,4-Dimethylphenol	U		0.0231	0.883	2	06/06/2024 20:53	WG2299140
4,6-Dinitro-2-methylphenol	U		0.200	0.883	2	06/06/2024 20:53	WG2299140
2,4-Dinitrophenol	U		0.207	0.883	2	06/06/2024 20:53	WG2299140
2-Nitrophenol	U		0.0316	0.883	2	06/06/2024 20:53	WG2299140
4-Nitrophenol	U		0.0276	0.883	2	06/06/2024 20:53	WG2299140
Pentachlorophenol	U		0.0237	0.883	2	06/06/2024 20:53	WG2299140
Phenol	U		0.0355	0.883	2	06/06/2024 20:53	WG2299140
2,4,6-Trichlorophenol	U		0.0284	0.883	2	06/06/2024 20:53	WG2299140
(S) 2-Fluorophenol	*68.7*			*12.0-120*		*06/06/2024 20:53*	WG2299140
(S) Phenol-d5	*63.4*			*10.0-120*		*06/06/2024 20:53*	WG2299140
(S) Nitrobenzene-d5	*59.3*			*10.0-122*		*06/06/2024 20:53*	WG2299140
(S) 2-Fluorobiphenyl	*63.0*			*15.0-120*		*06/06/2024 20:53*	WG2299140
(S) 2,4,6-Tribromophenol	*64.6*			*10.0-127*		*06/06/2024 20:53*	WG2299140
(S) p-Terphenyl-d14	*62.3*			*10.0-120*		*06/06/2024 20:53*	WG2299140

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1740925-21 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.9		1	05/31/2024 07:03	WG2296010

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.143		0.0240	0.0534	1	05/31/2024 14:40	WG2295946

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	11.4		0.726	2.67	1	06/05/2024 11:51	WG2297398
Arsenic	5.00		0.692	2.67	1	06/05/2024 11:51	WG2297398
Barium	177		0.114	0.668	1	06/05/2024 11:51	WG2297398
Beryllium	0.308		0.0421	0.267	1	06/05/2024 11:51	WG2297398
Cadmium	10.3		0.0629	0.668	1	06/05/2024 11:51	WG2297398
Chromium	93.6		0.178	1.34	1	06/05/2024 11:51	WG2297398
Cobalt	17.5		0.108	1.34	1	06/05/2024 11:51	WG2297398
Copper	256		0.534	2.67	1	06/05/2024 11:51	WG2297398
Lead	194		0.278	0.668	1	06/05/2024 11:51	WG2297398
Molybdenum	0.680		0.146	0.668	1	06/05/2024 11:51	WG2297398
Nickel	88.2		0.176	2.67	1	06/05/2024 11:51	WG2297398
Selenium	U		1.02	2.67	1	06/05/2024 11:51	WG2297398
Silver	U		0.170	1.34	1	06/05/2024 11:51	WG2297398
Thallium	U		0.526	2.67	1	06/05/2024 11:51	WG2297398
Vanadium	96.9		0.676	2.67	1	06/05/2024 11:51	WG2297398
Zinc	1180		1.11	6.68	1	06/05/2024 11:51	WG2297398

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.76	B J	1.43	4.32	25	06/02/2024 20:07	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*77.0-120*		*06/02/2024 20:07*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0630	0.0863	1	06/03/2024 19:56	WG2297589
Acrylonitrile	U		0.00623	0.0216	1	06/03/2024 19:56	WG2297589
Benzene	U		0.000806	0.00173	1	06/03/2024 19:56	WG2297589
Bromobenzene	U		0.00155	0.0216	1	06/03/2024 19:56	WG2297589
Bromodichloromethane	U		0.00125	0.00432	1	06/03/2024 19:56	WG2297589
Bromoform	U		0.00202	0.0432	1	06/03/2024 19:56	WG2297589
Bromomethane	U		0.00340	0.0216	1	06/03/2024 19:56	WG2297589
n-Butylbenzene	U		0.00906	0.0216	1	06/03/2024 19:56	WG2297589
sec-Butylbenzene	U		0.00497	0.0216	1	06/03/2024 19:56	WG2297589
tert-Butylbenzene	U		0.00337	0.00863	1	06/03/2024 19:56	WG2297589
Carbon tetrachloride	U		0.00155	0.00863	1	06/03/2024 19:56	WG2297589
Chlorobenzene	U		0.000362	0.00432	1	06/03/2024 19:56	WG2297589
Chlorodibromomethane	U		0.00106	0.00432	1	06/03/2024 19:56	WG2297589
Chloroethane	U		0.00293	0.00863	1	06/03/2024 19:56	WG2297589
Chloroform	U		0.00178	0.00432	1	06/03/2024 19:56	WG2297589
Chloromethane	U		0.00751	0.0216	1	06/03/2024 19:56	WG2297589
2-Chlorotoluene	U		0.00149	0.00432	1	06/03/2024 19:56	WG2297589
4-Chlorotoluene	U		0.000777	0.00863	1	06/03/2024 19:56	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00673	0.0432	1	06/03/2024 19:56	WG2297589
1,2-Dibromoethane	U		0.00112	0.00432	1	06/03/2024 19:56	WG2297589
Dibromomethane	U		0.00129	0.00863	1	06/03/2024 19:56	WG2297589
1,2-Dichlorobenzene	U		0.000734	0.00863	1	06/03/2024 19:56	WG2297589
1,3-Dichlorobenzene	U		0.00104	0.00863	1	06/03/2024 19:56	WG2297589
1,4-Dichlorobenzene	U		0.00121	0.00863	1	06/03/2024 19:56	WG2297589
Dichlorodifluoromethane	U		0.00278	0.00863	1	06/03/2024 19:56	WG2297589
1,1-Dichloroethane	U		0.000848	0.00432	1	06/03/2024 19:56	WG2297589
1,2-Dichloroethane	U		0.00112	0.00432	1	06/03/2024 19:56	WG2297589
1,1-Dichloroethene	U		0.00105	0.00432	1	06/03/2024 19:56	WG2297589
cis-1,2-Dichloroethene	U		0.00127	0.00432	1	06/03/2024 19:56	WG2297589
trans-1,2-Dichloroethene	U		0.00180	0.00863	1	06/03/2024 19:56	WG2297589
1,2-Dichloropropane	U		0.00245	0.00863	1	06/03/2024 19:56	WG2297589
1,1-Dichloropropene	U		0.00140	0.00432	1	06/03/2024 19:56	WG2297589
1,3-Dichloropropane	U		0.000865	0.00863	1	06/03/2024 19:56	WG2297589
cis-1,3-Dichloropropene	U		0.00131	0.00432	1	06/03/2024 19:56	WG2297589
trans-1,3-Dichloropropene	U		0.00197	0.00863	1	06/03/2024 19:56	WG2297589
2,2-Dichloropropane	U		0.00238	0.00432	1	06/03/2024 19:56	WG2297589
Di-isopropyl ether	U		0.000708	0.00173	1	06/03/2024 19:56	WG2297589
Ethylbenzene	U		0.00127	0.00432	1	06/03/2024 19:56	WG2297589
Hexachloro-1,3-butadiene	U		0.0104	0.0432	1	06/03/2024 19:56	WG2297589
Isopropylbenzene	U		0.000734	0.00432	1	06/03/2024 19:56	WG2297589
p-Isopropyltoluene	U		0.00440	0.00863	1	06/03/2024 19:56	WG2297589
2-Butanone (MEK)	U		0.110	0.173	1	06/03/2024 19:56	WG2297589
Methylene Chloride	U		0.0115	0.0432	1	06/03/2024 19:56	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00394	0.0432	1	06/03/2024 19:56	WG2297589
Methyl tert-butyl ether	U		0.000604	0.00173	1	06/03/2024 19:56	WG2297589
Naphthalene	U		0.00842	0.0216	1	06/03/2024 19:56	WG2297589
n-Propylbenzene	U		0.00164	0.00863	1	06/03/2024 19:56	WG2297589
Styrene	U		0.000395	0.0216	1	06/03/2024 19:56	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00164	0.00432	1	06/03/2024 19:56	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00120	0.00432	1	06/03/2024 19:56	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00432	1	06/03/2024 19:56	WG2297589
Tetrachloroethene	0.0288		0.00155	0.00432	1	06/03/2024 19:56	WG2297589
Toluene	U		0.00224	0.00863	1	06/03/2024 19:56	WG2297589
1,2,3-Trichlorobenzene	U		0.0127	0.0216	1	06/03/2024 19:56	WG2297589
1,2,4-Trichlorobenzene	U		0.00760	0.0216	1	06/03/2024 19:56	WG2297589
1,1,1-Trichloroethane	U		0.00159	0.00432	1	06/03/2024 19:56	WG2297589
1,1,2-Trichloroethane	U		0.00103	0.00432	1	06/03/2024 19:56	WG2297589
Trichloroethene	0.00939		0.00101	0.00173	1	06/03/2024 19:56	WG2297589
Trichlorofluoromethane	U		0.00143	0.00432	1	06/03/2024 19:56	WG2297589
1,2,3-Trichloropropane	U		0.00280	0.0216	1	06/03/2024 19:56	WG2297589
1,2,4-Trimethylbenzene	U		0.00273	0.00863	1	06/03/2024 19:56	WG2297589
1,2,3-Trimethylbenzene	U		0.00273	0.00863	1	06/03/2024 19:56	WG2297589
1,3,5-Trimethylbenzene	U		0.00345	0.00863	1	06/03/2024 19:56	WG2297589
Vinyl chloride	U		0.00200	0.00432	1	06/03/2024 19:56	WG2297589
Xylenes, Total	U		0.00152	0.0112	1	06/03/2024 19:56	WG2297589
(S) Toluene-d8	*99.6*			*75.0-131*		*06/03/2024 19:56*	WG2297589
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/03/2024 19:56*	WG2297589
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*06/03/2024 19:56*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		9.79	53.4	10	06/05/2024 02:28	WG2298254
C22-C32 Hydrocarbons	55.7		17.8	53.4	10	06/05/2024 02:28	WG2298254
C32-C40 Hydrocarbons	84.4		17.8	53.4	10	06/05/2024 02:28	WG2298254
(S) o-Terphenyl	*29.1*			*18.0-148*		*06/05/2024 02:28*	WG2298254

Sample Narrative:

L1740925-22 WG2298254: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0144	0.0889	2	06/06/2024 21:13	WG2299140
Acenaphthylene	0.0194	J	0.0125	0.0889	2	06/06/2024 21:13	WG2299140
Anthracene	0.0219	J	0.0159	0.0889	2	06/06/2024 21:13	WG2299140
Benzidine	U	J3 J6	0.167	4.46	2	06/06/2024 21:13	WG2299140
Benzo(a)anthracene	0.168		0.0156	0.0889	2	06/06/2024 21:13	WG2299140
Benzo(b)fluoranthene	0.304		0.0166	0.0889	2	06/06/2024 21:13	WG2299140
Benzo(k)fluoranthene	0.0940		0.0158	0.0889	2	06/06/2024 21:13	WG2299140
Benzo(g,h,i)perylene	0.158		0.0163	0.0889	2	06/06/2024 21:13	WG2299140
Benzo(a)pyrene	0.211		0.0166	0.0889	2	06/06/2024 21:13	WG2299140
Bis(2-chlorethoxy)methane	U		0.0267	0.889	2	06/06/2024 21:13	WG2299140
Bis(2-chloroethyl)ether	U		0.0294	0.889	2	06/06/2024 21:13	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0385	0.889	2	06/06/2024 21:13	WG2299140
4-Bromophenyl-phenylether	U		0.0312	0.889	2	06/06/2024 21:13	WG2299140
2-Chloronaphthalene	U		0.0156	0.0889	2	06/06/2024 21:13	WG2299140
4-Chlorophenyl-phenylether	U		0.0310	0.889	2	06/06/2024 21:13	WG2299140
Chrysene	0.260		0.0176	0.0889	2	06/06/2024 21:13	WG2299140
Dibenz(a,h)anthracene	0.0447	J	0.0247	0.0889	2	06/06/2024 21:13	WG2299140
1,2-Dichlorobenzene	U		0.0263	0.889	2	06/06/2024 21:13	WG2299140
1,3-Dichlorobenzene	U		0.0270	0.889	2	06/06/2024 21:13	WG2299140
1,4-Dichlorobenzene	U		0.0264	0.889	2	06/06/2024 21:13	WG2299140
3,3-Dichlorobenzidine	U		0.0329	0.889	2	06/06/2024 21:13	WG2299140
2,4-Dinitrotoluene	U		0.0255	0.889	2	06/06/2024 21:13	WG2299140
2,6-Dinitrotoluene	U		0.0291	0.889	2	06/06/2024 21:13	WG2299140
Fluoranthene	0.219		0.0160	0.0889	2	06/06/2024 21:13	WG2299140
Fluorene	U		0.0144	0.0889	2	06/06/2024 21:13	WG2299140
Hexachlorobenzene	U		0.0315	0.889	2	06/06/2024 21:13	WG2299140
Hexachloro-1,3-butadiene	U		0.0299	0.889	2	06/06/2024 21:13	WG2299140
Hexachlorocyclopentadiene	U	J6	0.0467	0.889	2	06/06/2024 21:13	WG2299140
Hexachloroethane	U		0.0350	0.889	2	06/06/2024 21:13	WG2299140
Indeno(1,2,3-cd)pyrene	0.159		0.0251	0.0889	2	06/06/2024 21:13	WG2299140
Isophorone	U		0.0272	0.889	2	06/06/2024 21:13	WG2299140
Naphthalene	U		0.0223	0.0889	2	06/06/2024 21:13	WG2299140
Nitrobenzene	U		0.0310	0.889	2	06/06/2024 21:13	WG2299140
n-Nitrosodimethylamine	U		0.132	0.889	2	06/06/2024 21:13	WG2299140
n-Nitrosodiphenylamine	U		0.0673	0.889	2	06/06/2024 21:13	WG2299140
n-Nitrosodi-n-propylamine	U		0.0296	0.889	2	06/06/2024 21:13	WG2299140
Phenanthrene	0.0714	J	0.0176	0.0889	2	06/06/2024 21:13	WG2299140
Benzylbutyl phthalate	U		0.0278	0.889	2	06/06/2024 21:13	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.113	0.889	2	06/06/2024 21:13	WG2299140
Di-n-butyl phthalate	U		0.0304	0.889	2	06/06/2024 21:13	WG2299140
Diethyl phthalate	U		0.0294	0.889	2	06/06/2024 21:13	WG2299140
Dimethyl phthalate	U		0.188	0.889	2	06/06/2024 21:13	WG2299140
Di-n-octyl phthalate	U		0.0601	0.889	2	06/06/2024 21:13	WG2299140
Pyrene	0.235		0.0174	0.0889	2	06/06/2024 21:13	WG2299140
1,2,4-Trichlorobenzene	U		0.0278	0.889	2	06/06/2024 21:13	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0288	0.889	2	06/06/2024 21:13	WG2299140
2-Chlorophenol	U		0.0294	0.889	2	06/06/2024 21:13	WG2299140
2,4-Dichlorophenol	U		0.0259	0.889	2	06/06/2024 21:13	WG2299140
2,4-Dimethylphenol	U		0.0232	0.889	2	06/06/2024 21:13	WG2299140
4,6-Dinitro-2-methylphenol	U		0.202	0.889	2	06/06/2024 21:13	WG2299140
2,4-Dinitrophenol	U		0.208	0.889	2	06/06/2024 21:13	WG2299140
2-Nitrophenol	U		0.0318	0.889	2	06/06/2024 21:13	WG2299140
4-Nitrophenol	U		0.0278	0.889	2	06/06/2024 21:13	WG2299140
Pentachlorophenol	U		0.0239	0.889	2	06/06/2024 21:13	WG2299140
Phenol	U		0.0358	0.889	2	06/06/2024 21:13	WG2299140
2,4,6-Trichlorophenol	U		0.0286	0.889	2	06/06/2024 21:13	WG2299140
(S) 2-Fluorophenol	*71.3*			*12.0-120*		*06/06/2024 21:13*	WG2299140
(S) Phenol-d5	*62.8*			*10.0-120*		*06/06/2024 21:13*	WG2299140
(S) Nitrobenzene-d5	*62.7*			*10.0-122*		*06/06/2024 21:13*	WG2299140
(S) 2-Fluorobiphenyl	*65.1*			*15.0-120*		*06/06/2024 21:13*	WG2299140
(S) 2,4,6-Tribromophenol	*64.5*			*10.0-127*		*06/06/2024 21:13*	WG2299140
(S) p-Terphenyl-d14	*62.0*			*10.0-120*		*06/06/2024 21:13*	WG2299140

Sample Narrative:

L1740925-22 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	06/26/2024 13:44	WG2311827

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	46.8		0.284	0.684	1	06/27/2024 20:17	WG2313442
Nickel	55.1		0.181	2.74	1	06/27/2024 20:17	WG2313442

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.6		1	05/31/2024 07:03	WG2296010

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.77	B J	1.43	4.30	25	06/02/2024 20:30	WG2297113
(S) a,a,a-Trifluorotoluene(FID)	*91.2*			*77.0-120*		*06/02/2024 20:30*	WG2297113

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0628	0.0861	1	06/03/2024 20:15	WG2297589
Acrylonitrile	U		0.00621	0.0215	1	06/03/2024 20:15	WG2297589
Benzene	U		0.000804	0.00172	1	06/03/2024 20:15	WG2297589
Bromobenzene	U		0.00155	0.0215	1	06/03/2024 20:15	WG2297589
Bromodichloromethane	U		0.00125	0.00430	1	06/03/2024 20:15	WG2297589
Bromoform	U		0.00201	0.0430	1	06/03/2024 20:15	WG2297589
Bromomethane	U		0.00339	0.0215	1	06/03/2024 20:15	WG2297589
n-Butylbenzene	U		0.00904	0.0215	1	06/03/2024 20:15	WG2297589
sec-Butylbenzene	U		0.00496	0.0215	1	06/03/2024 20:15	WG2297589
tert-Butylbenzene	U		0.00336	0.00861	1	06/03/2024 20:15	WG2297589
Carbon tetrachloride	U		0.00155	0.00861	1	06/03/2024 20:15	WG2297589
Chlorobenzene	U		0.000361	0.00430	1	06/03/2024 20:15	WG2297589
Chlorodibromomethane	U		0.00105	0.00430	1	06/03/2024 20:15	WG2297589
Chloroethane	U		0.00293	0.00861	1	06/03/2024 20:15	WG2297589
Chloroform	U		0.00177	0.00430	1	06/03/2024 20:15	WG2297589
Chloromethane	U		0.00749	0.0215	1	06/03/2024 20:15	WG2297589
2-Chlorotoluene	U		0.00149	0.00430	1	06/03/2024 20:15	WG2297589
4-Chlorotoluene	U		0.000775	0.00861	1	06/03/2024 20:15	WG2297589
1,2-Dibromo-3-Chloropropane	U		0.00671	0.0430	1	06/03/2024 20:15	WG2297589
1,2-Dibromoethane	U		0.00112	0.00430	1	06/03/2024 20:15	WG2297589
Dibromomethane	U		0.00129	0.00861	1	06/03/2024 20:15	WG2297589
1,2-Dichlorobenzene	U		0.000731	0.00861	1	06/03/2024 20:15	WG2297589
1,3-Dichlorobenzene	U		0.00103	0.00861	1	06/03/2024 20:15	WG2297589
1,4-Dichlorobenzene	U		0.00120	0.00861	1	06/03/2024 20:15	WG2297589
Dichlorodifluoromethane	U		0.00277	0.00861	1	06/03/2024 20:15	WG2297589
1,1-Dichloroethane	U		0.000845	0.00430	1	06/03/2024 20:15	WG2297589
1,2-Dichloroethane	U		0.00112	0.00430	1	06/03/2024 20:15	WG2297589
1,1-Dichloroethene	U		0.00104	0.00430	1	06/03/2024 20:15	WG2297589
cis-1,2-Dichloroethene	0.00282	J	0.00126	0.00430	1	06/03/2024 20:15	WG2297589
trans-1,2-Dichloroethene	U		0.00179	0.00861	1	06/03/2024 20:15	WG2297589
1,2-Dichloropropane	U		0.00244	0.00861	1	06/03/2024 20:15	WG2297589
1,1-Dichloropropene	U		0.00139	0.00430	1	06/03/2024 20:15	WG2297589
1,3-Dichloropropane	U		0.000862	0.00861	1	06/03/2024 20:15	WG2297589
cis-1,3-Dichloropropene	U		0.00130	0.00430	1	06/03/2024 20:15	WG2297589
trans-1,3-Dichloropropene	U		0.00196	0.00861	1	06/03/2024 20:15	WG2297589
2,2-Dichloropropane	U		0.00238	0.00430	1	06/03/2024 20:15	WG2297589
Di-isopropyl ether	U		0.000706	0.00172	1	06/03/2024 20:15	WG2297589
Ethylbenzene	U		0.00127	0.00430	1	06/03/2024 20:15	WG2297589
Hexachloro-1,3-butadiene	U		0.0103	0.0430	1	06/03/2024 20:15	WG2297589
Isopropylbenzene	U		0.000731	0.00430	1	06/03/2024 20:15	WG2297589
p-Isopropyltoluene	U		0.00439	0.00861	1	06/03/2024 20:15	WG2297589
2-Butanone (MEK)	U		0.109	0.172	1	06/03/2024 20:15	WG2297589
Methylene Chloride	U		0.0114	0.0430	1	06/03/2024 20:15	WG2297589
4-Methyl-2-pentanone (MIBK)	U		0.00392	0.0430	1	06/03/2024 20:15	WG2297589

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000602	0.00172	1	06/03/2024 20:15	WG2297589
Naphthalene	U		0.00840	0.0215	1	06/03/2024 20:15	WG2297589
n-Propylbenzene	U		0.00164	0.00861	1	06/03/2024 20:15	WG2297589
Styrene	U		0.000394	0.0215	1	06/03/2024 20:15	WG2297589
1,1,1,2-Tetrachloroethane	U		0.00163	0.00430	1	06/03/2024 20:15	WG2297589
1,1,2,2-Tetrachloroethane	U		0.00120	0.00430	1	06/03/2024 20:15	WG2297589
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00430	1	06/03/2024 20:15	WG2297589
Tetrachloroethene	U		0.00154	0.00430	1	06/03/2024 20:15	WG2297589
Toluene	U		0.00224	0.00861	1	06/03/2024 20:15	WG2297589
1,2,3-Trichlorobenzene	U		0.0126	0.0215	1	06/03/2024 20:15	WG2297589
1,2,4-Trichlorobenzene	U		0.00757	0.0215	1	06/03/2024 20:15	WG2297589
1,1,1-Trichloroethane	U		0.00159	0.00430	1	06/03/2024 20:15	WG2297589
1,1,2-Trichloroethane	U		0.00103	0.00430	1	06/03/2024 20:15	WG2297589
Trichloroethene	U		0.00101	0.00172	1	06/03/2024 20:15	WG2297589
Trichlorofluoromethane	U		0.00142	0.00430	1	06/03/2024 20:15	WG2297589
1,2,3-Trichloropropane	U		0.00279	0.0215	1	06/03/2024 20:15	WG2297589
1,2,4-Trimethylbenzene	U		0.00272	0.00861	1	06/03/2024 20:15	WG2297589
1,2,3-Trimethylbenzene	U		0.00272	0.00861	1	06/03/2024 20:15	WG2297589
1,3,5-Trimethylbenzene	U		0.00344	0.00861	1	06/03/2024 20:15	WG2297589
Vinyl chloride	U		0.00200	0.00430	1	06/03/2024 20:15	WG2297589
Xylenes, Total	U		0.00151	0.0112	1	06/03/2024 20:15	WG2297589
(S) Toluene-d8	*100*			*75.0-131*		*06/03/2024 20:15*	WG2297589
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/03/2024 20:15*	WG2297589
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*06/03/2024 20:15*	WG2297589

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.05	J	0.970	5.29	1	06/04/2024 23:49	WG2298254
C22-C32 Hydrocarbons	U		1.76	5.29	1	06/04/2024 23:49	WG2298254
C32-C40 Hydrocarbons	U		1.76	5.29	1	06/04/2024 23:49	WG2298254
(S) o-Terphenyl	*40.5*			*18.0-148*		*06/04/2024 23:49*	WG2298254

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/02/2024 17:46	WG2294959
Mercury,Dissolved	U		0.100	0.200	1	05/30/2024 20:24	WG2294965

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	21.4		0.736	5.00	1	06/04/2024 21:35	WG2296317
Beryllium,Dissolved	U		0.330	2.00	1	06/04/2024 21:35	WG2296317
Chromium,Dissolved	U		1.40	10.0	1	06/04/2024 21:35	WG2296317
Cobalt,Dissolved	U		0.840	10.0	1	06/04/2024 21:35	WG2296317
Molybdenum,Dissolved	27.7		1.16	5.00	1	06/04/2024 21:35	WG2296317
Vanadium,Dissolved	24.2		4.99	20.0	1	06/04/2024 21:35	WG2296317

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/27/2024 22:38	WG2305428
Antimony,Dissolved	1.10	J	1.03	4.00	1	06/19/2024 01:03	WG2297585
Arsenic	7.22		0.180	2.00	1	06/27/2024 22:38	WG2305428
Arsenic,Dissolved	8.01		0.180	2.00	1	06/19/2024 01:03	WG2297585
Barium	68.9		0.381	2.00	1	06/27/2024 22:38	WG2305428
Beryllium	0.222	J	0.190	2.00	1	06/27/2024 22:38	WG2305428
Cadmium	0.656	J	0.150	1.00	1	06/27/2024 22:38	WG2305428
Cadmium,Dissolved	U		0.150	1.00	1	06/19/2024 01:03	WG2297585
Chromium	15.4		1.24	2.00	1	06/27/2024 22:38	WG2305428
Copper	17.1		1.51	5.00	1	06/27/2024 22:38	WG2305428
Copper,Dissolved	2.10	J	1.51	5.00	1	06/19/2024 01:03	WG2297585
Cobalt	2.55		0.0596	2.00	1	06/27/2024 22:38	WG2305428
Lead	7.60		0.849	2.00	1	06/27/2024 22:38	WG2305428
Lead,Dissolved	U		0.849	2.00	1	06/19/2024 01:03	WG2297585
Molybdenum	23.1		0.348	5.00	1	06/27/2024 22:38	WG2305428
Nickel	15.4		0.816	2.00	1	06/27/2024 22:38	WG2305428
Nickel,Dissolved	0.956	J	0.816	2.00	1	06/19/2024 01:03	WG2297585
Selenium	U		0.300	2.00	1	06/27/2024 22:38	WG2305428
Selenium,Dissolved	U		0.300	2.00	1	06/19/2024 01:03	WG2297585
Silver	U		0.0700	2.00	1	06/27/2024 22:38	WG2305428
Silver,Dissolved	U		0.0700	2.00	1	06/19/2024 01:03	WG2297585
Thallium	U		0.121	2.00	1	06/27/2024 22:38	WG2305428
Thallium,Dissolved	U		0.121	2.00	1	06/19/2024 01:03	WG2297585
Vanadium	52.3		0.664	5.00	1	06/27/2024 22:38	WG2305428
Zinc	31.5		3.02	25.0	1	06/27/2024 22:38	WG2305428
Zinc,Dissolved	U		3.02	25.0	1	06/19/2024 01:03	WG2297585

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	72.5	J	30.4	100	1	06/03/2024 14:07	WG2297466
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/03/2024 14:07*	WG2297466

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	11.3	50.0	1	06/03/2024 20:47	WG2297610
Acrolein	U		2.54	50.0	1	06/03/2024 20:47	WG2297610
Acrylonitrile	U		0.671	10.0	1	06/03/2024 20:47	WG2297610
Benzene	0.265	J	0.0941	1.00	1	06/03/2024 20:47	WG2297610
Bromobenzene	U		0.118	1.00	1	06/03/2024 20:47	WG2297610
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 20:47	WG2297610
Bromoform	U		0.129	1.00	1	06/03/2024 20:47	WG2297610
Bromomethane	U		0.605	5.00	1	06/03/2024 20:47	WG2297610
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 20:47	WG2297610
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 20:47	WG2297610
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 20:47	WG2297610
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 20:47	WG2297610
Chlorobenzene	1.54		0.116	1.00	1	06/03/2024 20:47	WG2297610
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 20:47	WG2297610
Chloroethane	U	J3	0.192	5.00	1	06/03/2024 20:47	WG2297610
Chloroform	U		0.111	5.00	1	06/03/2024 20:47	WG2297610
Chloromethane	U		0.960	2.50	1	06/03/2024 20:47	WG2297610
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 20:47	WG2297610
4-Chlorotoluene	U		0.114	1.00	1	06/03/2024 20:47	WG2297610
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 20:47	WG2297610
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 20:47	WG2297610
Dibromomethane	U		0.122	1.00	1	06/03/2024 20:47	WG2297610
1,2-Dichlorobenzene	2.04		0.107	1.00	1	06/03/2024 20:47	WG2297610
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 20:47	WG2297610
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 20:47	WG2297610
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 20:47	WG2297610
1,1-Dichloroethane	2.62		0.100	1.00	1	06/03/2024 20:47	WG2297610
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 20:47	WG2297610
1,1-Dichloroethene	0.194	J	0.188	1.00	1	06/03/2024 20:47	WG2297610
cis-1,2-Dichloroethene	175		0.126	1.00	1	06/03/2024 20:47	WG2297610
trans-1,2-Dichloroethene	3.47		0.149	1.00	1	06/03/2024 20:47	WG2297610
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 20:47	WG2297610
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 20:47	WG2297610
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 20:47	WG2297610
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 20:47	WG2297610
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 20:47	WG2297610
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 20:47	WG2297610
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 20:47	WG2297610
Ethylbenzene	U		0.137	1.00	1	06/03/2024 20:47	WG2297610
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 20:47	WG2297610
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 20:47	WG2297610
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 20:47	WG2297610
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 20:47	WG2297610
Methylene Chloride	U		0.430	5.00	1	06/03/2024 20:47	WG2297610
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 20:47	WG2297610
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 20:47	WG2297610
Naphthalene	1.74	J	1.00	5.00	1	06/03/2024 20:47	WG2297610
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 20:47	WG2297610
Styrene	U		0.118	1.00	1	06/03/2024 20:47	WG2297610
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 20:47	WG2297610
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 20:47	WG2297610
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 20:47	WG2297610
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 20:47	WG2297610
Toluene	U		0.278	1.00	1	06/03/2024 20:47	WG2297610
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 20:47	WG2297610
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 20:47	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 20:47	WG2297610
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 20:47	WG2297610
Trichloroethene	6.16		0.190	1.00	1	06/03/2024 20:47	WG2297610
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 20:47	WG2297610
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 20:47	WG2297610
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 20:47	WG2297610
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 20:47	WG2297610
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 20:47	WG2297610
Vinyl chloride	U		0.234	1.00	1	06/03/2024 20:47	WG2297610
Xylenes, Total	0.254	J	0.174	3.00	1	06/03/2024 20:47	WG2297610
(S) Toluene-d8	*105*			*80.0-120*		*06/03/2024 20:47*	WG2297610
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*06/03/2024 20:47*	WG2297610
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/03/2024 20:47*	WG2297610

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	382		33.0	100	1	05/31/2024 16:32	WG2295250
C22-C32 Hydrocarbons	268		33.0	100	1	05/31/2024 16:32	WG2295250
C32-C40 Hydrocarbons	67.4	J	33.0	100	1	05/31/2024 16:32	WG2295250
(S) o-Terphenyl	*67.9*			*52.0-156*		*05/31/2024 16:32*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/02/2024 17:48	WG2294959
Mercury,Dissolved	U		0.100	0.200	1	05/30/2024 20:26	WG2294965

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	91.2	O1	0.736	5.00	1	06/04/2024 21:45	WG2296317
Beryllium,Dissolved	U		0.330	2.00	1	06/04/2024 21:45	WG2296317
Chromium,Dissolved	3.92	J	1.40	10.0	1	06/04/2024 21:45	WG2296317
Cobalt,Dissolved	1.33	J	0.840	10.0	1	06/04/2024 21:45	WG2296317
Molybdenum,Dissolved	28.1		1.16	5.00	1	06/04/2024 21:45	WG2296317
Vanadium,Dissolved	11.2	J	4.99	20.0	1	06/04/2024 21:45	WG2296317

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	39.3		1.03	4.00	1	07/03/2024 11:17	WG2316050
Antimony,Dissolved	39.2		1.03	4.00	1	06/19/2024 11:22	WG2297585
Arsenic	11.8		0.180	2.00	1	06/27/2024 23:29	WG2305428
Arsenic,Dissolved	5.51		0.180	2.00	1	06/19/2024 11:22	WG2297585
Barium	209		0.381	2.00	1	06/27/2024 23:29	WG2305428
Beryllium	0.738	J	0.190	2.00	1	06/27/2024 23:29	WG2305428
Cadmium	53.3		0.150	1.00	1	06/27/2024 23:29	WG2305428
Cadmium,Dissolved	U		0.150	1.00	1	06/19/2024 11:22	WG2297585
Chromium	67.1		1.24	2.00	1	06/27/2024 23:29	WG2305428
Copper	309		1.51	5.00	1	06/27/2024 23:29	WG2305428
Copper,Dissolved	3.76	J	1.51	5.00	1	06/19/2024 11:22	WG2297585
Cobalt	16.2		0.0596	2.00	1	06/27/2024 23:29	WG2305428
Lead	9470		0.849	2.00	1	06/27/2024 23:29	WG2305428
Lead,Dissolved	2.65		0.849	2.00	1	06/19/2024 11:22	WG2297585
Molybdenum	4.82	J	0.348	5.00	1	06/27/2024 23:29	WG2305428
Nickel	84.3		0.816	2.00	1	06/27/2024 23:29	WG2305428
Nickel,Dissolved	12.4		0.816	2.00	1	06/19/2024 11:22	WG2297585
Selenium	1.39	J	0.300	2.00	1	06/27/2024 23:29	WG2305428
Selenium,Dissolved	1.20	J	0.300	2.00	1	06/19/2024 11:22	WG2297585
Silver	U		0.0700	2.00	1	06/27/2024 23:29	WG2305428
Silver,Dissolved	U		0.0700	2.00	1	06/19/2024 11:22	WG2297585
Thallium	0.254	J	0.121	2.00	1	06/27/2024 23:29	WG2305428
Thallium,Dissolved	U		0.121	2.00	1	06/19/2024 11:22	WG2297585
Vanadium	67.2		0.664	5.00	1	06/27/2024 23:29	WG2305428
Zinc	7100		3.02	25.0	1	06/27/2024 23:29	WG2305428
Zinc,Dissolved	8.46	J	3.02	25.0	1	06/19/2024 11:22	WG2297585

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	62.6	J	30.4	100	1	06/03/2024 14:30	WG2297466
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*06/03/2024 14:30*	WG2297466

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	11.3	50.0	1	06/03/2024 21:08	WG2297610
Acrolein	U		2.54	50.0	1	06/03/2024 21:08	WG2297610
Acrylonitrile	U		0.671	10.0	1	06/03/2024 21:08	WG2297610
Benzene	2.45		0.0941	1.00	1	06/03/2024 21:08	WG2297610
Bromobenzene	U		0.118	1.00	1	06/03/2024 21:08	WG2297610
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 21:08	WG2297610
Bromoform	U		0.129	1.00	1	06/03/2024 21:08	WG2297610
Bromomethane	U		0.605	5.00	1	06/03/2024 21:08	WG2297610
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 21:08	WG2297610
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 21:08	WG2297610
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 21:08	WG2297610
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 21:08	WG2297610
Chlorobenzene	0.328	J	0.116	1.00	1	06/03/2024 21:08	WG2297610
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 21:08	WG2297610
Chloroethane	1.17	J J3	0.192	5.00	1	06/03/2024 21:08	WG2297610
Chloroform	U		0.111	5.00	1	06/03/2024 21:08	WG2297610
Chloromethane	U		0.960	2.50	1	06/03/2024 21:08	WG2297610
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 21:08	WG2297610
4-Chlorotoluene	U		0.114	1.00	1	06/03/2024 21:08	WG2297610
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 21:08	WG2297610
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 21:08	WG2297610
Dibromomethane	U		0.122	1.00	1	06/03/2024 21:08	WG2297610
1,2-Dichlorobenzene	1.41		0.107	1.00	1	06/03/2024 21:08	WG2297610
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 21:08	WG2297610
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 21:08	WG2297610
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 21:08	WG2297610
1,1-Dichloroethane	6.04		0.100	1.00	1	06/03/2024 21:08	WG2297610
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 21:08	WG2297610
1,1-Dichloroethene	U		0.188	1.00	1	06/03/2024 21:08	WG2297610
cis-1,2-Dichloroethene	25.6		0.126	1.00	1	06/03/2024 21:08	WG2297610
trans-1,2-Dichloroethene	1.17		0.149	1.00	1	06/03/2024 21:08	WG2297610
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 21:08	WG2297610
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 21:08	WG2297610
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 21:08	WG2297610
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 21:08	WG2297610
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 21:08	WG2297610
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 21:08	WG2297610
Di-isopropyl ether	0.204	J	0.105	1.00	1	06/03/2024 21:08	WG2297610
Ethylbenzene	U		0.137	1.00	1	06/03/2024 21:08	WG2297610
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 21:08	WG2297610
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 21:08	WG2297610
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 21:08	WG2297610
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 21:08	WG2297610
Methylene Chloride	U		0.430	5.00	1	06/03/2024 21:08	WG2297610
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 21:08	WG2297610
Methyl tert-butyl ether	0.583	J	0.101	1.00	1	06/03/2024 21:08	WG2297610
Naphthalene	U		1.00	5.00	1	06/03/2024 21:08	WG2297610
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 21:08	WG2297610
Styrene	U		0.118	1.00	1	06/03/2024 21:08	WG2297610
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 21:08	WG2297610
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 21:08	WG2297610
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 21:08	WG2297610
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 21:08	WG2297610
Toluene	0.281	J	0.278	1.00	1	06/03/2024 21:08	WG2297610
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 21:08	WG2297610
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 21:08	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 21:08	WG2297610
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 21:08	WG2297610
Trichloroethene	U		0.190	1.00	1	06/03/2024 21:08	WG2297610
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 21:08	WG2297610
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 21:08	WG2297610
1,2,4-Trimethylbenzene	0.484	J	0.322	1.00	1	06/03/2024 21:08	WG2297610
1,2,3-Trimethylbenzene	0.240	J	0.104	1.00	1	06/03/2024 21:08	WG2297610
1,3,5-Trimethylbenzene	0.250	J	0.104	1.00	1	06/03/2024 21:08	WG2297610
Vinyl chloride	U		0.234	1.00	1	06/03/2024 21:08	WG2297610
Xylenes, Total	0.199	J	0.174	3.00	1	06/03/2024 21:08	WG2297610
(S) Toluene-d8	*103*			*80.0-120*		*06/03/2024 21:08*	WG2297610
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/03/2024 21:08*	WG2297610
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/03/2024 21:08*	WG2297610

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2030		33.0	100	1	05/31/2024 16:53	WG2295250
C22-C32 Hydrocarbons	2890		33.0	100	1	05/31/2024 16:53	WG2295250
C32-C40 Hydrocarbons	1200		33.0	100	1	05/31/2024 16:53	WG2295250
(S) o-Terphenyl	*73.7*			*52.0-156*		*05/31/2024 16:53*	WG2295250

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/02/2024 17:51	WG2294959
Mercury,Dissolved	U		0.100	0.200	1	05/30/2024 20:29	WG2294965

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Barium,Dissolved	22.2		0.736	5.00	1	06/09/2024 10:41	WG2297576
Beryllium,Dissolved	U		0.330	2.00	1	06/09/2024 10:41	WG2297576
Chromium,Dissolved	1.73	J	1.40	10.0	1	06/09/2024 10:41	WG2297576
Cobalt,Dissolved	0.950	J	0.840	10.0	1	06/09/2024 10:41	WG2297576
Molybdenum,Dissolved	27.1		1.16	5.00	1	06/09/2024 10:41	WG2297576
Vanadium,Dissolved	21.8		4.99	20.0	1	06/09/2024 10:41	WG2297576

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/27/2024 22:45	WG2305428
Antimony,Dissolved	1.14	J	1.03	4.00	1	06/19/2024 02:36	WG2297585
Arsenic	7.69		0.180	2.00	1	06/27/2024 22:45	WG2305428
Arsenic,Dissolved	7.85		0.180	2.00	1	06/19/2024 02:36	WG2297585
Barium	47.7		0.381	2.00	1	06/27/2024 22:45	WG2305428
Beryllium	U		0.190	2.00	1	06/27/2024 22:45	WG2305428
Cadmium	0.325	J	0.150	1.00	1	06/27/2024 22:45	WG2305428
Cadmium,Dissolved	U		0.150	1.00	1	06/19/2024 02:36	WG2297585
Chromium	9.50		1.24	2.00	1	06/27/2024 22:45	WG2305428
Copper	10.6		1.51	5.00	1	06/27/2024 22:45	WG2305428
Copper,Dissolved	1.69	J	1.51	5.00	1	06/19/2024 02:36	WG2297585
Cobalt	1.56	J	0.0596	2.00	1	06/27/2024 22:45	WG2305428
Lead	5.01		0.849	2.00	1	06/27/2024 22:45	WG2305428
Lead,Dissolved	U		0.849	2.00	1	06/19/2024 02:36	WG2297585
Molybdenum	20.1		0.348	5.00	1	06/27/2024 22:45	WG2305428
Nickel	9.57		0.816	2.00	1	06/27/2024 22:45	WG2305428
Nickel,Dissolved	U		0.816	2.00	1	06/19/2024 02:36	WG2297585
Selenium	0.312	J	0.300	2.00	1	06/27/2024 22:45	WG2305428
Selenium,Dissolved	U		0.300	2.00	1	06/19/2024 02:36	WG2297585
Silver	U		0.0700	2.00	1	06/27/2024 22:45	WG2305428
Silver,Dissolved	U		0.0700	2.00	1	06/19/2024 02:36	WG2297585
Thallium	U		0.121	2.00	1	06/27/2024 22:45	WG2305428
Thallium,Dissolved	U		0.121	2.00	1	06/19/2024 02:36	WG2297585
Vanadium	35.7		0.664	5.00	1	06/27/2024 22:45	WG2305428
Zinc	19.8	J	3.02	25.0	1	06/27/2024 22:45	WG2305428
Zinc,Dissolved	3.64	J	3.02	25.0	1	06/19/2024 02:36	WG2297585

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	73.3	J	30.4	100	1	06/03/2024 14:53	WG2297466
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*06/03/2024 14:53*	WG2297466

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	11.3	50.0	1	06/03/2024 21:30	WG2297610
Acrolein	U		2.54	50.0	1	06/03/2024 21:30	WG2297610
Acrylonitrile	U		0.671	10.0	1	06/03/2024 21:30	WG2297610
Benzene	0.251	J	0.0941	1.00	1	06/03/2024 21:30	WG2297610
Bromobenzene	U		0.118	1.00	1	06/03/2024 21:30	WG2297610
Bromodichloromethane	U		0.136	1.00	1	06/03/2024 21:30	WG2297610
Bromoform	U		0.129	1.00	1	06/03/2024 21:30	WG2297610
Bromomethane	U		0.605	5.00	1	06/03/2024 21:30	WG2297610
n-Butylbenzene	U		0.157	1.00	1	06/03/2024 21:30	WG2297610
sec-Butylbenzene	U		0.125	1.00	1	06/03/2024 21:30	WG2297610
tert-Butylbenzene	U		0.127	1.00	1	06/03/2024 21:30	WG2297610
Carbon tetrachloride	U		0.128	1.00	1	06/03/2024 21:30	WG2297610
Chlorobenzene	1.34		0.116	1.00	1	06/03/2024 21:30	WG2297610
Chlorodibromomethane	U		0.140	1.00	1	06/03/2024 21:30	WG2297610
Chloroethane	U	J3	0.192	5.00	1	06/03/2024 21:30	WG2297610
Chloroform	U		0.111	5.00	1	06/03/2024 21:30	WG2297610
Chloromethane	U		0.960	2.50	1	06/03/2024 21:30	WG2297610
2-Chlorotoluene	U		0.106	1.00	1	06/03/2024 21:30	WG2297610
4-Chlorotoluene	U		0.114	1.00	1	06/03/2024 21:30	WG2297610
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/03/2024 21:30	WG2297610
1,2-Dibromoethane	U		0.126	1.00	1	06/03/2024 21:30	WG2297610
Dibromomethane	U		0.122	1.00	1	06/03/2024 21:30	WG2297610
1,2-Dichlorobenzene	1.90		0.107	1.00	1	06/03/2024 21:30	WG2297610
1,3-Dichlorobenzene	U		0.110	1.00	1	06/03/2024 21:30	WG2297610
1,4-Dichlorobenzene	U		0.120	1.00	1	06/03/2024 21:30	WG2297610
Dichlorodifluoromethane	U		0.374	5.00	1	06/03/2024 21:30	WG2297610
1,1-Dichloroethane	2.61		0.100	1.00	1	06/03/2024 21:30	WG2297610
1,2-Dichloroethane	U		0.0819	1.00	1	06/03/2024 21:30	WG2297610
1,1-Dichloroethene	0.264	J	0.188	1.00	1	06/03/2024 21:30	WG2297610
cis-1,2-Dichloroethene	186		0.126	1.00	1	06/03/2024 21:30	WG2297610
trans-1,2-Dichloroethene	3.39		0.149	1.00	1	06/03/2024 21:30	WG2297610
1,2-Dichloropropane	U		0.149	1.00	1	06/03/2024 21:30	WG2297610
1,1-Dichloropropene	U		0.142	1.00	1	06/03/2024 21:30	WG2297610
1,3-Dichloropropane	U		0.110	1.00	1	06/03/2024 21:30	WG2297610
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/03/2024 21:30	WG2297610
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/03/2024 21:30	WG2297610
2,2-Dichloropropane	U		0.161	1.00	1	06/03/2024 21:30	WG2297610
Di-isopropyl ether	U		0.105	1.00	1	06/03/2024 21:30	WG2297610
Ethylbenzene	U		0.137	1.00	1	06/03/2024 21:30	WG2297610
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/03/2024 21:30	WG2297610
Isopropylbenzene	U		0.105	1.00	1	06/03/2024 21:30	WG2297610
p-Isopropyltoluene	U		0.120	1.00	1	06/03/2024 21:30	WG2297610
2-Butanone (MEK)	U		1.19	10.0	1	06/03/2024 21:30	WG2297610
Methylene Chloride	U		0.430	5.00	1	06/03/2024 21:30	WG2297610
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/03/2024 21:30	WG2297610
Methyl tert-butyl ether	U		0.101	1.00	1	06/03/2024 21:30	WG2297610
Naphthalene	1.66	J	1.00	5.00	1	06/03/2024 21:30	WG2297610
n-Propylbenzene	U		0.0993	1.00	1	06/03/2024 21:30	WG2297610
Styrene	U		0.118	1.00	1	06/03/2024 21:30	WG2297610
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/03/2024 21:30	WG2297610
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/03/2024 21:30	WG2297610
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/03/2024 21:30	WG2297610
Tetrachloroethene	U		0.300	1.00	1	06/03/2024 21:30	WG2297610
Toluene	U		0.278	1.00	1	06/03/2024 21:30	WG2297610
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/03/2024 21:30	WG2297610
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/03/2024 21:30	WG2297610

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/03/2024 21:30	WG2297610
1,1,2-Trichloroethane	U		0.158	1.00	1	06/03/2024 21:30	WG2297610
Trichloroethene	5.12		0.190	1.00	1	06/03/2024 21:30	WG2297610
Trichlorofluoromethane	U		0.160	5.00	1	06/03/2024 21:30	WG2297610
1,2,3-Trichloropropane	U		0.237	2.50	1	06/03/2024 21:30	WG2297610
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/03/2024 21:30	WG2297610
1,2,3-Trimethylbenzene	0.107	J	0.104	1.00	1	06/03/2024 21:30	WG2297610
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/03/2024 21:30	WG2297610
Vinyl chloride	U		0.234	1.00	1	06/03/2024 21:30	WG2297610
Xylenes, Total	U		0.174	3.00	1	06/03/2024 21:30	WG2297610
(S) Toluene-d8	*105*			*80.0-120*		*06/03/2024 21:30*	WG2297610
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*06/03/2024 21:30*	WG2297610
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/03/2024 21:30*	WG2297610

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	405		33.0	100	1	05/31/2024 17:13	WG2295250
C22-C32 Hydrocarbons	333		33.0	100	1	05/31/2024 17:13	WG2295250
C32-C40 Hydrocarbons	199		33.0	100	1	05/31/2024 17:13	WG2295250
(S) o-Terphenyl	*71.6*			*52.0-156*		*05/31/2024 17:13*	WG2295250

Method Blank (MB)

(MB) R4076000-1 05/31/24 07:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740925-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-04 05/31/24 07:14 • (DUP) R4076000-3 05/31/24 07:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.4	95.1	1	0.777		10

Laboratory Control Sample (LCS)

(LCS) R4076000-2 05/31/24 07:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075999-1 05/31/24 07:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1740925-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-16 05/31/24 07:03 • (DUP) R4075999-3 05/31/24 07:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.3	83.0	1	0.304		10

Laboratory Control Sample (LCS)

(LCS) R4075999-2 05/31/24 07:03

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4075909-1 05/31/24 11:34

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740830-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1740830-01 05/31/24 11:34 • (DUP) R4075909-3 05/31/24 11:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.2	87.3	1	0.988		10

Laboratory Control Sample (LCS)

(LCS) R4075909-2 05/31/24 11:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4078969-1 06/07/24 12:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1740925-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-17 06/07/24 12:45 • (DUP) R4078969-3 06/07/24 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.7	83.5	1	0.149		10

Laboratory Control Sample (LCS)

(LCS) R4078969-2 06/07/24 12:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4087024-1 06/26/24 13:44

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1739342-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1739342-11 06/26/24 13:44 • (DUP) R4087024-3 06/26/24 13:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.7	85.8	1	1.28		10

Laboratory Control Sample (LCS)

(LCS) R4087024-2 06/26/24 13:44

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076329-1 06/02/24 17:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4076329-2 06/02/24 17:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	3.19	106	80.0-120	

L1740715-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740715-01 06/02/24 17:15 • (MS) R4076329-4 06/02/24 17:20 • (MSD) R4076329-5 06/02/24 17:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	2.19	2.22	73.0	73.9	1	75.0-125	J6	J6	1.12	20

Method Blank (MB)

(MB) R4075546-1 05/30/24 19:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4075546-2 05/30/24 19:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury,Dissolved	3.00	2.94	98.2	80.0-120	

L1740641-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740641-04 05/30/24 19:56 • (MS) R4075546-4 05/30/24 20:00 • (MSD) R4075546-5 05/30/24 20:03

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury,Dissolved	3.00	U	1.93	2.09	64.4	69.6	1	75.0-125	J6	J6	7.82	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R4076270-1 06/01/24 17:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076270-2 06/01/24 17:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.495	98.9	80.0-120	

L1740925-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-05 06/01/24 17:41 • (MS) R4076270-4 06/01/24 17:51 • (MSD) R4076270-5 06/01/24 17:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.557	0.607	0.892	1.66	51.1	189	1	75.0-125	J6	J3 J5	60.2	20

Method Blank (MB)

(MB) R4075884-1 05/31/24 13:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4075884-2 05/31/24 13:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.498	99.5	80.0-120	

L1741346-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741346-06 05/31/24 13:58 • (MS) R4075884-4 05/31/24 14:03 • (MSD) R4075884-5 05/31/24 14:10

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.516	0.520	103	104	1	75.0-125			0.696	20

Method Blank (MB)

(MB) R4079269-1 06/09/24 17:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4079269-2 06/09/24 17:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.468	93.6	80.0-120	

L1743501-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743501-14 06/09/24 17:13 • (MS) R4079269-4 06/09/24 17:23 • (MSD) R4079269-5 06/09/24 17:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.0191	0.469	0.461	90.1	88.3	1	75.0-125			1.85	20

Method Blank (MB)

(MB) R4077337-1 06/04/24 21:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4077337-2 06/04/24 21:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	994	99.4	80.0-120	
Beryllium,Dissolved	1000	970	97.0	80.0-120	
Chromium,Dissolved	1000	1000	100	80.0-120	
Cobalt,Dissolved	1000	949	94.9	80.0-120	
Molybdenum,Dissolved	1000	1000	100	80.0-120	
Vanadium,Dissolved	1000	956	95.6	80.0-120	

L1740925-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-26 06/04/24 21:45 • (MS) R4077337-4 06/04/24 21:49 • (MSD) R4077337-5 06/04/24 21:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	91.2	1090	1080	99.5	99.0	1	75.0-125			0.421	20
Beryllium,Dissolved	1000	U	1000	992	100	99.2	1	75.0-125			1.03	20
Chromium,Dissolved	1000	3.92	1020	1020	101	101	1	75.0-125			0.165	20
Cobalt,Dissolved	1000	1.33	999	990	99.8	98.9	1	75.0-125			0.933	20
Molybdenum,Dissolved	1000	28.1	1040	1050	102	102	1	75.0-125			0.563	20
Vanadium,Dissolved	1000	11.2	992	981	98.1	97.0	1	75.0-125			1.12	20

Method Blank (MB)

(MB) R4079220-1 06/09/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Barium,Dissolved	U		0.736	5.00
Beryllium,Dissolved	U		0.330	2.00
Chromium,Dissolved	U		1.40	10.0
Cobalt,Dissolved	U		0.840	10.0
Molybdenum,Dissolved	U		1.16	5.00
Vanadium,Dissolved	U		4.99	20.0

Laboratory Control Sample (LCS)

(LCS) R4079220-2 06/09/24 10:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium,Dissolved	1000	978	97.8	80.0-120	
Beryllium,Dissolved	1000	951	95.1	80.0-120	
Chromium,Dissolved	1000	967	96.7	80.0-120	
Cobalt,Dissolved	1000	892	89.2	80.0-120	
Molybdenum,Dissolved	1000	940	94.0	80.0-120	
Vanadium,Dissolved	1000	928	92.8	80.0-120	

L1740925-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-27 06/09/24 10:41 • (MS) R4079220-4 06/09/24 10:44 • (MSD) R4079220-5 06/09/24 10:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium,Dissolved	1000	22.2	973	1000	95.1	98.1	1	75.0-125			3.04	20
Beryllium,Dissolved	1000	U	959	971	95.9	97.1	1	75.0-125			1.14	20
Chromium,Dissolved	1000	1.73	954	983	95.2	98.1	1	75.0-125			3.00	20
Cobalt,Dissolved	1000	0.950	899	924	89.8	92.3	1	75.0-125			2.75	20
Molybdenum,Dissolved	1000	27.1	954	984	92.7	95.6	1	75.0-125			3.05	20
Vanadium,Dissolved	1000	21.8	963	970	94.1	94.8	1	75.0-125			0.755	20

Method Blank (MB)

(MB) R4077589-1 06/05/24 11:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077589-2 06/05/24 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	94.3	94.3	80.0-120	
Arsenic	100	94.8	94.8	80.0-120	
Barium	100	99.7	99.7	80.0-120	
Beryllium	100	97.1	97.1	80.0-120	
Cadmium	100	95.2	95.2	80.0-120	
Chromium	100	99.4	99.4	80.0-120	
Cobalt	100	92.8	92.8	80.0-120	
Copper	100	98.1	98.1	80.0-120	
Lead	100	94.2	94.2	80.0-120	
Molybdenum	100	98.0	98.0	80.0-120	
Nickel	100	93.8	93.8	80.0-120	
Selenium	100	93.3	93.3	80.0-120	
Silver	20.0	18.9	94.4	80.0-120	
Thallium	100	98.5	98.5	80.0-120	
Vanadium	100	96.1	96.1	80.0-120	
Zinc	100	96.1	96.1	80.0-120	

L1740737-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740737-03 06/05/24 11:10 • (MS) R4077589-5 06/05/24 11:15 • (MSD) R4077589-6 06/05/24 11:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	115	1.64	97.5	99.0	83.7	85.0	1	75.0-125			1.47	20
Arsenic	115	2.07	105	106	90.1	91.2	1	75.0-125			1.10	20
Barium	115	229	357	340	111	97.2	1	75.0-125			4.67	20
Beryllium	115	0.551	109	113	94.6	98.1	1	75.0-125			3.55	20
Cadmium	115	U	102	102	88.8	89.1	1	75.0-125			0.267	20
Chromium	115	15.4	122	126	93.1	96.4	1	75.0-125			3.04	20
Cobalt	115	4.96	111	115	92.4	96.4	1	75.0-125			4.09	20
Copper	115	3.23	118	125	100	106	1	75.0-125			5.36	20
Lead	115	14.6	114	119	86.8	90.7	1	75.0-125			3.80	20
Molybdenum	115	U	102	106	89.4	92.3	1	75.0-125			3.12	20
Nickel	115	12.8	112	116	86.6	90.0	1	75.0-125			3.42	20
Selenium	115	U	104	106	90.7	92.3	1	75.0-125			1.75	20
Silver	22.9	U	21.4	22.0	93.3	96.1	1	75.0-125			2.90	20
Thallium	115	U	106	110	92.9	96.0	1	75.0-125			3.26	20
Vanadium	115	25.9	133	137	93.3	96.7	1	75.0-125			2.91	20
Zinc	115	18.0	119	123	87.8	91.5	1	75.0-125			3.56	20

QUALITY CONTROL SUMMARY

L1740925-07,17

Method Blank (MB)

(MB) R4081540-1 06/13/24 18:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	0.667	J	0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	0.261	J	0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4081540-2 06/13/24 18:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	87.3	87.3	80.0-120	
Arsenic	100	85.7	85.7	80.0-120	
Barium	100	90.7	90.7	80.0-120	
Beryllium	100	89.6	89.6	80.0-120	
Cadmium	100	85.9	85.9	80.0-120	
Chromium	100	90.2	90.2	80.0-120	
Cobalt	100	85.9	85.9	80.0-120	
Copper	100	93.6	93.6	80.0-120	
Lead	100	83.6	83.6	80.0-120	
Molybdenum	100	90.3	90.3	80.0-120	
Nickel	100	86.2	86.2	80.0-120	
Selenium	100	85.4	85.4	80.0-120	
Silver	20.0	19.1	95.3	80.0-120	
Thallium	100	90.0	90.0	80.0-120	
Vanadium	100	89.4	89.4	80.0-120	
Zinc	100	85.8	85.8	80.0-120	

L1743501-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743501-02 06/13/24 18:14 • (MS) R4081540-5 06/13/24 18:19 • (MSD) R4081540-6 06/13/24 18:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	5.47	73.5	72.6	68.0	67.1	1	75.0-125	J6	J6	1.30	20
Arsenic	100	1.33	77.4	74.7	76.1	73.4	1	75.0-125		J6	3.55	20
Barium	100	83.0	170	143	87.2	59.9	1	75.0-125		J6	17.4	20
Beryllium	100	1.09	83.7	81.9	82.6	80.8	1	75.0-125			2.21	20
Cadmium	100	U	76.2	72.9	76.2	72.9	1	75.0-125		J6	4.48	20
Chromium	100	11.0	89.5	84.3	78.5	73.3	1	75.0-125		J6	6.00	20
Cobalt	100	6.58	92.9	88.3	86.3	81.7	1	75.0-125			5.09	20
Copper	100	14.2	99.9	93.6	85.7	79.4	1	75.0-125			6.55	20
Lead	100	16.8	98.5	90.5	81.7	73.6	1	75.0-125		J6	8.52	20
Molybdenum	100	U	80.7	78.3	80.7	78.3	1	75.0-125			3.06	20
Nickel	100	10.5	98.6	92.0	88.1	81.6	1	75.0-125			6.83	20
Selenium	100	0.786	87.3	83.7	86.5	82.9	1	75.0-125			4.20	20
Silver	20.0	U	15.1	15.2	75.7	75.8	1	75.0-125			0.0378	20
Thallium	100	U	84.6	82.2	84.6	82.2	1	75.0-125			2.82	20
Vanadium	100	24.9	109	99.7	84.6	74.8	1	75.0-125		J6	9.30	20
Zinc	100	43.8	123	109	79.2	64.9	1	75.0-125		J6	12.4	20

Method Blank (MB)

(MB) R4087553-1 06/27/24 20:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500
Nickel	0.181	J	0.132	2.00

Laboratory Control Sample (LCS)

(LCS) R4087553-2 06/27/24 20:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	98.7	98.7	80.0-120	
Nickel	100	97.7	97.7	80.0-120	

L1750258-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1750258-01 06/27/24 20:05 • (MS) R4087553-5 06/27/24 20:10 • (MSD) R4087553-6 06/27/24 20:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	114	19.1	116	118	84.6	86.9	1	75.0-125			2.23	20
Nickel	114	4.00	111	112	93.9	94.8	1	75.0-125			0.879	20

QUALITY CONTROL SUMMARY

L1740925-03,25,26,27

Method Blank (MB)

(MB) R4083233-1 06/18/24 12:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony,Dissolved	U		1.03	4.00
Arsenic,Dissolved	U		0.180	2.00
Cadmium,Dissolved	U		0.150	1.00
Copper,Dissolved	U		1.51	5.00
Lead,Dissolved	U		0.849	2.00
Nickel,Dissolved	U		0.816	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00
Thallium,Dissolved	U		0.121	2.00
Zinc,Dissolved	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4083233-2 06/18/24 13:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony,Dissolved	50.0	49.3	98.6	80.0-120	
Arsenic,Dissolved	50.0	49.8	99.6	80.0-120	
Cadmium,Dissolved	50.0	52.4	105	80.0-120	
Copper,Dissolved	50.0	48.5	96.9	80.0-120	
Lead,Dissolved	50.0	48.7	97.3	80.0-120	
Nickel,Dissolved	50.0	51.4	103	80.0-120	
Selenium,Dissolved	50.0	47.8	95.6	80.0-120	
Silver,Dissolved	50.0	48.4	96.7	80.0-120	
Thallium,Dissolved	50.0	47.7	95.5	80.0-120	
Zinc,Dissolved	50.0	52.5	105	80.0-120	

L1740656-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740656-20 06/18/24 13:08 • (MS) R4083233-4 06/18/24 13:15 • (MSD) R4083233-5 06/18/24 13:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony,Dissolved	50.0	U	43.5	45.5	87.0	91.1	10	75.0-125			4.54	20
Arsenic,Dissolved	50.0	80.4	126	122	91.6	83.0	10	75.0-125			3.48	20
Cadmium,Dissolved	50.0	U	45.7	48.1	91.5	96.3	10	75.0-125			5.09	20
Copper,Dissolved	50.0	U	51.9	53.7	104	107	10	75.0-125			3.33	20
Lead,Dissolved	50.0	U	49.2	46.8	98.4	93.7	10	75.0-125			4.89	20
Nickel,Dissolved	50.0	U	49.4	50.2	98.7	100	10	75.0-125			1.75	20
Selenium,Dissolved	50.0	39.5	92.3	81.8	106	84.6	10	75.0-125			12.1	20

L1740656-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740656-20 06/18/24 13:08 • (MS) R4083233-4 06/18/24 13:15 • (MSD) R4083233-5 06/18/24 13:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver,Dissolved	50.0	U	48.0	47.5	95.9	95.1	10	75.0-125			0.844	20
Thallium,Dissolved	50.0	U	48.6	47.7	97.1	95.5	10	75.0-125			1.75	20
Zinc,Dissolved	50.0	U	51.0	64.6	102	129	10	75.0-125		J3 J5	23.6	20

QUALITY CONTROL SUMMARY

L1740925-03,25,26,27

Method Blank (MB)

(MB) R4087559-1 06/27/24 21:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	4.56		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4087559-2 06/27/24 21:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	46.5	93.1	80.0-120	
Arsenic	50.0	50.1	100	80.0-120	
Barium	50.0	47.9	95.9	80.0-120	
Beryllium	50.0	55.0	110	80.0-120	
Cadmium	50.0	52.7	105	80.0-120	
Chromium	50.0	51.1	102	80.0-120	
Copper	50.0	48.2	96.4	80.0-120	
Cobalt	50.0	52.7	105	80.0-120	
Lead	50.0	50.1	100	80.0-120	
Molybdenum	50.0	48.5	97.0	80.0-120	
Nickel	50.0	53.2	106	80.0-120	
Selenium	50.0	49.3	98.7	80.0-120	
Silver	50.0	51.4	103	80.0-120	
Thallium	50.0	50.2	100	80.0-120	
Vanadium	50.0	49.7	99.5	80.0-120	
Zinc	50.0	48.9	97.8	80.0-120	

L1743086-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743086-01 06/27/24 21:30 • (MS) R4087559-4 06/27/24 21:37 • (MSD) R4087559-5 06/27/24 21:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	50.7	50.1	101	100	1	75.0-125			1.27	20
Arsenic	50.0	1.12	49.8	49.7	97.4	97.2	1	75.0-125			0.223	20
Barium	50.0	17.4	67.9	67.1	101	99.3	1	75.0-125			1.14	20
Beryllium	50.0	5.30	57.9	59.1	105	108	1	75.0-125			1.98	20
Cadmium	50.0	2.43	57.1	56.4	109	108	1	75.0-125			1.20	20
Chromium	50.0	1.48	48.9	49.2	97.8	98.5	1	75.0-125			0.717	20
Copper	50.0	5.84	52.4	51.0	93.2	90.4	1	75.0-125			2.65	20
Cobalt	50.0	55.2	105	107	99.1	103	1	75.0-125			1.89	20
Lead	50.0	1.44	51.8	51.3	101	99.8	1	75.0-125			0.849	20
Molybdenum	50.0	U	52.8	52.6	106	105	1	75.0-125			0.343	20
Nickel	50.0	50.3	99.3	100	98.0	100	1	75.0-125			0.989	20
Selenium	50.0	1.52	53.3	51.7	104	100	1	75.0-125			3.10	20
Silver	50.0	0.0974	52.8	52.4	106	105	1	75.0-125			0.917	20
Thallium	50.0	0.570	50.9	49.5	101	97.8	1	75.0-125			2.87	20
Vanadium	50.0	U	48.6	47.5	97.1	95.0	1	75.0-125			2.26	20
Zinc	50.0	48.8	94.8	95.7	92.1	93.8	1	75.0-125			0.899	20

Method Blank (MB)

(MB) R4089612-1 07/03/24 11:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Antimony	U		1.03	4.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4089612-2 07/03/24 11:10 • (LCSD) R4089612-3 07/03/24 11:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Antimony	50.0	49.0	50.2	98.0	100	80.0-120			2.32	20

Method Blank (MB)

(MB) R4076402-2 06/02/24 14:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.97	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4076402-1 06/02/24 12:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.68	93.6	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4078051-2 06/03/24 12:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	U		30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078051-1 06/03/24 11:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	4810	96.2	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Method Blank (MB)

(MB) R4077108-3 06/03/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4077108-3 06/03/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077108-1 06/03/24 21:28 • (LCSD) R4077108-2 06/03/24 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.524	0.544	83.8	87.0	10.0-160			3.75	31
Acrylonitrile	0.625	0.485	0.531	77.6	85.0	45.0-153			9.06	22
Benzene	0.125	0.112	0.107	89.6	85.6	70.0-123			4.57	20
Bromobenzene	0.125	0.108	0.111	86.4	88.8	73.0-121			2.74	20
Bromodichloromethane	0.125	0.106	0.107	84.8	85.6	73.0-121			0.939	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077108-1 06/03/24 21:28 • (LCSD) R4077108-2 06/03/24 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0978	0.0937	78.2	75.0	64.0-132			4.28	20
Bromomethane	0.125	0.0912	0.0825	73.0	66.0	56.0-147			10.0	20
n-Butylbenzene	0.125	0.123	0.124	98.4	99.2	68.0-135			0.810	20
sec-Butylbenzene	0.125	0.117	0.114	93.6	91.2	74.0-130			2.60	20
tert-Butylbenzene	0.125	0.116	0.115	92.8	92.0	75.0-127			0.866	20
Carbon tetrachloride	0.125	0.121	0.120	96.8	96.0	66.0-128			0.830	20
Chlorobenzene	0.125	0.116	0.114	92.8	91.2	76.0-128			1.74	20
Chlorodibromomethane	0.125	0.110	0.109	88.0	87.2	74.0-127			0.913	20
Chloroethane	0.125	0.112	0.111	89.6	88.8	61.0-134			0.897	20
Chloroform	0.125	0.115	0.108	92.0	86.4	72.0-123			6.28	20
Chloromethane	0.125	0.121	0.113	96.8	90.4	51.0-138			6.84	20
2-Chlorotoluene	0.125	0.112	0.117	89.6	93.6	75.0-124			4.37	20
4-Chlorotoluene	0.125	0.107	0.106	85.6	84.8	75.0-124			0.939	20
1,2-Dibromo-3-Chloropropane	0.125	0.0892	0.0851	71.4	68.1	59.0-130			4.70	20
1,2-Dibromoethane	0.125	0.107	0.106	85.6	84.8	74.0-128			0.939	20
Dibromomethane	0.125	0.113	0.110	90.4	88.0	75.0-122			2.69	20
1,2-Dichlorobenzene	0.125	0.115	0.113	92.0	90.4	76.0-124			1.75	20
1,3-Dichlorobenzene	0.125	0.119	0.117	95.2	93.6	76.0-125			1.69	20
1,4-Dichlorobenzene	0.125	0.110	0.114	88.0	91.2	77.0-121			3.57	20
Dichlorodifluoromethane	0.125	0.134	0.137	107	110	43.0-156			2.21	20
1,1-Dichloroethane	0.125	0.112	0.111	89.6	88.8	70.0-127			0.897	20
1,2-Dichloroethane	0.125	0.109	0.104	87.2	83.2	65.0-131			4.69	20
1,1-Dichloroethene	0.125	0.120	0.113	96.0	90.4	65.0-131			6.01	20
cis-1,2-Dichloroethene	0.125	0.119	0.114	95.2	91.2	73.0-125			4.29	20
trans-1,2-Dichloroethene	0.125	0.116	0.113	92.8	90.4	71.0-125			2.62	20
1,2-Dichloropropane	0.125	0.111	0.107	88.8	85.6	74.0-125			3.67	20
1,1-Dichloropropene	0.125	0.115	0.110	92.0	88.0	73.0-125			4.44	20
1,3-Dichloropropane	0.125	0.115	0.110	92.0	88.0	80.0-125			4.44	20
cis-1,3-Dichloropropene	0.125	0.111	0.108	88.8	86.4	76.0-127			2.74	20
trans-1,3-Dichloropropene	0.125	0.113	0.109	90.4	87.2	73.0-127			3.60	20
2,2-Dichloropropane	0.125	0.121	0.113	96.8	90.4	59.0-135			6.84	20
Di-isopropyl ether	0.125	0.108	0.107	86.4	85.6	60.0-136			0.930	20
Ethylbenzene	0.125	0.117	0.108	93.6	86.4	74.0-126			8.00	20
Hexachloro-1,3-butadiene	0.125	0.123	0.111	98.4	88.8	57.0-150			10.3	20
Isopropylbenzene	0.125	0.118	0.111	94.4	88.8	72.0-127			6.11	20
p-Isopropyltoluene	0.125	0.119	0.119	95.2	95.2	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.550	0.548	88.0	87.7	30.0-160			0.364	24
Methylene Chloride	0.125	0.127	0.126	102	101	68.0-123			0.791	20
4-Methyl-2-pentanone (MIBK)	0.625	0.519	0.483	83.0	77.3	56.0-143			7.19	20
Methyl tert-butyl ether	0.125	0.109	0.109	87.2	87.2	66.0-132			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077108-1 06/03/24 21:28 • (LCSD) R4077108-2 06/03/24 21:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.105	0.113	84.0	90.4	59.0-130			7.34	20
n-Propylbenzene	0.125	0.111	0.109	88.8	87.2	74.0-126			1.82	20
Styrene	0.125	0.113	0.110	90.4	88.0	72.0-127			2.69	20
1,1,1,2-Tetrachloroethane	0.125	0.113	0.111	90.4	88.8	74.0-129			1.79	20
1,1,2,2-Tetrachloroethane	0.125	0.0982	0.101	78.6	80.8	68.0-128			2.81	20
1,1,2-Trichlorotrifluoroethane	0.125	0.127	0.125	102	100	61.0-139			1.59	20
Tetrachloroethene	0.125	0.132	0.118	106	94.4	70.0-136			11.2	20
Toluene	0.125	0.113	0.106	90.4	84.8	75.0-121			6.39	20
1,2,3-Trichlorobenzene	0.125	0.118	0.110	94.4	88.0	59.0-139			7.02	20
1,2,4-Trichlorobenzene	0.125	0.109	0.111	87.2	88.8	62.0-137			1.82	20
1,1,1-Trichloroethane	0.125	0.128	0.121	102	96.8	69.0-126			5.62	20
1,1,2-Trichloroethane	0.125	0.115	0.110	92.0	88.0	78.0-123			4.44	20
Trichloroethene	0.125	0.106	0.105	84.8	84.0	76.0-126			0.948	20
Trichlorofluoromethane	0.125	0.125	0.124	100	99.2	61.0-142			0.803	20
1,2,3-Trichloropropane	0.125	0.112	0.108	89.6	86.4	67.0-129			3.64	20
1,2,4-Trimethylbenzene	0.125	0.115	0.111	92.0	88.8	70.0-126			3.54	20
1,2,3-Trimethylbenzene	0.125	0.115	0.110	92.0	88.0	74.0-124			4.44	20
1,3,5-Trimethylbenzene	0.125	0.118	0.113	94.4	90.4	73.0-127			4.33	20
Vinyl chloride	0.125	0.119	0.112	95.2	89.6	63.0-134			6.06	20
Xylenes, Total	0.375	0.350	0.327	93.3	87.2	72.0-127			6.79	20
(S) Toluene-d8				*101*	*98.6*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*96.5*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*97.1*	*91.8*	*70.0-130*				

Method Blank (MB)

(MB) R4077724-2 06/03/24 13:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	0.000900	J	0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4077724-2 06/03/24 13:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4077724-1 06/03/24 12:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.846	135	10.0-160	
Acrylonitrile	0.625	0.744	119	45.0-153	
Benzene	0.125	0.120	96.0	70.0-123	
Bromobenzene	0.125	0.122	97.6	73.0-121	
Bromodichloromethane	0.125	0.119	95.2	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4077724-1 06/03/24 12:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.104	83.2	64.0-132	
Bromomethane	0.125	0.0952	76.2	56.0-147	
n-Butylbenzene	0.125	0.132	106	68.0-135	
sec-Butylbenzene	0.125	0.128	102	74.0-130	
tert-Butylbenzene	0.125	0.136	109	75.0-127	
Carbon tetrachloride	0.125	0.121	96.8	66.0-128	
Chlorobenzene	0.125	0.119	95.2	76.0-128	
Chlorodibromomethane	0.125	0.117	93.6	74.0-127	
Chloroethane	0.125	0.109	87.2	61.0-134	
Chloroform	0.125	0.115	92.0	72.0-123	
Chloromethane	0.125	0.163	130	51.0-138	
2-Chlorotoluene	0.125	0.122	97.6	75.0-124	
4-Chlorotoluene	0.125	0.123	98.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.120	96.0	59.0-130	
1,2-Dibromoethane	0.125	0.123	98.4	74.0-128	
Dibromomethane	0.125	0.120	96.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.131	105	76.0-124	
1,3-Dichlorobenzene	0.125	0.126	101	76.0-125	
1,4-Dichlorobenzene	0.125	0.127	102	77.0-121	
Dichlorodifluoromethane	0.125	0.144	115	43.0-156	
1,1-Dichloroethane	0.125	0.124	99.2	70.0-127	
1,2-Dichloroethane	0.125	0.110	88.0	65.0-131	
1,1-Dichloroethene	0.125	0.123	98.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.114	91.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.116	92.8	71.0-125	
1,2-Dichloropropane	0.125	0.126	101	74.0-125	
1,1-Dichloropropene	0.125	0.122	97.6	73.0-125	
1,3-Dichloropropane	0.125	0.127	102	80.0-125	
cis-1,3-Dichloropropene	0.125	0.125	100	76.0-127	
trans-1,3-Dichloropropene	0.125	0.126	101	73.0-127	
2,2-Dichloropropane	0.125	0.117	93.6	59.0-135	
Di-isopropyl ether	0.125	0.123	98.4	60.0-136	
Ethylbenzene	0.125	0.120	96.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.132	106	57.0-150	
Isopropylbenzene	0.125	0.124	99.2	72.0-127	
p-Isopropyltoluene	0.125	0.127	102	72.0-133	
2-Butanone (MEK)	0.625	0.742	119	30.0-160	
Methylene Chloride	0.125	0.124	99.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.690	110	56.0-143	
Methyl tert-butyl ether	0.125	0.118	94.4	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4077724-1 06/03/24 12:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.127	102	59.0-130	
n-Propylbenzene	0.125	0.127	102	74.0-126	
Styrene	0.125	0.120	96.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.117	93.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.125	100	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.133	106	61.0-139	
Tetrachloroethene	0.125	0.123	98.4	70.0-136	
Toluene	0.125	0.115	92.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.129	103	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.129	103	62.0-137	
1,1,1-Trichloroethane	0.125	0.127	102	69.0-126	
1,1,2-Trichloroethane	0.125	0.121	96.8	78.0-123	
Trichloroethene	0.125	0.125	100	76.0-126	
Trichlorofluoromethane	0.125	0.126	101	61.0-142	
1,2,3-Trichloropropane	0.125	0.123	98.4	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.123	98.4	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.120	96.0	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.129	103	73.0-127	
Vinyl chloride	0.125	0.107	85.6	63.0-134	
Xylenes, Total	0.375	0.369	98.4	72.0-127	
(S) Toluene-d8			*99.4*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Method Blank (MB)

(MB) R4078286-3 06/05/24 16:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
n-Propylbenzene	U		0.000950	0.00500
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078286-1 06/05/24 14:49 • (LCSD) R4078286-2 06/05/24 15:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Isopropylbenzene	0.125	0.140	0.142	112	114	72.0-127			1.42	20
n-Propylbenzene	0.125	0.139	0.154	111	123	74.0-126			10.2	20
(S) Toluene-d8				*107*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*98.6*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.9*	*99.5*	*70.0-130*				

Method Blank (MB)

(MB) R4077212-3 06/03/24 14:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4077212-3 06/03/24 14:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*111*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077212-1 06/03/24 13:42 • (LCSD) R4077212-2 06/03/24 14:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	12.1	16.0	48.4	64.0	19.0-160	J	J J3	27.8	27
Acrolein	25.0	20.9	21.5	83.6	86.0	10.0-160	J	J	2.83	26
Acrylonitrile	25.0	28.5	26.2	114	105	55.0-149			8.41	20
Benzene	5.00	5.03	4.90	101	98.0	70.0-123			2.62	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077212-1 06/03/24 13:42 • (LCSD) R4077212-2 06/03/24 14:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.74	4.78	94.8	95.6	73.0-121			0.840	20
Bromodichloromethane	5.00	4.69	4.62	93.8	92.4	75.0-120			1.50	20
Bromoform	5.00	4.07	3.83	81.4	76.6	68.0-132			6.08	20
Bromomethane	5.00	5.85	5.37	117	107	10.0-160			8.56	25
n-Butylbenzene	5.00	5.05	4.83	101	96.6	73.0-125			4.45	20
sec-Butylbenzene	5.00	4.61	4.71	92.2	94.2	75.0-125			2.15	20
tert-Butylbenzene	5.00	4.77	4.83	95.4	96.6	76.0-124			1.25	20
Carbon tetrachloride	5.00	4.86	4.96	97.2	99.2	68.0-126			2.04	20
Chlorobenzene	5.00	4.80	4.79	96.0	95.8	80.0-121			0.209	20
Chlorodibromomethane	5.00	4.51	4.30	90.2	86.0	77.0-125			4.77	20
Chloroethane	5.00	2.90	4.67	58.0	93.4	47.0-150	J	J J3	46.8	20
Chloroform	5.00	4.95	4.88	99.0	97.6	73.0-120	J	J	1.42	20
Chloromethane	5.00	6.03	5.52	121	110	41.0-142			8.83	20
2-Chlorotoluene	5.00	4.69	4.74	93.8	94.8	76.0-123			1.06	20
4-Chlorotoluene	5.00	4.77	4.80	95.4	96.0	75.0-122			0.627	20
1,2-Dibromo-3-Chloropropane	5.00	4.59	4.31	91.8	86.2	58.0-134	J	J	6.29	20
1,2-Dibromoethane	5.00	5.07	4.77	101	95.4	80.0-122			6.10	20
Dibromomethane	5.00	5.25	4.54	105	90.8	80.0-120			14.5	20
1,2-Dichlorobenzene	5.00	5.06	4.85	101	97.0	79.0-121			4.24	20
1,3-Dichlorobenzene	5.00	4.87	4.73	97.4	94.6	79.0-120			2.92	20
1,4-Dichlorobenzene	5.00	4.88	4.82	97.6	96.4	79.0-120			1.24	20
Dichlorodifluoromethane	5.00	5.77	5.46	115	109	51.0-149			5.52	20
1,1-Dichloroethane	5.00	4.97	4.92	99.4	98.4	70.0-126			1.01	20
1,2-Dichloroethane	5.00	5.08	4.77	102	95.4	70.0-128			6.29	20
1,1-Dichloroethene	5.00	5.30	4.88	106	97.6	71.0-124			8.25	20
cis-1,2-Dichloroethene	5.00	5.03	4.95	101	99.0	73.0-120			1.60	20
trans-1,2-Dichloroethene	5.00	4.52	4.69	90.4	93.8	73.0-120			3.69	20
1,2-Dichloropropane	5.00	5.35	5.00	107	100	77.0-125			6.76	20
1,1-Dichloropropene	5.00	5.31	5.30	106	106	74.0-126			0.189	20
1,3-Dichloropropane	5.00	5.16	4.79	103	95.8	80.0-120			7.44	20
cis-1,3-Dichloropropene	5.00	5.18	4.98	104	99.6	80.0-123			3.94	20
trans-1,3-Dichloropropene	5.00	4.97	5.01	99.4	100	78.0-124			0.802	20
2,2-Dichloropropane	5.00	5.38	4.88	108	97.6	58.0-130			9.75	20
Di-isopropyl ether	5.00	5.33	5.28	107	106	58.0-138			0.943	20
Ethylbenzene	5.00	4.42	4.44	88.4	88.8	79.0-123			0.451	20
Hexachloro-1,3-butadiene	5.00	4.92	4.65	98.4	93.0	54.0-138			5.64	20
Isopropylbenzene	5.00	4.84	4.90	96.8	98.0	76.0-127			1.23	20
p-Isopropyltoluene	5.00	4.78	4.78	95.6	95.6	76.0-125			0.000	20
2-Butanone (MEK)	25.0	19.0	17.7	76.0	70.8	44.0-160			7.08	20
Methylene Chloride	5.00	4.74	5.02	94.8	100	67.0-120	J		5.74	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077212-1 06/03/24 13:42 • (LCSD) R4077212-2 06/03/24 14:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	25.0	28.6	27.8	114	111	68.0-142			2.84	20
Methyl tert-butyl ether	5.00	5.27	5.02	105	100	68.0-125			4.86	20
Naphthalene	5.00	5.82	5.77	116	115	54.0-135			0.863	20
n-Propylbenzene	5.00	4.78	4.74	95.6	94.8	77.0-124			0.840	20
Styrene	5.00	4.92	4.75	98.4	95.0	73.0-130			3.52	20
1,1,1,2-Tetrachloroethane	5.00	4.46	4.45	89.2	89.0	75.0-125			0.224	20
1,1,2,2-Tetrachloroethane	5.00	4.77	4.83	95.4	96.6	65.0-130			1.25	20
1,1,2-Trichlorotrifluoroethane	5.00	5.19	5.13	104	103	69.0-132			1.16	20
Tetrachloroethene	5.00	4.80	4.80	96.0	96.0	72.0-132			0.000	20
Toluene	5.00	4.61	4.65	92.2	93.0	79.0-120			0.864	20
1,2,3-Trichlorobenzene	5.00	5.39	5.33	108	107	50.0-138			1.12	20
1,2,4-Trichlorobenzene	5.00	5.34	5.36	107	107	57.0-137			0.374	20
1,1,1-Trichloroethane	5.00	4.87	5.00	97.4	100	73.0-124			2.63	20
1,1,2-Trichloroethane	5.00	4.97	4.55	99.4	91.0	80.0-120			8.82	20
Trichloroethene	5.00	4.90	4.80	98.0	96.0	78.0-124			2.06	20
Trichlorofluoromethane	5.00	5.40	5.53	108	111	59.0-147			2.38	20
1,2,3-Trichloropropane	5.00	5.32	5.08	106	102	73.0-130			4.62	20
1,2,4-Trimethylbenzene	5.00	5.00	4.77	100	95.4	76.0-121			4.71	20
1,2,3-Trimethylbenzene	5.00	4.94	4.97	98.8	99.4	77.0-120			0.605	20
1,3,5-Trimethylbenzene	5.00	4.78	4.81	95.6	96.2	76.0-122			0.626	20
Vinyl chloride	5.00	4.99	4.67	99.8	93.4	67.0-131			6.63	20
Xylenes, Total	15.0	14.0	13.2	93.3	88.0	79.0-123			5.88	20
(S) Toluene-d8				*102*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*109*	*111*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4075758-1 05/31/24 07:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	34.9	J	33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*58.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4075758-2 05/31/24 08:10 • (LCSD) R4075758-3 05/31/24 08:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	829	966	111	129	50.0-150			15.3	20
C22-C32 Hydrocarbons	750	734	870	97.9	116	50.0-150			17.0	20
(S) o-Terphenyl				*73.0*	*77.5*	*52.0-156*				

Method Blank (MB)

(MB) R4077408-1 06/04/24 21:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*87.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4077408-2 06/04/24 21:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	17.9	71.6	50.0-150	
C22-C32 Hydrocarbons	25.0	15.3	61.2	50.0-150	
(S) o-Terphenyl			*56.8*	*18.0-148*	

L1740925-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-01 06/05/24 00:55 • (MS) R4077408-3 06/05/24 01:09 • (MSD) R4077408-4 06/05/24 01:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	29.3	11.5	31.0	32.2	66.9	71.0	5	50.0-150			3.77	20
C22-C32 Hydrocarbons	29.3	62.1	88.7	88.7	91.0	91.0	5	50.0-150			0.000	20
(S) o-Terphenyl					*44.8*	*52.8*		*18.0-148*				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4076823-1 06/03/24 17:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*85.3*			*10.0-135*
(S) Tetrachloro-m-xylene	*73.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4076823-2 06/03/24 17:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.139	83.2	36.0-141	
PCB 1260	0.167	0.145	86.8	37.0-145	
(S) Decachlorobiphenyl			*101*	*10.0-135*	
(S) Tetrachloro-m-xylene			*85.9*	*10.0-139*	

L1740713-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740713-02 06/03/24 18:32 • (MS) R4076823-3 06/03/24 18:41 • (MSD) R4076823-4 06/03/24 18:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.167	U	0.0775	0.115	46.4	68.9	1	10.0-160		J3	39.0	37
PCB 1260	0.167	U	0.168	0.118	101	70.7	1	10.0-160	P		35.0	38
(S) Decachlorobiphenyl					*62.9*	*77.6*		*10.0-135*				
(S) Tetrachloro-m-xylene					*63.5*	*76.9*		*10.0-139*				

Method Blank (MB)

(MB) R4082843-1 06/14/24 20:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*117*			*10.0-135*
(S) Tetrachloro-m-xylene	*117*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4082843-2 06/14/24 20:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.206	123	36.0-141	
PCB 1260	0.167	0.219	131	37.0-145	
(S) Decachlorobiphenyl			*126*	*10.0-135*	
(S) Tetrachloro-m-xylene			*123*	*10.0-139*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/14/24 21:24 • (MS) R4082843-3 06/14/24 21:33 • (MSD) R4082843-4 06/14/24 21:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.201	U	0.588	0.389	293	195	1	10.0-160	J5 P	J3 J5 P	40.6	37
PCB 1260	0.201	U	0.156	0.190	77.6	95.1	1	10.0-160	P	P	19.7	38
(S) Decachlorobiphenyl					*83.8*	*79.7*		*10.0-135*				
(S) Tetrachloro-m-xylene					*86.2*	*75.0*		*10.0-139*				

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*60.5*			*12.0-120*
(S) Phenol-d5	*57.5*			*10.0-120*
(S) Nitrobenzene-d5	*46.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.6*			*10.0-127*
(S) p-Terphenyl-d14	*64.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.460	69.1	38.0-120	
Acenaphthylene	0.666	0.505	75.8	40.0-120	
Anthracene	0.666	0.520	78.1	42.0-120	
Benzidine	1.33	0.244	18.3	10.0-120	J
Benzo(a)anthracene	0.666	0.553	83.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.511	76.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.491	73.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.573	86.0	43.0-120	
Benzo(a)pyrene	0.666	0.538	80.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.359	53.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.425	63.8	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.429	64.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.511	76.7	40.0-120	
2-Chloronaphthalene	0.666	0.436	65.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.498	74.8	40.0-120	
Chrysene	0.666	0.514	77.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.596	89.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.435	65.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.428	64.3	30.0-120	
1,4-Dichlorobenzene	0.666	0.454	68.2	31.0-120	
3,3-Dichlorobenzidine	1.33	0.917	68.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.523	78.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.524	78.7	42.0-120	
Fluoranthene	0.666	0.522	78.4	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.480	72.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.375	56.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.373	56.0	15.0-120	
Hexachloroethane	0.666	0.427	64.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.640	96.1	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.379	56.9	18.0-120	
Nitrobenzene	0.666	0.347	52.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.338	50.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.458	68.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.428	64.3	26.0-120	
Phenanthrene	0.666	0.491	73.7	42.0-120	
Benzylbutyl phthalate	0.666	0.559	83.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.567	85.1	41.0-120	
Di-n-butyl phthalate	0.666	0.508	76.3	43.0-120	
Diethyl phthalate	0.666	0.522	78.4	43.0-120	
Dimethyl phthalate	0.666	0.498	74.8	43.0-120	
Di-n-octyl phthalate	0.666	0.561	84.2	40.0-120	
Pyrene	0.666	0.531	79.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.391	58.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.408	61.3	28.0-120	
2-Chlorophenol	0.666	0.469	70.4	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.366	55.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.626	94.0	16.0-120	
2,4-Dinitrophenol	0.666	0.434	65.2	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.443	66.5	20.0-120	
4-Nitrophenol	0.666	0.515	77.3	27.0-120	
Pentachlorophenol	0.666	0.351	52.7	29.0-120	
Phenol	0.666	0.450	67.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*76.9*	*12.0-120*	
(S) Phenol-d5			*71.0*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*69.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*67.7*	*10.0-127*	
(S) p-Terphenyl-d14			*78.4*	*10.0-120*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.798	0.00660	0.428	0.393	52.8	48.4	1	18.0-120			8.59	32
Acenaphthylene	0.798	U	0.437	0.417	54.7	52.3	1	25.0-120			4.56	32
Anthracene	0.798	0.00737	0.515	0.442	63.6	54.4	1	22.0-120			15.3	29
Benzidine	1.59	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.798	0.129	0.745	0.535	77.1	50.9	1	25.0-120		J3	32.7	29
Benzo(b)fluoranthene	0.798	0.206	0.829	0.529	78.0	40.5	1	19.0-122		J3	44.1	31
Benzo(k)fluoranthene	0.798	0.0623	0.579	0.438	64.8	47.1	1	23.0-120			27.8	30
Benzo(g,h,i)perylene	0.798	0.118	0.688	0.482	71.4	45.6	1	10.0-120		J3	35.2	33
Benzo(a)pyrene	0.798	0.151	0.762	0.521	76.5	46.3	1	24.0-120		J3	37.6	30
Bis(2-chlorethoxy)methane	0.798	U	0.224	0.262	28.0	32.8	1	10.0-120	J	J	15.5	34
Bis(2-chloroethyl)ether	0.798	U	0.273	0.313	34.1	39.2	1	10.0-120	J	J	13.7	40
2,2-Oxybis(1-Chloropropane)	0.798	U	0.235	0.307	29.4	38.4	1	10.0-120	J	J	26.5	40
4-Bromophenyl-phenylether	0.798	U	0.511	0.486	64.0	60.8	1	27.0-120			5.13	30
2-Chloronaphthalene	0.798	U	0.360	0.346	45.1	43.3	1	20.0-120			4.14	32
4-Chlorophenyl-phenylether	0.798	U	0.481	0.447	60.2	55.9	1	24.0-120			7.35	29
Chrysene	0.798	0.193	0.819	0.554	78.4	45.1	1	21.0-120		J3	38.7	29
Dibenz(a,h)anthracene	0.798	0.0340	0.570	0.459	67.1	53.2	1	10.0-120			21.5	32
1,2-Dichlorobenzene	0.798	U	0.231	0.291	29.0	36.4	1	10.0-120	J	J	22.8	38
1,3-Dichlorobenzene	0.798	U	0.221	0.285	27.7	35.7	1	10.0-120	J	J	25.0	40
1,4-Dichlorobenzene	0.798	U	0.245	0.315	30.6	39.5	1	10.0-120	J	J	25.2	39
3,3-Dichlorobenzidine	1.59	U	0.773	0.773	48.5	48.5	1	10.0-120			0.000	34
2,4-Dinitrotoluene	0.798	U	0.427	0.454	53.5	56.9	1	30.0-120			6.08	31

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.798	U	0.421	0.427	52.7	53.5	1	25.0-120			1.43	31
Fluoranthene	0.798	0.119	0.717	0.538	74.9	52.5	1	18.0-126			28.5	32
Fluorene	0.798	0.00824	0.461	0.419	56.7	51.4	1	25.0-120			9.68	30
Hexachlorobenzene	0.798	U	0.484	0.426	60.7	53.4	1	27.0-120			12.8	28
Hexachloro-1,3-butadiene	0.798	U	0.254	0.288	31.9	36.1	1	10.0-120	J	J	12.6	38
Hexachlorocyclopentadiene	0.798	U	0.0301	0.0651	3.77	8.16	1	10.0-120	J J6	J J3 J6	73.7	40
Hexachloroethane	0.798	U	0.214	0.305	26.8	38.3	1	10.0-120	J	J	35.1	40
Indeno(1,2,3-cd)pyrene	0.798	0.129	0.793	0.566	83.2	54.7	1	10.0-120		J3	33.5	32
Isophorone	0.798	U	0.236	0.273	29.6	34.1	1	13.0-120	J	J	14.4	34
Naphthalene	0.798	0.0107	0.260	0.291	31.3	35.1	1	10.0-120			11.0	35
Nitrobenzene	0.798	U	0.191	0.248	23.9	31.1	1	10.0-120	J	J	26.0	36
n-Nitrosodimethylamine	0.798	U	0.163	0.212	20.4	26.5	1	10.0-127	J	J	26.0	40
n-Nitrosodiphenylamine	0.798	U	0.462	0.420	57.9	52.6	1	17.0-120			9.66	29
n-Nitrosodi-n-propylamine	0.798	U	0.248	0.293	31.1	36.7	1	10.0-120	J	J	16.6	37
Phenanthrene	0.798	0.0555	0.571	0.467	64.5	51.6	1	17.0-120			19.9	31
Benzylbutyl phthalate	0.798	U	0.534	0.471	66.9	59.0	1	23.0-120			12.6	30
Bis(2-ethylhexyl)phthalate	0.798	0.103	0.664	0.540	70.4	54.8	1	17.0-126			20.6	30
Di-n-butyl phthalate	0.798	U	0.495	0.443	62.0	55.5	1	30.0-120			11.2	29
Diethyl phthalate	0.798	U	0.493	0.469	61.7	58.7	1	26.0-120			5.06	28
Dimethyl phthalate	0.798	U	0.428	0.405	53.7	50.8	1	25.0-120		J	5.55	29
Di-n-octyl phthalate	0.798	U	0.540	0.504	67.7	63.1	1	21.0-123			6.99	29
Pyrene	0.798	0.153	0.744	0.537	73.9	48.0	1	16.0-121		J3	32.3	32
1,2,4-Trichlorobenzene	0.798	U	0.269	0.296	33.7	37.0	1	12.0-120	J	J	9.48	37
4-Chloro-3-methylphenol	0.798	U	0.406	0.359	50.9	45.0	1	15.0-120		J	12.4	30
2-Chlorophenol	0.798	U	0.269	0.330	33.7	41.3	1	15.0-120	J	J	20.3	37
2,4-Dichlorophenol	0.798	U	0.336	0.341	42.1	42.7	1	20.0-120	J	J	1.44	31
2,4-Dimethylphenol	0.798	U	0.302	0.305	37.8	38.3	1	10.0-120	J	J	1.20	33
4,6-Dinitro-2-methylphenol	0.798	U	0.523	0.494	65.5	61.9	1	10.0-120			5.74	39
2,4-Dinitrophenol	0.798	U	0.451	0.372	56.6	46.6	1	10.0-121		J	19.2	40
2-Nitrophenol	0.798	U	0.262	0.330	32.8	41.3	1	12.0-120	J	J	23.0	39
4-Nitrophenol	0.798	U	0.511	0.483	64.0	60.5	1	10.0-137			5.63	32
Pentachlorophenol	0.798	U	0.409	0.341	51.2	42.7	1	10.0-160		J	18.2	31
Phenol	0.798	U	0.277	0.333	34.8	41.8	1	12.0-120	J	J	18.3	38
2,4,6-Trichlorophenol	0.798	U	0.432	0.411	54.1	51.5	1	19.0-120			4.91	32
(S) 2-Fluorophenol					*34.5*	*43.7*		*12.0-120*				
(S) Phenol-d5					*37.2*	*43.9*		*10.0-120*				
(S) Nitrobenzene-d5					*22.8*	*30.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*45.1*	*44.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*59.5*	*54.1*		*10.0-127*				

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*59.8*	*54.0*		*10.0-120*				

Method Blank (MB)

(MB) R4078668-2 06/06/24 18:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078668-2 06/06/24 18:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*74.3*			*12.0-120*
(S) Phenol-d5	*67.3*			*10.0-120*
(S) Nitrobenzene-d5	*61.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*64.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*61.9*			*10.0-127*
(S) p-Terphenyl-d14	*68.5*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.396	59.5	38.0-120	
Acenaphthylene	0.666	0.410	61.6	40.0-120	
Anthracene	0.666	0.404	60.7	42.0-120	
Benzidine	1.33	0.488	36.7	10.0-120	J
Benzo(a)anthracene	0.666	0.423	63.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.418	62.8	43.0-120	
Benzo(k)fluoranthene	0.666	0.415	62.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.409	61.4	43.0-120	
Benzo(a)pyrene	0.666	0.425	63.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.351	52.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.430	64.6	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.383	57.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.436	65.5	40.0-120	
2-Chloronaphthalene	0.666	0.389	58.4	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.446	67.0	40.0-120	
Chrysene	0.666	0.411	61.7	43.0-120	
Dibenz(a,h)anthracene	0.666	0.413	62.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.379	56.9	32.0-120	
1,3-Dichlorobenzene	0.666	0.377	56.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.371	55.7	31.0-120	
3,3-Dichlorobenzidine	1.33	0.824	62.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.462	69.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.456	68.5	42.0-120	
Fluoranthene	0.666	0.438	65.8	44.0-120	
Fluorene	0.666	0.421	63.2	41.0-120	
Hexachlorobenzene	0.666	0.422	63.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.373	56.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.300	45.0	15.0-120	J
Hexachloroethane	0.666	0.399	59.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.404	60.7	45.0-120	
Isophorone	0.666	0.354	53.2	23.0-120	
Naphthalene	0.666	0.329	49.4	18.0-120	
Nitrobenzene	0.666	0.357	53.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.289	43.4	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.406	61.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.396	59.5	26.0-120	
Phenanthrene	0.666	0.404	60.7	42.0-120	
Benzylbutyl phthalate	0.666	0.457	68.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.437	65.6	41.0-120	
Di-n-butyl phthalate	0.666	0.411	61.7	43.0-120	
Diethyl phthalate	0.666	0.434	65.2	43.0-120	
Dimethyl phthalate	0.666	0.427	64.1	43.0-120	
Di-n-octyl phthalate	0.666	0.448	67.3	40.0-120	
Pyrene	0.666	0.428	64.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.354	53.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.373	56.0	28.0-120	
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.378	56.8	25.0-120	
2,4-Dimethylphenol	0.666	0.437	65.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.490	73.6	16.0-120	
2,4-Dinitrophenol	0.666	0.405	60.8	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.411	61.7	20.0-120	
4-Nitrophenol	0.666	0.390	58.6	27.0-120	
Pentachlorophenol	0.666	0.359	53.9	29.0-120	
Phenol	0.666	0.412	61.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.414	62.2	37.0-120	
(S) 2-Fluorophenol			*75.2*	*12.0-120*	
(S) Phenol-d5			*65.6*	*10.0-120*	
(S) Nitrobenzene-d5			*51.7*	*10.0-122*	
(S) 2-Fluorobiphenyl			*65.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*63.4*	*10.0-127*	
(S) p-Terphenyl-d14			*65.8*	*10.0-120*	

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.887	U	0.487	0.537	55.0	60.5	2	18.0-120			9.65	32
Acenaphthylene	0.887	0.0194	0.502	0.566	54.4	61.7	2	25.0-120			12.0	32
Anthracene	0.887	0.0219	0.552	0.586	59.7	63.6	2	22.0-120			6.10	29
Benzidine	1.78	U	U	0.212	0.000	12.0	2	10.0-120	J6	J J3	200	40
Benzo(a)anthracene	0.887	0.168	0.662	0.771	55.7	67.9	2	25.0-120			15.1	29
Benzo(b)fluoranthene	0.887	0.304	0.669	0.787	41.1	54.4	2	19.0-122			16.1	31
Benzo(k)fluoranthene	0.887	0.0940	0.573	0.648	54.0	62.4	2	23.0-120			12.3	30
Benzo(g,h,i)perylene	0.887	0.158	0.530	0.613	42.0	51.4	2	10.0-120			14.5	33
Benzo(a)pyrene	0.887	0.211	0.654	0.752	50.0	61.0	2	24.0-120			13.9	30
Bis(2-chlorethoxy)methane	0.887	U	0.419	0.447	47.3	50.5	2	10.0-120	J	J	6.47	34
Bis(2-chloroethyl)ether	0.887	U	0.453	0.494	51.1	55.7	2	10.0-120	J	J	8.74	40
2,2-Oxybis(1-Chloropropane)	0.887	U	0.382	0.418	43.1	47.1	2	10.0-120	J	J	9.02	40
4-Bromophenyl-phenylether	0.887	U	0.580	0.617	65.4	69.6	2	27.0-120	J	J	6.25	30
2-Chloronaphthalene	0.887	U	0.458	0.506	51.7	57.1	2	20.0-120			9.97	32
4-Chlorophenyl-phenylether	0.887	U	0.577	0.626	65.1	70.6	2	24.0-120	J	J	8.21	29
Chrysene	0.887	0.260	0.668	0.780	45.9	58.6	2	21.0-120			15.5	29
Dibenz(a,h)anthracene	0.887	0.0447	0.522	0.572	53.8	59.4	2	10.0-120			9.04	32
1,2-Dichlorobenzene	0.887	U	0.390	0.439	44.0	49.5	2	10.0-120	J	J	11.9	38
1,3-Dichlorobenzene	0.887	U	0.379	0.402	42.8	45.3	2	10.0-120	J	J	5.81	40
1,4-Dichlorobenzene	0.887	U	0.379	0.405	42.8	45.6	2	10.0-120	J	J	6.47	39
3,3-Dichlorobenzidine	1.78	U	1.12	1.18	62.9	66.5	2	10.0-120			5.58	34
2,4-Dinitrotoluene	0.887	U	0.613	0.672	69.1	75.8	2	30.0-120	J	J	9.15	31

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.887	U	0.576	0.632	64.9	71.2	2	25.0-120	J	J	9.29	31
Fluoranthene	0.887	0.219	0.721	0.841	56.6	70.2	2	18.0-126			15.4	32
Fluorene	0.887	U	0.541	0.590	61.0	66.6	2	25.0-120			8.74	30
Hexachlorobenzene	0.887	U	0.593	0.596	66.9	67.2	2	27.0-120	J	J	0.449	28
Hexachloro-1,3-butadiene	0.887	U	0.483	0.540	54.5	60.8	2	10.0-120	J	J	11.0	38
Hexachlorocyclopentadiene	0.887	U	0.0501	0.0636	5.65	7.17	2	10.0-120	J J6	J J6	23.7	40
Hexachloroethane	0.887	U	0.389	0.427	43.8	48.2	2	10.0-120	J	J	9.49	40
Indeno(1,2,3-cd)pyrene	0.887	0.159	0.574	0.638	46.8	54.1	2	10.0-120			10.6	32
Isophorone	0.887	U	0.438	0.459	49.4	51.8	2	13.0-120	J	J	4.76	34
Naphthalene	0.887	U	0.406	0.434	45.8	48.9	2	10.0-120			6.68	35
Nitrobenzene	0.887	U	0.403	0.429	45.5	48.3	2	10.0-120	J	J	6.10	36
n-Nitrosodimethylamine	0.887	U	0.326	0.295	36.7	33.3	2	10.0-127	J	J	9.89	40
n-Nitrosodiphenylamine	0.887	U	0.525	0.572	59.2	64.5	2	17.0-120	J	J	8.53	29
n-Nitrosodi-n-propylamine	0.887	U	0.411	0.446	46.4	50.3	2	10.0-120	J	J	8.10	37
Phenanthrene	0.887	0.0714	0.578	0.642	57.2	64.4	2	17.0-120			10.5	31
Benzylbutyl phthalate	0.887	U	0.610	0.645	68.8	72.7	2	23.0-120	J	J	5.53	30
Bis(2-ethylhexyl)phthalate	0.887	U	0.585	0.638	66.0	72.0	2	17.0-126	J	J	8.73	30
Di-n-butyl phthalate	0.887	U	0.574	0.596	64.8	67.2	2	30.0-120	J	J	3.65	29
Diethyl phthalate	0.887	U	0.585	0.601	66.0	67.8	2	26.0-120	J	J	2.70	28
Dimethyl phthalate	0.887	U	0.549	0.580	61.9	65.4	2	25.0-120	J	J	5.44	29
Di-n-octyl phthalate	0.887	U	0.638	0.676	72.0	76.2	2	21.0-123	J	J	5.69	29
Pyrene	0.887	0.235	0.670	0.791	49.1	62.7	2	16.0-121			16.5	32
1,2,4-Trichlorobenzene	0.887	U	0.426	0.479	48.0	54.1	2	12.0-120	J	J	11.8	37
4-Chloro-3-methylphenol	0.887	U	0.557	0.577	62.8	65.1	2	15.0-120	J	J	3.53	30
2-Chlorophenol	0.887	U	0.481	0.510	54.2	57.5	2	15.0-120	J	J	5.93	37
2,4-Dichlorophenol	0.887	U	0.494	0.573	55.7	64.6	2	20.0-120	J	J	14.8	31
2,4-Dimethylphenol	0.887	U	0.556	0.589	62.7	66.4	2	10.0-120	J	J	5.83	33
4,6-Dinitro-2-methylphenol	0.887	U	0.473	0.506	53.3	57.1	2	10.0-120	J	J	6.82	39
2,4-Dinitrophenol	0.887	U	0.399	0.378	45.0	42.6	2	10.0-121	J	J	5.50	40
2-Nitrophenol	0.887	U	0.499	0.552	56.3	62.2	2	12.0-120	J	J	9.91	39
4-Nitrophenol	0.887	U	0.576	0.625	64.9	70.5	2	10.0-137	J	J	8.23	32
Pentachlorophenol	0.887	U	0.618	0.641	69.7	72.3	2	10.0-160	J	J	3.61	31
Phenol	0.887	U	0.449	0.465	50.6	52.4	2	12.0-120	J	J	3.51	38
2,4,6-Trichlorophenol	0.887	U	0.544	0.598	61.3	67.5	2	19.0-120	J	J	9.59	32
(S) 2-Fluorophenol					*59.0*	*61.9*		*12.0-120*				
(S) Phenol-d5					*53.2*	*57.8*		*10.0-120*				
(S) Nitrobenzene-d5					*42.8*	*48.8*		*10.0-122*				
(S) 2-Fluorobiphenyl					*53.0*	*59.6*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*66.7*	*67.5*		*10.0-127*				

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) p-Terphenyl-d14					*66.9*	*67.2*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: (PT) MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates Inc

Lab Project # **ROUXOCA-CA**

Collected by (print): Dylan B

Site/Facility ID # ABI Foundry

P.O. # 1793,0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # P1076441

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 6

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740925

Table # G159

Acctnum: ROUXOCA

Template: T253291

Prelogin: P1076441

PM: 3500 - Jennifer Gambill

PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH 10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-B4-1-1.0	Grab	SS	1	5/23/24	1545	4	○	○	●	●	●			
G/UC-B4-1-2.0		SS	2		1550		○	○	●	●	●	●		
G/UC-B4-1-3.0		SS	3		1600		●	●	●	○	●	○		
G/UC-B4-1-4.0		SS	4		1605		○	○	○	○	○	○		
G/UC-B4-1-5.0		SS	5		1613		●	●	○	○	○	●		
G/UC-B4-1-8.0		SS	8		1605		○	○	○	○	○	○		
G/UC-B4-1-10.0	↓	SS	10	↓	1615	↓	○	○	○	○	○	●		
SVP-45-8-5.0	Grab	SS	5	5/28/24	1110	3	●	●				●		-01
SVP-06-8-5.0	Grab	SS	5	5/28/24	935	3	●	●				●		-02
EB-052824	—	WW SS PO	—	5/28/24	1520	9	●	●	●			●		-03

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = Analyze ○ = Hold

pH _____ Temp _____

Flow _____ Other _____

PH-10BDH5021 TRC-2352362
CR6-20221V

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature)	Date: 5/28/24	Time: 1513	Received by: (Signature)	Trip Blank Received: (Yes) No HCL / MeoH TBR 2
Relinquished by: (Signature)	Date: 5/28/24	Time: 16:30	Received by: (Signature) SW # CAR60	Temp: °C Bottles Received: 122
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Ashley Bortz	Date: 05/29/2024 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/BS-D4-1-1.0	Grab	SS	1.0	05/28/24	0845	3	○	○	●	●	●			-04
G/BS-D4-1-2.0	Grab	SS	2.0		0850	4	○	○	●	○	●	●		-05
G/BS-D4-1-3.0	Grab	SS	3.0		0855	4	●	●	●	○	●	●		-06
G/BS-D4-1-4.0	Grab	SS	4.0		0900	4	○	○	○	○	○	○		-07
G/BS-D4-1-5.0	Grab	SS	5.0	↓	0920.	4	●	●	○	○	○	●		-08
		SS												

Chain of Custody Page 2 of 4

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SDG # L1740925

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 05/28/24	Time: 1515.	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date: 52624	Time: 18:30	Received by: (Signature) SWA CARGO	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Ashley Bostic	Date: 05/29/2024 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

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Packed on Ice N ___ Y X

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___ Same Day ___ Five Day
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___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-E2-1-1.0	Grab	SS	1.0	05/28/24	1145	3	○	○	●	●	●			-09
G-E2-1-2.0	Grab	SS	2.0		1155	4	○	○	●	○	●	●		-10
G-E2-1-3.0	Grab	SS	3.0		1205	4	●	●	●	○	●	●		-11
G-E2-1-4.0	Grab	SS	4.0		1145	4	○	○	○	○	○	○		-12
G-E2-1-5.0	Grab	SS	5.0		1120	4	●	●	○	○	○	●		-13
		SS												

Chain of Custody Page 3 of 6

Pace
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SDG # L1740925

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __ Y __N
Preservation Correct/Checked: X Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/28/24	1815			
Relinquished by : (Signature)	Date: 5.28.24	Time: 16:30	Received by: (Signature) SWA CARGO	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Ashley Barth	Date: 05/29/2024 Time: 0800	Hold: Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates, Inc.

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature): [signature]
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # P1076441

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-E3-1-1.0	Grab	SS	1.0	05/28/24	1005	3	○	○	●	●	●			-14
G-E3-1-2.0	Grab	SS	2.0		1010	4	○	○	●	●	●	●		-15
G-E3-1-3.0	Grab	SS	3.0		1020	4	●	●	●	○	●	●		-16
G-E3-1-4.0	Grab	SS	4.0		1030	4	○	○	○	○	○	○		-17
G-E3-1-5.0	Grab	SS	5.0		1040	4	●	●	○	○	○	●		-18
TB-052824.	↓	~~SS~~ W	—	↓		2						X		-19
EB-052824.	↓	W	—	5/28			X	X	X			X		

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L740925

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # [signature]

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
[signature]	05/28/24	1615	[signature]		
[signature]	5.28.24	16:30	SWA CARGO	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Ashley Bartle	05/29/2024 0800	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 5 of 6

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740925

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-F1-1-1.0	Grab	SS	1.0	05/28/24	1400	4	○	○	●	●	●			-20
G-F1-1-2.0	Grab	SS	2.0		1410	4	○	○	●	●	●	●		-21
G-F1-1-3.0	Grab	SS	3.0		1420	4	●	●	●	○	●	●		-22
G-F1-1-4.0	Grab	SS	4.0		1430	4	○	○	○	○	○	○		-23
G-F1-1-5.0	Grab	SS	5.0		1440	4	●	●	○	○	○	●		-24
		SS												

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y X N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5/28/24	1515			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5.29.24	15:30	SWA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Abby Booth	05/29/2024 0800	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # AB&I

Lab Project # **ROUXOCA-CA**

Collected by (print): Dylan B

Site/Facility ID # Page 1

P.O. # Page 1

Collected by (signature):

Immediately Packed on Ice N___ Y___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # Page 1

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAERLVI 40mlAmb-HCl-BT	GROCA 40mlAmb HCl	M6010CAM17 250mlHDPE-HNO3	M6010DCAM17 (FF) 250mlHDPE-HNO3	V8260 40mlAmb-HCl						Remarks	Sample # (lab only)
P-06	Grab	GW	~	5/28/24	1408	9	X	X	X	X	X							-25
P-08		GW	~	5/28/24	1300	9	X	X	X	X	X							-26
DUP-03		GW	~	5/28/24	1200	9	X	X	X	X	X							-27
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X	DS						
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							
		GW				9	X	X	X	X	X							

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1740925

Table #

Acctnum: **ROUXOCA**
Template:**T253289**
Prelogin: **P1076384**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 5/28/24	Time: 1515	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 5.28.24	Time: 16:30	Received by: (Signature) SWA CAR 60	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 05/29/2024 Time: 0800	Hold: Condition: NCF / OK

LT40925

Tracking Numbers	Temperature
SWA	EOA6 1.2 = 1.3
SWA	EOA6 2.3 = 2.4

Ashley Baxter
Name

05/29/2024
Date

ANALYTICAL REPORT

October 01, 2024

Revised Report

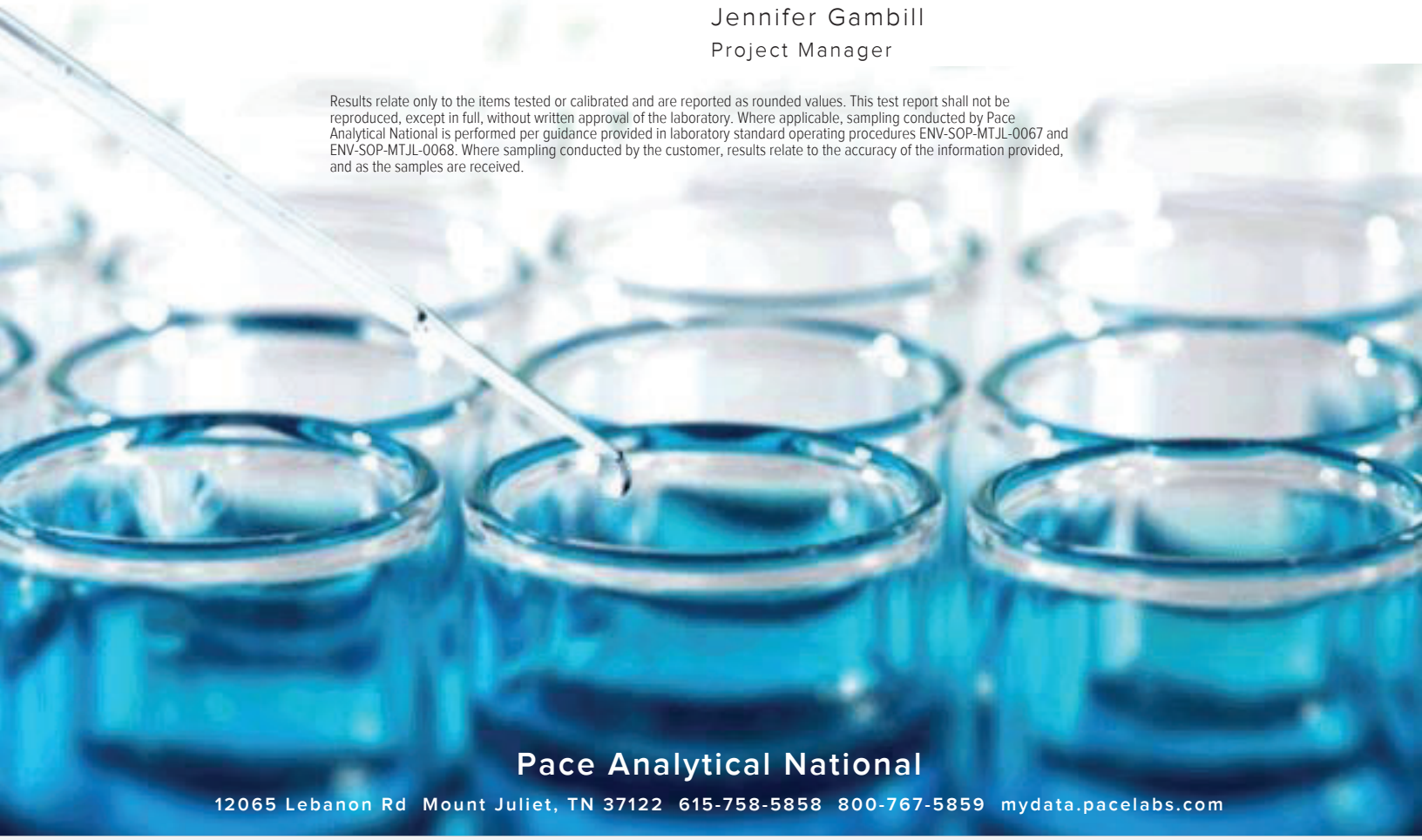
Roux - Oakland, CA

Sample Delivery Group:	L1741416
Samples Received:	05/30/2024
Project Number:	ROUX ASSOCIATES.INC
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SVP-10-8-5.0 L1741416-01 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 07:58	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297459	25	05/29/24 07:58	06/03/24 17:54	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 07:58	06/04/24 20:03	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	1	06/05/24 12:40	06/06/24 02:04	JAS	Mt. Juliet, TN

SVP-25-8-8.0 L1741416-02 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 08:32	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297459	25	05/29/24 08:32	06/03/24 18:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 08:32	06/04/24 20:32	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	1	06/05/24 12:40	06/06/24 02:18	JAS	Mt. Juliet, TN

SVP-36-5-5.0 L1741416-03 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 09:15	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297459	25	05/29/24 09:15	06/03/24 18:33	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 09:15	06/04/24 20:54	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	50	06/05/24 12:40	06/06/24 11:11	JAS	Mt. Juliet, TN

SVP-36-8-8.0 L1741416-04 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 09:11	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300304	250	05/29/24 09:11	06/07/24 01:26	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 09:11	06/04/24 21:14	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	20	06/05/24 12:40	06/06/24 11:25	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	5	06/05/24 12:40	06/06/24 03:45	JAS	Mt. Juliet, TN

SVP-61-4-4.0 L1741416-05 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 11:57	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300918	25	05/29/24 11:57	06/07/24 19:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 11:57	06/04/24 21:42	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299427	1	06/05/24 12:40	06/06/24 02:33	JAS	Mt. Juliet, TN

SVP-62-4-4.0 L1741416-06 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 11:20	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	41.5	05/29/24 11:20	06/04/24 01:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1.66	05/29/24 11:20	06/04/24 22:11	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 20:46	JAS	Mt. Juliet, TN

EB-052924 L1741416-07 GW

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 14:50 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2296182	1	06/03/24 14:38	06/04/24 13:30	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2308134	1	06/22/24 09:37	07/02/24 14:41	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2308134	1	06/22/24 09:37	07/02/24 18:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299053	1	06/05/24 14:14	06/05/24 14:14	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299010	1	06/05/24 22:54	06/05/24 22:54	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 13:25	DMG	Mt. Juliet, TN

TB-052924 L1741416-08 GW

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 12:00 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299010	1	06/05/24 23:13	06/05/24 23:13	ADM	Mt. Juliet, TN

G-G1-1-1.0 L1741416-12 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 13:30 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 14:55	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297323	1	06/05/24 13:32	06/08/24 10:14	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2306105	25	05/29/24 13:30	06/16/24 13:58	NCD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/05/24 23:28	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	10	06/06/24 07:40	06/08/24 01:43	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 22:14	DSH	Mt. Juliet, TN

G-G1-1-2.0 L1741416-13 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 13:35 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 14:57	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297407	1	06/04/24 23:20	06/06/24 00:23	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297407	5	06/04/24 23:20	06/06/24 18:24	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2306105	25	05/29/24 13:35	06/16/24 14:20	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 13:35	06/04/24 22:30	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303717	1	06/12/24 15:57	06/12/24 19:55	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/05/24 23:37	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301376	1	06/10/24 18:28	06/11/24 21:34	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301376	5	06/10/24 18:28	06/12/24 13:36	ALM	Mt. Juliet, TN

G-G1-1-3.0 L1741416-14 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 13:40 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296616	1	06/01/24 10:51	06/01/24 11:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 15:00	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297407	1	06/04/24 23:20	06/06/24 00:25	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	29	05/29/24 13:40	06/04/24 02:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1.16	05/29/24 13:40	06/04/24 22:49	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	50	06/06/24 09:41	06/06/24 23:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 05:22	ALM	Mt. Juliet, TN

G-G1-1-4.0 L1741416-15 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 13:50	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303727	1	06/13/24 07:14	06/13/24 07:19	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:13	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2306105	25	05/29/24 13:50	06/16/24 14:41	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303717	20	06/12/24 15:57	06/12/24 22:33	JAS	Mt. Juliet, TN

G-G1-1-5.0 L1741416-16 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 14:00	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 14:00	06/04/24 02:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 14:00	06/04/24 23:12	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	20	06/06/24 09:41	06/06/24 21:55	JAS	Mt. Juliet, TN

G-G2-1-1.0 L1741416-17 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 11:50	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 15:02	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297097	1	06/04/24 12:37	06/05/24 00:06	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2307455	28.7	05/29/24 11:50	06/18/24 18:51	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2300315	1	06/05/24 11:42	06/10/24 12:20	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 22:34	DSH	Mt. Juliet, TN

G-G2-1-2.0 L1741416-18 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 11:55	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 13:42	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297407	1	06/04/24 23:20	06/06/24 00:27	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2306105	25	05/29/24 11:55	06/16/24 15:02	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 11:55	06/04/24 23:32	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303717	1	06/12/24 15:57	06/12/24 20:09	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/05/24 23:56	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	1	06/06/24 07:40	06/06/24 19:31	DSH	Mt. Juliet, TN

G-G2-1-3.0 L1741416-19 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 12:00	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296379	1	05/31/24 14:10	06/01/24 13:44	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297407	1	06/04/24 23:20	06/06/24 00:28	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	111	05/29/24 12:00	06/05/24 07:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	8	05/29/24 12:00	06/05/24 01:25	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299808	8.88	05/29/24 12:00	06/07/24 02:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	500	06/06/24 09:41	06/06/24 23:04	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 06:08	ALM	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-G2-1-4.0 L1741416-20 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 12:05 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2301199	1	06/08/24 10:58	06/08/24 11:13	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2304258	1	06/13/24 13:24	06/14/24 09:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2305335	1	06/18/24 22:41	06/19/24 09:46	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2306312	25	05/29/24 12:05	06/17/24 11:02	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303955	2	05/29/24 12:05	06/12/24 23:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303717	50	06/12/24 15:57	06/12/24 21:35	JAS	Mt. Juliet, TN

G-G2-1-5.0 L1741416-21 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 12:10 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 12:10	06/04/24 02:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298438	1	05/29/24 12:10	06/04/24 23:54	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	20	06/06/24 09:41	06/06/24 22:09	JAS	Mt. Juliet, TN

G-G3-1-1.0 L1741416-22 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 10:40 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296693	1	06/01/24 11:00	06/02/24 23:53	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 19:23	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/08/24 18:03	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2300315	2	06/05/24 11:42	06/08/24 00:42	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 19:51	DSH	Mt. Juliet, TN

G-G3-1-2.0 L1741416-23 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 10:45 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296693	1	06/01/24 11:00	06/03/24 00:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 19:26	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 10:45	06/05/24 04:29	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2300315	2	06/05/24 11:42	06/08/24 00:32	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	1	06/10/24 16:37	06/11/24 02:16	ALM	Mt. Juliet, TN

G-G3-1-3.0 L1741416-24 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 10:50 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296693	1	06/01/24 11:00	06/03/24 00:02	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 19:30	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 10:50	06/04/24 06:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 10:50	06/05/24 04:48	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 20:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	1	06/10/24 16:37	06/11/24 02:37	ALM	Mt. Juliet, TN

G-G3-1-5.0 L1741416-26 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 11:05	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 11:05	06/04/24 07:18	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 11:05	06/05/24 05:07	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 18:54	JAS	Mt. Juliet, TN

G/BS-F4-1-1.0 L1741416-27 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 09:30	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296617	1	06/01/24 10:38	06/01/24 10:49	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296693	1	06/01/24 11:00	06/03/24 00:05	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:35	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/08/24 18:05	ZSA	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	5	06/05/24 14:42	06/08/24 17:58	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298713	1	06/05/24 11:42	06/06/24 00:24	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299140	2	06/06/24 07:40	06/06/24 23:15	DSH	Mt. Juliet, TN

G/BS-F4-1-2.0 L1741416-28 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 09:35	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296693	1	06/01/24 11:00	06/03/24 00:07	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:38	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	5	06/05/24 14:42	06/08/24 18:00	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 09:35	06/05/24 05:26	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2307723	1	06/19/24 07:55	06/20/24 02:07	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 03:39	ALM	Mt. Juliet, TN

G/BS-F4-1-3.0 L1741416-29 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 09:45	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:26	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:41	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 09:45	06/04/24 07:37	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 09:45	06/05/24 05:45	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 20:04	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	1	06/10/24 16:37	06/11/24 01:15	ALM	Mt. Juliet, TN

G/BS-F4-1-5.0 L1741416-31 Solid

Collected by	Collected date/time	Received date/time
J. AGUAYO/ D. BAILEY	05/29/24 10:05	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 10:05	06/04/24 07:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 10:05	06/05/24 06:04	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 19:08	JAS	Mt. Juliet, TN

G-F2-1-1.0 L1741416-32 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 08:00 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:44	JTM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298869	1	06/05/24 14:12	06/05/24 23:39	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299143	1	06/06/24 10:28	06/07/24 19:26	DSH	Mt. Juliet, TN

G-F2-1-2.0 L1741416-33 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 08:10 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:31	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:48	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 08:10	06/05/24 06:23	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	20	05/29/24 08:10	06/07/24 01:25	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298869	1	06/05/24 14:12	06/06/24 01:06	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	200	06/11/24 07:14	06/12/24 06:28	ALM	Mt. Juliet, TN

G-F2-1-3.0 L1741416-34 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 08:15 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:34	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/07/24 17:51	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299109	1	06/05/24 14:42	06/08/24 18:01	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	25	05/29/24 08:15	06/04/24 08:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 08:15	06/05/24 06:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	8	05/29/24 08:15	06/07/24 01:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	10	06/06/24 09:41	06/07/24 10:21	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 05:01	ALM	Mt. Juliet, TN

G-F2-1-4.0 L1741416-35 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 08:20 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2301199	1	06/08/24 10:58	06/08/24 11:13	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	4.12	05/29/24 08:20	06/11/24 17:12	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303704	20	06/12/24 16:06	06/13/24 03:23	ALM	Mt. Juliet, TN

G-F2-1-5.0 L1741416-36 Solid

Collected by: J. AGUAYO/ D. BAILEY | Collected date/time: 05/29/24 08:30 | Received date/time: 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296618	1	06/01/24 10:16	06/01/24 10:34	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2297583	42.8	05/29/24 08:30	06/04/24 08:35	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1	05/29/24 08:30	06/05/24 07:01	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	1	05/29/24 08:30	06/06/24 23:51	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 21:00	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303704	20	06/12/24 16:06	06/13/24 04:24	ALM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/10/24 10:48
Level II Report - Version 2: 08/16/24 10:40

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-1.0	L1741416-12	Mercury	0.0654		0.0212	0.0471	1	06/01/2024 14:55	WG2296379
G-G1-1-2.0	L1741416-13	Mercury	0.132		0.0199	0.0442	1	06/01/2024 14:57	WG2296379
G-G1-1-3.0	L1741416-14	Mercury	0.0780		0.0267	0.0594	1	06/01/2024 15:00	WG2296379
G-G2-1-1.0	L1741416-17	Mercury	0.0589		0.0225	0.0500	1	06/01/2024 15:02	WG2296379
G-G2-1-3.0	L1741416-19	Mercury	0.0255	J	0.0250	0.0556	1	06/01/2024 13:44	WG2296379
G-G2-1-4.0	L1741416-20	Mercury	0.0600		0.0238	0.0528	1	06/14/2024 09:48	WG2304258
G-G3-1-1.0	L1741416-22	Mercury	0.319		0.0191	0.0425	1	06/02/2024 23:53	WG2296693
G-G3-1-2.0	L1741416-23	Mercury	0.0632		0.0221	0.0491	1	06/03/2024 00:00	WG2296693
G-G3-1-3.0	L1741416-24	Mercury	0.0591		0.0222	0.0494	1	06/03/2024 00:02	WG2296693
G/BS-F4-1-1.0	L1741416-27	Mercury	0.105		0.0196	0.0436	1	06/03/2024 00:05	WG2296693
G/BS-F4-1-2.0	L1741416-28	Mercury	0.630		0.0213	0.0473	1	06/03/2024 00:07	WG2296693
G/BS-F4-1-3.0	L1741416-29	Mercury	0.0574		0.0223	0.0496	1	06/02/2024 21:26	WG2296691
G-F2-1-1.0	L1741416-32	Mercury	0.0318	J	0.0215	0.0478	1	06/02/2024 21:29	WG2296691
G-F2-1-2.0	L1741416-33	Mercury	0.0266	J	0.0203	0.0451	1	06/02/2024 21:31	WG2296691
G-F2-1-3.0	L1741416-34	Mercury	0.128		0.0212	0.0471	1	06/02/2024 21:34	WG2296691

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-1.0	L1741416-12	Antimony	7.56		0.640	2.35	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Arsenic	8.18		0.609	2.35	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Barium	265		0.100	0.588	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Beryllium	0.525		0.0371	0.235	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Cadmium	0.332	J	0.0554	0.588	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Chromium	66.4		0.156	1.18	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Cobalt	10.0		0.0954	1.18	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Copper	28.0		0.471	2.35	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Lead	12.2		0.245	0.588	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Molybdenum	0.441	J	0.128	0.588	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Nickel	43.9		0.155	2.35	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Silver	0.513	J	0.149	1.18	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Vanadium	64.4		0.595	2.35	1	06/08/2024 10:14	WG2297323
G-G1-1-1.0	L1741416-12	Zinc	64.6		0.979	5.88	1	06/08/2024 10:14	WG2297323
G-G1-2.0	L1741416-13	Antimony	7.34		0.601	2.21	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Arsenic	2.31		0.573	2.21	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Barium	260		0.0942	0.553	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Beryllium	0.672		0.0348	0.221	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Cadmium	0.180	J	0.0521	0.553	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Chromium	192		0.147	1.11	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Cobalt	12.0		0.0897	1.11	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Copper	46.7		0.442	2.21	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Lead	30.8		0.230	0.553	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Molybdenum	2.18		0.120	0.553	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Nickel	64.1		0.146	2.21	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Vanadium	126		0.559	2.21	1	06/06/2024 00:23	WG2297407
G-G1-2.0	L1741416-13	Zinc	60.8		0.920	5.53	1	06/06/2024 00:23	WG2297407

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-3.0	L1741416-14	Antimony	5.12		0.807	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Arsenic	7.07		0.769	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Barium	258		0.126	0.742	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Beryllium	0.825		0.0468	0.297	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Cadmium	26.4		0.0699	0.742	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Chromium	82.0		0.197	1.48	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Cobalt	16.0		0.120	1.48	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Copper	60.2		0.594	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Lead	407		0.309	0.742	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Molybdenum	1.01		0.162	0.742	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Nickel	85.4		0.196	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Thallium	1.38	J	0.585	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Vanadium	73.8		0.751	2.97	1	06/06/2024 00:25	WG2297407
G-G1-1-3.0	L1741416-14	Zinc	178		1.23	7.42	1	06/06/2024 00:25	WG2297407
G-G1-1-4.0	L1741416-15	Lead	114		0.287	0.691	1	07/01/2024 20:13	WG2315127
G-G2-1-1.0	L1741416-17	Antimony	1.02	J	0.680	2.50	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Barium	179		0.107	0.625	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Beryllium	0.337	B	0.0394	0.250	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Cadmium	0.0695	J	0.0589	0.625	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Chromium	40.9		0.166	1.25	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Cobalt	13.2		0.101	1.25	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Copper	29.7		0.500	2.50	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Lead	46.5		0.260	0.625	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Molybdenum	0.687		0.136	0.625	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Nickel	56.3		0.165	2.50	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Selenium	2.35	J	0.955	2.50	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Silver	0.416	J	0.159	1.25	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Vanadium	45.8		0.633	2.50	1	06/05/2024 00:06	WG2297097
G-G2-1-1.0	L1741416-17	Zinc	82.3		1.04	6.25	1	06/05/2024 00:06	WG2297097
G-G2-1-2.0	L1741416-18	Antimony	4.49		0.721	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Arsenic	4.57		0.686	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Barium	291		0.113	0.662	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Beryllium	0.794		0.0417	0.265	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Cadmium	0.851		0.0624	0.662	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Chromium	83.8		0.176	1.32	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Cobalt	25.3		0.107	1.32	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Copper	40.3		0.530	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Lead	30.7		0.276	0.662	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Molybdenum	0.524	J	0.144	0.662	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Nickel	71.8		0.175	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Thallium	2.01	J	0.522	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Vanadium	87.3		0.670	2.65	1	06/06/2024 00:27	WG2297407
G-G2-1-2.0	L1741416-18	Zinc	89.0		1.10	6.62	1	06/06/2024 00:27	WG2297407
G-G2-1-3.0	L1741416-19	Antimony	4.33		0.756	2.78	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Arsenic	4.07		0.720	2.78	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Barium	306		0.118	0.695	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Beryllium	0.411		0.0438	0.278	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Cadmium	3.24		0.0654	0.695	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Chromium	100		0.185	1.39	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Cobalt	2.79		0.113	1.39	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Copper	28.0		0.556	2.78	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Lead	233		0.289	0.695	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Molybdenum	3.29		0.151	0.695	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Nickel	27.4		0.183	2.78	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Thallium	1.67	J	0.547	2.78	1	06/06/2024 00:28	WG2297407
G-G2-1-3.0	L1741416-19	Vanadium	83.8		0.703	2.78	1	06/06/2024 00:28	WG2297407

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G2-1-3.0	L1741416-19	Zinc	55.2		1.16	6.95	1	06/06/2024 00:28	WG2297407
G-G2-1-4.0	L1741416-20	Antimony	7.07	J6	0.718	2.64	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Arsenic	4.22		0.684	2.64	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Barium	339		0.113	0.660	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Beryllium	1.08		0.0416	0.264	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Cadmium	0.378	B J	0.0622	0.660	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Chromium	87.5		0.176	1.32	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Cobalt	9.85	O1	0.107	1.32	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Copper	41.4		0.528	2.64	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Lead	63.9	J3 J5	0.275	0.660	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Nickel	57.2		0.174	2.64	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Vanadium	87.5		0.668	2.64	1	06/19/2024 09:46	WG2305335
G-G2-1-4.0	L1741416-20	Zinc	75.9		1.10	6.60	1	06/19/2024 09:46	WG2305335
G-G3-1-1.0	L1741416-22	Antimony	3.85		0.579	2.13	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Arsenic	23.2		0.551	2.13	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Barium	176		0.0906	0.532	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Beryllium	0.0723	J	0.0335	0.213	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Cadmium	0.773		0.0501	0.532	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Chromium	26.7		0.141	1.06	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Cobalt	8.67		0.0862	1.06	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Copper	43.2		0.425	2.13	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Lead	140		0.221	0.532	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Molybdenum	2.92		0.116	0.532	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Nickel	20.0		0.140	2.13	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Silver	0.255	B J	0.135	1.06	1	06/07/2024 19:23	WG2299109
G-G3-1-1.0	L1741416-22	Vanadium	36.8		0.538	2.13	1	06/08/2024 18:03	WG2299109
G-G3-1-1.0	L1741416-22	Zinc	203		0.885	5.32	1	06/07/2024 19:23	WG2299109
G-G3-1-2.0	L1741416-23	Antimony	1.41	J	0.668	2.45	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Arsenic	5.49		0.636	2.45	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Barium	210		0.105	0.614	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Beryllium	0.283		0.0387	0.245	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Cadmium	0.510	J	0.0578	0.614	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Chromium	66.9		0.163	1.23	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Cobalt	13.1		0.0995	1.23	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Copper	30.8		0.491	2.45	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Lead	32.6		0.255	0.614	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Molybdenum	1.20		0.134	0.614	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Nickel	67.1		0.162	2.45	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Vanadium	57.6		0.621	2.45	1	06/07/2024 19:26	WG2299109
G-G3-1-2.0	L1741416-23	Zinc	70.5		1.02	6.14	1	06/07/2024 19:26	WG2299109
G-G3-1-3.0	L1741416-24	Antimony	1.61	J	0.672	2.47	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Arsenic	4.53		0.640	2.47	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Barium	189		0.105	0.618	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Beryllium	0.258		0.0389	0.247	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Cadmium	0.344	J	0.0582	0.618	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Chromium	66.9		0.164	1.24	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Cobalt	13.1		0.100	1.24	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Copper	26.1		0.494	2.47	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Lead	21.3		0.257	0.618	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Molybdenum	0.254	J	0.135	0.618	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Nickel	66.8		0.163	2.47	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Vanadium	56.4		0.625	2.47	1	06/07/2024 19:30	WG2299109
G-G3-1-3.0	L1741416-24	Zinc	57.3		1.03	6.18	1	06/07/2024 19:30	WG2299109

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-F4-1-1.0	L1741416-27	Antimony	26.6		0.593	2.18	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Arsenic	5.43		0.565	2.18	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Barium	492		0.0930	0.545	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Beryllium	0.645		0.0344	0.218	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Cadmium	25.7		0.0514	0.545	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Chromium	50.4		0.145	1.09	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Cobalt	7.12		0.0885	1.09	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Copper	202		0.436	2.18	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Lead	6190		0.227	0.545	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Molybdenum	5.64		0.119	0.545	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Nickel	40.8		0.144	2.18	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Silver	1.99	B	0.139	1.09	1	06/07/2024 17:35	WG2299109
G/BS-F4-1-1.0	L1741416-27	Vanadium	14.6		0.552	2.18	1	06/08/2024 18:05	WG2299109
G/BS-F4-1-1.0	L1741416-27	Zinc	5690		4.54	27.3	5	06/08/2024 17:58	WG2299109
G/BS-F4-1-2.0	L1741416-28	Antimony	11.5		0.644	2.37	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Arsenic	5.76		0.613	2.37	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Barium	170		0.101	0.591	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Beryllium	0.343		0.0373	0.237	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Cadmium	9.05		0.0557	0.591	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Chromium	39.1		0.157	1.18	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Cobalt	7.71		0.0959	1.18	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Copper	165		0.473	2.37	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Lead	2500		0.246	0.591	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Molybdenum	1.49		0.129	0.591	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Nickel	29.9		0.156	2.37	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Silver	1.61	B	0.150	1.18	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Vanadium	45.4		0.599	2.37	1	06/07/2024 17:38	WG2299109
G/BS-F4-1-2.0	L1741416-28	Zinc	2720		4.92	29.6	5	06/08/2024 18:00	WG2299109
G/BS-F4-1-3.0	L1741416-29	Antimony	1.90	J	0.675	2.48	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Arsenic	3.66		0.643	2.48	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Barium	157		0.106	0.620	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Beryllium	0.216	J	0.0391	0.248	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Cadmium	0.439	J	0.0584	0.620	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Chromium	52.6		0.165	1.24	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Cobalt	10.9		0.101	1.24	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Copper	20.3		0.496	2.48	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Lead	24.3		0.258	0.620	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Molybdenum	0.269	J	0.135	0.620	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Nickel	53.9		0.164	2.48	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Vanadium	44.8		0.628	2.48	1	06/07/2024 17:41	WG2299109
G/BS-F4-1-3.0	L1741416-29	Zinc	75.5		1.03	6.20	1	06/07/2024 17:41	WG2299109
G-F2-1-1.0	L1741416-32	Antimony	2.51		0.650	2.39	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Arsenic	2.12	J	0.619	2.39	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Barium	64.2		0.102	0.597	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Beryllium	0.185	J	0.0376	0.239	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Cadmium	0.192	J	0.0562	0.597	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Chromium	20.9		0.159	1.19	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Cobalt	4.12		0.0968	1.19	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Copper	33.4		0.478	2.39	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Lead	43.3		0.248	0.597	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Molybdenum	0.452	J	0.130	0.597	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Nickel	20.3		0.158	2.39	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Vanadium	25.4		0.604	2.39	1	06/07/2024 17:44	WG2299109
G-F2-1-1.0	L1741416-32	Zinc	96.3		0.993	5.97	1	06/07/2024 17:44	WG2299109

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F2-1-2.0	L1741416-33	Antimony	1.34	J	0.613	2.25	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Arsenic	1.81	J	0.583	2.25	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Barium	56.4		0.0960	0.563	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Beryllium	0.131	J	0.0355	0.225	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Cadmium	0.257	J	0.0531	0.563	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Chromium	14.9		0.150	1.13	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Cobalt	3.40		0.0913	1.13	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Copper	12.1		0.451	2.25	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Lead	23.5		0.234	0.563	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Molybdenum	0.921		0.123	0.563	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Nickel	17.9		0.149	2.25	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Vanadium	13.3		0.570	2.25	1	06/07/2024 17:48	WG2299109
G-F2-1-2.0	L1741416-33	Zinc	46.9		0.937	5.63	1	06/07/2024 17:48	WG2299109
G-F2-1-3.0	L1741416-34	Antimony	4.90		0.641	2.36	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Arsenic	4.71		0.610	2.36	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Barium	23.1		0.100	0.589	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Beryllium	0.0555	J	0.0371	0.236	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Cadmium	0.0697	J	0.0555	0.589	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Chromium	53.7		0.157	1.18	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Cobalt	4.36		0.0955	1.18	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Copper	136		0.471	2.36	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Lead	29.6		0.245	0.589	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Molybdenum	5.59		0.128	0.589	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Nickel	31.9		0.155	2.36	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Vanadium	10.7		0.596	2.36	1	06/07/2024 17:51	WG2299109
G-F2-1-3.0	L1741416-34	Zinc	26.1		0.980	5.89	1	06/07/2024 17:51	WG2299109

Metals (ICPMS) by Method 6020

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052924	L1741416-07	Barium	2.95		0.381	2.00	1	07/02/2024 14:41	WG2308134
EB-052924	L1741416-07	Chromium	1.31	J	1.24	2.00	1	07/02/2024 14:41	WG2308134
EB-052924	L1741416-07	Cobalt	0.165	J	0.0596	2.00	1	07/02/2024 14:41	WG2308134
EB-052924	L1741416-07	Zinc	3.44	J	3.02	25.0	1	07/02/2024 14:41	WG2308134

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-10-8-5.0	L1741416-01	TPHG C5 - C12	152		1.36	4.09	25	06/03/2024 17:54	WG2297459
SVP-25-8-8.0	L1741416-02	TPHG C5 - C12	3.07	B J	1.35	4.06	25	06/03/2024 18:14	WG2297459
SVP-36-5-5.0	L1741416-03	TPHG C5 - C12	303		1.42	4.28	25	06/03/2024 18:33	WG2297459
SVP-36-8-8.0	L1741416-04	TPHG C5 - C12	486		14.3	42.9	250	06/07/2024 01:26	WG2300304
SVP-61-4-4.0	L1741416-05	TPHG C5 - C12	2.40	J	1.19	3.57	25	06/07/2024 19:44	WG2300918
SVP-62-4-4.0	L1741416-06	TPHG C5 - C12	30.6		1.58	4.76	41.5	06/04/2024 01:41	WG2297583
G-G1-1-1.0	L1741416-12	TPHG C5 - C12	2.43	B J T8	1.17	3.53	25	06/16/2024 13:58	WG2306105
G-G1-1-2.0	L1741416-13	TPHG C5 - C12	1.59	B J T8	1.01	3.04	25	06/16/2024 14:20	WG2306105
G-G1-1-3.0	L1741416-14	TPHG C5 - C12	80.1		1.83	5.52	29	06/04/2024 02:00	WG2297583
G-G1-1-4.0	L1741416-15	TPHG C5 - C12	45.6	T8	1.48	4.45	25	06/16/2024 14:41	WG2306105
G-G1-1-5.0	L1741416-16	TPHG C5 - C12	62.2		1.37	4.14	25	06/04/2024 02:20	WG2297583
G-G2-1-1.0	L1741416-17	TPHG C5 - C12	3.30	B J T8	1.40	4.22	28.7	06/18/2024 18:51	WG2307455
G-G2-1-2.0	L1741416-18	TPHG C5 - C12	4.58	B T8	1.41	4.26	25	06/16/2024 15:02	WG2306105
G-G2-1-3.0	L1741416-19	TPHG C5 - C12	117		6.42	19.3	111	06/05/2024 07:24	WG2298546
G-G2-1-4.0	L1741416-20	TPHG C5 - C12	17.0	B T8	1.40	4.22	25	06/17/2024 11:02	WG2306312

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G2-1-5.0	L1741416-21	TPHG C5 - C12	12.7	B	1.36	4.09	25	06/04/2024 02:39	WG2297583
G-G3-1-3.0	L1741416-24	TPHG C5 - C12	4.30	B	1.27	3.83	25	06/04/2024 06:58	WG2297583
G-G3-1-5.0	L1741416-26	TPHG C5 - C12	1.86	B J	1.36	4.09	25	06/04/2024 07:18	WG2297583
G/BS-F4-1-3.0	L1741416-29	TPHG C5 - C12	1.48	B J	1.28	3.86	25	06/04/2024 07:37	WG2297583
G/BS-F4-1-5.0	L1741416-31	TPHG C5 - C12	1.74	B J	1.41	4.23	25	06/04/2024 07:56	WG2297583
G-F2-1-3.0	L1741416-34	TPHG C5 - C12	243		1.13	3.42	25	06/04/2024 08:16	WG2297583
G-F2-1-5.0	L1741416-36	TPHG C5 - C12	275		2.14	6.44	42.8	06/04/2024 08:35	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-052924	L1741416-07	Chloroform	0.912	J	0.111	5.00	1	06/05/2024 22:54	WG2299010

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-10-8-5.0	L1741416-01	Benzene	0.000909	J	0.000764	0.00164	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	n-Butylbenzene	0.0497		0.00859	0.0204	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	sec-Butylbenzene	0.0615		0.00471	0.0204	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	Ethylbenzene	0.00208	J	0.00121	0.00409	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	Isopropylbenzene	0.0144		0.000695	0.00409	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	n-Propylbenzene	0.0329		0.00155	0.00818	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	Toluene	0.00312	J	0.00213	0.00818	1	06/04/2024 20:03	WG2298438
SVP-10-8-5.0	L1741416-01	Xylenes, Total	0.00662	J	0.00144	0.0106	1	06/04/2024 20:03	WG2298438
SVP-36-5-5.0	L1741416-03	Benzene	0.00226		0.000800	0.00171	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	n-Butylbenzene	2.62		0.00899	0.0214	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	sec-Butylbenzene	1.92		0.00493	0.0214	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	tert-Butylbenzene	0.164		0.00334	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,2-Dichlorobenzene	0.390		0.000728	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,3-Dichlorobenzene	0.298		0.00103	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,4-Dichlorobenzene	1.42		0.00120	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	Ethylbenzene	0.00140	J	0.00126	0.00428	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	Isopropylbenzene	0.834		0.000728	0.00428	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	p-Isopropyltoluene	0.00669	J	0.00437	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	n-Propylbenzene	0.0702		0.00163	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	Toluene	0.00353	J	0.00223	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,2,4-Trichlorobenzene	0.120		0.00753	0.0214	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,2,4-Trimethylbenzene	0.00794	J	0.00271	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	1,2,3-Trimethylbenzene	0.0288		0.00271	0.00856	1	06/04/2024 20:54	WG2298438
SVP-36-5-5.0	L1741416-03	Xylenes, Total	0.139		0.00151	0.0111	1	06/04/2024 20:54	WG2298438
SVP-36-8-8.0	L1741416-04	Benzene	0.00204		0.000802	0.00172	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	n-Butylbenzene	2.30		0.00901	0.0215	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	sec-Butylbenzene	1.70		0.00494	0.0215	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	tert-Butylbenzene	0.130		0.00335	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	1,2-Dichlorobenzene	0.275		0.000730	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	1,3-Dichlorobenzene	0.223		0.00103	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	1,4-Dichlorobenzene	0.956		0.00120	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	Ethylbenzene	0.00362	J	0.00127	0.00429	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	Isopropylbenzene	1.10		0.000730	0.00429	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	n-Propylbenzene	0.323		0.00163	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	Toluene	0.00342	J	0.00223	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	1,2,4-Trichlorobenzene	0.0697		0.00755	0.0215	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	1,2,4-Trimethylbenzene	0.00458	J	0.00271	0.00858	1	06/04/2024 21:14	WG2298438

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-36-8-8.0	L1741416-04	1,2,3-Trimethylbenzene	0.0809		0.00271	0.00858	1	06/04/2024 21:14	WG2298438
SVP-36-8-8.0	L1741416-04	Xylenes, Total	0.123		0.00151	0.0112	1	06/04/2024 21:14	WG2298438
SVP-61-4-4.0	L1741416-05	Benzene	0.00518		0.000678	0.00145	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	n-Butylbenzene	0.0338		0.00762	0.0181	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	sec-Butylbenzene	0.0193		0.00418	0.0181	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	1,2-Dichlorobenzene	0.00303	J	0.000617	0.00726	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	1,3-Dichlorobenzene	0.00203	J	0.000871	0.00726	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	1,4-Dichlorobenzene	0.00952		0.00102	0.00726	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	Isopropylbenzene	0.0105		0.000617	0.00363	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	Naphthalene	0.00827	J	0.00708	0.0181	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	n-Propylbenzene	0.00282	J	0.00138	0.00726	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	Toluene	0.00491	J	0.00189	0.00726	1	06/04/2024 21:42	WG2298438
SVP-61-4-4.0	L1741416-05	Xylenes, Total	0.00467	J	0.00128	0.00944	1	06/04/2024 21:42	WG2298438
SVP-62-4-4.0	L1741416-06	Benzene	0.00576		0.000889	0.00190	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	n-Butylbenzene	0.0263		0.0100	0.0239	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	sec-Butylbenzene	0.00691	J	0.00548	0.0239	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	Ethylbenzene	0.0168		0.00140	0.00476	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	Isopropylbenzene	0.00405	J	0.000810	0.00476	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	p-Isopropyltoluene	0.0369		0.00485	0.00952	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	Naphthalene	0.211		0.00929	0.0239	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	n-Propylbenzene	0.0119		0.00181	0.00952	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	Toluene	0.0177		0.00248	0.00952	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	1,2,4-Trimethylbenzene	0.0176		0.00301	0.00952	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	1,2,3-Trimethylbenzene	0.0107		0.00301	0.00952	1.66	06/04/2024 22:11	WG2298438
SVP-62-4-4.0	L1741416-06	Xylenes, Total	0.0249		0.00168	0.0124	1.66	06/04/2024 22:11	WG2298438
G-G1-1-2.0	L1741416-13	Benzene	0.000809	J	0.000568	0.00122	1	06/04/2024 22:30	WG2298438
G-G1-1-2.0	L1741416-13	Ethylbenzene	0.00119	J	0.000897	0.00304	1	06/04/2024 22:30	WG2298438
G-G1-1-2.0	L1741416-13	Naphthalene	0.0173		0.00594	0.0152	1	06/04/2024 22:30	WG2298438
G-G1-1-2.0	L1741416-13	Tetrachloroethene	0.00937		0.00109	0.00304	1	06/04/2024 22:30	WG2298438
G-G1-1-2.0	L1741416-13	Toluene	0.00242	J	0.00158	0.00608	1	06/04/2024 22:30	WG2298438
G-G1-1-2.0	L1741416-13	Xylenes, Total	0.00462	J	0.00107	0.00791	1	06/04/2024 22:30	WG2298438
G-G1-1-3.0	L1741416-14	Benzene	0.00232		0.00103	0.00221	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	n-Butylbenzene	0.0755		0.0116	0.0276	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	sec-Butylbenzene	0.0204	J	0.00635	0.0276	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	1,2-Dichlorobenzene	0.00575	J	0.000938	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Ethylbenzene	0.00459	J	0.00163	0.00552	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Isopropylbenzene	0.0128		0.000938	0.00552	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	p-Isopropyltoluene	0.0182		0.00563	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Methyl tert-butyl ether	0.00441		0.000772	0.00221	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Naphthalene	0.0293		0.0108	0.0276	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	n-Propylbenzene	0.0109	J	0.00209	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Tetrachloroethene	0.0628		0.00198	0.00552	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Toluene	0.00491	J	0.00287	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Trichloroethene	0.00656		0.00129	0.00221	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	1,2,4-Trimethylbenzene	0.0272		0.00348	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	1,2,3-Trimethylbenzene	0.0445		0.00348	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	1,3,5-Trimethylbenzene	0.0142		0.00441	0.0110	1.16	06/04/2024 22:49	WG2298438
G-G1-1-3.0	L1741416-14	Xylenes, Total	0.0194		0.00194	0.0143	1.16	06/04/2024 22:49	WG2298438

DETECTION SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-5.0	L1741416-16	n-Butylbenzene	0.230		0.00869	0.0207	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	sec-Butylbenzene	0.127		0.00477	0.0207	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	tert-Butylbenzene	0.00732	J	0.00323	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	2-Chlorotoluene	0.0416		0.00143	0.00414	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	1,2-Dichlorobenzene	0.0771		0.000704	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	1,3-Dichlorobenzene	0.00702	J	0.000993	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	1,4-Dichlorobenzene	0.0202		0.00116	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	Ethylbenzene	0.00220	J	0.00122	0.00414	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	Isopropylbenzene	0.0566		0.000704	0.00414	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	p-Isopropyltoluene	0.00609	J	0.00422	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	n-Propylbenzene	0.0444		0.00157	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	1,2,4-Trimethylbenzene	0.00533	J	0.00262	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	1,2,3-Trimethylbenzene	0.00328	J	0.00262	0.00828	1	06/04/2024 23:12	WG2298438
G-G1-1-5.0	L1741416-16	Xylenes, Total	0.0245		0.00146	0.0108	1	06/04/2024 23:12	WG2298438
G-G2-1-2.0	L1741416-18	Benzene	0.0100		0.000796	0.00170	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	n-Butylbenzene	0.0141	J	0.00895	0.0213	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	cis-1,2-Dichloroethene	0.00337	J	0.00125	0.00426	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	Ethylbenzene	0.00201	J	0.00126	0.00426	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	Naphthalene	0.0139	J	0.00832	0.0213	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	Toluene	0.00535	J	0.00222	0.00852	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	Trichloroethene	0.0182		0.000995	0.00170	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	1,2,4-Trimethylbenzene	0.00341	J	0.00269	0.00852	1	06/04/2024 23:32	WG2298438
G-G2-1-2.0	L1741416-18	Xylenes, Total	0.00593	J	0.00150	0.0111	1	06/04/2024 23:32	WG2298438
G-G2-1-3.0	L1741416-19	Benzene	0.0699		0.00684	0.0146	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	n-Butylbenzene	2.38		0.0768	0.183	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	sec-Butylbenzene	0.236		0.0421	0.183	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	2-Chlorotoluene	0.514		0.0127	0.0366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	4-Chlorotoluene	0.503		0.00658	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	1,2-Dichlorobenzene	0.0461	J	0.00622	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	cis-1,2-Dichloroethene	0.0704		0.0107	0.0366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Ethylbenzene	0.346		0.0108	0.0366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Isopropylbenzene	0.305		0.00622	0.0366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	p-Isopropyltoluene	0.633		0.0373	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	4-Methyl-2-pentanone (MIBK)	0.578		0.0333	0.366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Naphthalene	7.02		0.0713	0.183	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	n-Propylbenzene	0.307		0.0139	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Tetrachloroethene	0.115		0.0131	0.0366	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Toluene	0.534		0.0190	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	1,2,4-Trichlorobenzene	0.102	J	0.0644	0.183	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Trichloroethene	1.75		0.00854	0.0146	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	1,2,4-Trimethylbenzene	3.16		0.0230	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	1,2,3-Trimethylbenzene	2.05		0.0230	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	1,3,5-Trimethylbenzene	1.39		0.0293	0.0732	8	06/05/2024 01:25	WG2298438
G-G2-1-3.0	L1741416-19	Xylenes, Total	2.12		0.0129	0.0951	8	06/05/2024 01:25	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G2-1-4.0	L1741416-20	Benzene	0.00560		0.00158	0.00338	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	n-Butylbenzene	0.0380	J	0.0178	0.0423	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	sec-Butylbenzene	0.0289	J	0.00974	0.0423	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	2-Chlorotoluene	0.0555		0.00293	0.00846	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	1,2-Dichlorobenzene	0.00419	J	0.00144	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	cis-1,2-Dichloroethene	0.0164		0.00249	0.00846	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Ethylbenzene	0.0218		0.00249	0.00846	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Isopropylbenzene	0.0238		0.00144	0.00846	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	p-Isopropyltoluene	0.0802		0.00862	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Naphthalene	0.775		0.0165	0.0423	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	n-Propylbenzene	0.0303		0.00321	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Tetrachloroethene	0.00911		0.00303	0.00846	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Toluene	0.0352		0.00440	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Trichloroethene	0.112		0.00198	0.00338	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	1,2,4-Trimethylbenzene	0.333		0.00534	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	1,2,3-Trimethylbenzene	0.235		0.00534	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	1,3,5-Trimethylbenzene	0.176		0.00676	0.0169	2	06/12/2024 23:48	WG2303955
G-G2-1-4.0	L1741416-20	Xylenes, Total	0.163		0.00298	0.0220	2	06/12/2024 23:48	WG2303955
G-G2-1-5.0	L1741416-21	Benzene	0.00454		0.000763	0.00163	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	n-Butylbenzene	0.275		0.00858	0.0204	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	sec-Butylbenzene	0.0235		0.00471	0.0204	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	cis-1,2-Dichloroethene	0.0204		0.00120	0.00409	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Ethylbenzene	0.0199		0.00120	0.00409	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Isopropylbenzene	0.0227		0.000695	0.00409	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	p-Isopropyltoluene	0.0646		0.00417	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Naphthalene	0.422		0.00798	0.0204	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	n-Propylbenzene	0.0242		0.00155	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Tetrachloroethene	0.00994		0.00146	0.00409	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Toluene	0.0240		0.00212	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Trichloroethene	0.0866		0.000954	0.00163	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	1,2,4-Trimethylbenzene	0.265		0.00258	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	1,2,3-Trimethylbenzene	0.185		0.00258	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	1,3,5-Trimethylbenzene	0.126		0.00327	0.00817	1	06/04/2024 23:54	WG2298438
G-G2-1-5.0	L1741416-21	Xylenes, Total	0.137		0.00144	0.0106	1	06/04/2024 23:54	WG2298438
G-G3-1-2.0	L1741416-23	Benzene	0.00716		0.000695	0.00149	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	sec-Butylbenzene	0.00936	J	0.00429	0.0186	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	Ethylbenzene	0.0147		0.00110	0.00372	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	Isopropylbenzene	0.0118		0.000633	0.00372	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	p-Isopropyltoluene	0.00738	J	0.00380	0.00744	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	Naphthalene	0.0118	J	0.00726	0.0186	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	n-Propylbenzene	0.0134		0.00141	0.00744	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	Toluene	0.00493	J	0.00194	0.00744	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	1,2,4-Trimethylbenzene	0.0341		0.00235	0.00744	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	1,2,3-Trimethylbenzene	0.0213		0.00235	0.00744	1	06/05/2024 04:29	WG2298650
G-G3-1-2.0	L1741416-23	Xylenes, Total	0.0469		0.00131	0.00968	1	06/05/2024 04:29	WG2298650
G-G3-1-3.0	L1741416-24	Benzene	0.00245		0.000698	0.00150	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	sec-Butylbenzene	0.00434	J	0.00431	0.0187	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	Ethylbenzene	0.00156	J	0.00110	0.00374	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	Isopropylbenzene	0.00612		0.000636	0.00374	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	n-Propylbenzene	0.00775		0.00142	0.00748	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	Toluene	0.00232	J	0.00194	0.00748	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	1,2,4-Trimethylbenzene	0.00972		0.00236	0.00748	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	1,3,5-Trimethylbenzene	0.00316	J	0.00299	0.00748	1	06/05/2024 04:48	WG2298650
G-G3-1-3.0	L1741416-24	Xylenes, Total	0.00990		0.00132	0.00972	1	06/05/2024 04:48	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-F4-1-2.0	L1741416-28	Benzene	0.000865	J	0.000657	0.00141	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	1,1-Dichloroethene	0.000865	J	0.000852	0.00352	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Ethylbenzene	0.00127	J	0.00104	0.00352	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Isopropylbenzene	0.00121	J	0.000598	0.00352	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Naphthalene	0.0117	J	0.00687	0.0176	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Tetrachloroethene	0.00779		0.00126	0.00352	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Toluene	0.00582	J	0.00183	0.00703	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	1,1,1-Trichloroethane	0.0734		0.00130	0.00352	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	1,2,4-Trimethylbenzene	0.00758		0.00222	0.00703	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	1,2,3-Trimethylbenzene	0.00626	J	0.00222	0.00703	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-2.0	L1741416-28	Xylenes, Total	0.0160		0.00124	0.00914	1	06/05/2024 05:26	WG2298650
G/BS-F4-1-3.0	L1741416-29	1,1,1-Trichloroethane	0.00239	J	0.00140	0.00381	1	06/05/2024 05:45	WG2298650
G-F2-1-2.0	L1741416-33	Benzene	0.966		0.000591	0.00127	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	n-Butylbenzene	0.0843		0.00665	0.0158	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	sec-Butylbenzene	0.130		0.00365	0.0158	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	tert-Butylbenzene	0.0115		0.00247	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Chloroethane	18.5		0.0430	0.127	20	06/07/2024 01:25	WG2300243
G-F2-1-2.0	L1741416-33	1,4-Dichlorobenzene	0.00146	J	0.000886	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,1-Dichloroethane	1.70		0.000622	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,1-Dichloroethene	0.161		0.000767	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	cis-1,2-Dichloroethene	0.00841		0.000929	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Ethylbenzene	2.25		0.000933	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Isopropylbenzene	0.567		0.000538	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	p-Isopropyltoluene	0.107		0.00323	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Naphthalene	0.967		0.00618	0.0158	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	n-Propylbenzene	0.928		0.00120	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Toluene	0.429		0.00165	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,1,1-Trichloroethane	2.60		0.00117	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Trichloroethene	0.000912	J	0.000739	0.00127	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,2,4-Trimethylbenzene	2.46		0.00200	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,2,3-Trimethylbenzene	0.901		0.00200	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	1,3,5-Trimethylbenzene	1.13		0.00253	0.00633	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Vinyl chloride	0.101		0.00147	0.00317	1	06/05/2024 06:23	WG2298650
G-F2-1-2.0	L1741416-33	Xylenes, Total	6.80		0.00111	0.00823	1	06/05/2024 06:23	WG2298650
G-F2-1-3.0	L1741416-34	Benzene	0.490		0.000637	0.00136	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	n-Butylbenzene	0.184		0.00716	0.0171	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	sec-Butylbenzene	0.206		0.00393	0.0171	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Chloroethane	12.6		0.0186	0.0546	8	06/07/2024 01:06	WG2300243
G-F2-1-3.0	L1741416-34	1,1-Dichloroethane	0.351		0.000670	0.00341	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	1,1-Dichloroethene	0.0654		0.000827	0.00341	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Ethylbenzene	5.03		0.00805	0.0273	8	06/07/2024 01:06	WG2300243
G-F2-1-3.0	L1741416-34	Isopropylbenzene	0.632		0.000580	0.00341	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	p-Isopropyltoluene	0.0929		0.00348	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Naphthalene	0.0823		0.00666	0.0171	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	n-Propylbenzene	2.09		0.00130	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Toluene	0.0937		0.00177	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	1,1,1-Trichloroethane	0.422		0.00126	0.00341	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	1,2,4-Trimethylbenzene	2.70		0.00216	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	1,2,3-Trimethylbenzene	0.621		0.00216	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	1,3,5-Trimethylbenzene	1.34		0.00273	0.00682	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Vinyl chloride	0.00884		0.00158	0.00341	1	06/05/2024 06:42	WG2298650
G-F2-1-3.0	L1741416-34	Xylenes, Total	3.36		0.00120	0.00887	1	06/05/2024 06:42	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F2-1-4.0	L1741416-35	Benzene	0.152		0.00281	0.00602	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	n-Butylbenzene	0.338		0.0316	0.0753	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	sec-Butylbenzene	0.442		0.0174	0.0753	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	tert-Butylbenzene	0.243		0.0117	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Chloroethane	1.92		0.0102	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,1-Dichloroethane	0.124		0.00295	0.0151	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,1-Dichloroethene	0.0171		0.00365	0.0151	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Ethylbenzene	0.503		0.00444	0.0151	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Isopropylbenzene	0.775		0.00256	0.0151	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	p-Isopropyltoluene	0.118		0.0154	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Naphthalene	0.294		0.0294	0.0753	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	n-Propylbenzene	2.12		0.00572	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Toluene	0.148		0.00784	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,1,1-Trichloroethane	0.190		0.00556	0.0151	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,2,4-Trimethylbenzene	1.28		0.00952	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,2,3-Trimethylbenzene	0.617		0.00952	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	1,3,5-Trimethylbenzene	0.384		0.0120	0.0301	4.12	06/11/2024 17:12	WG2302420
G-F2-1-4.0	L1741416-35	Xylenes, Total	1.74		0.00531	0.0392	4.12	06/11/2024 17:12	WG2302420
G-F2-1-5.0	L1741416-36	Benzene	0.0147		0.000789	0.00169	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	n-Butylbenzene	0.179		0.00887	0.0211	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	sec-Butylbenzene	0.163		0.00487	0.0211	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	tert-Butylbenzene	0.0204		0.00330	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	Chloroethane	0.260		0.00287	0.00845	1	06/06/2024 23:51	WG2300243
G-F2-1-5.0	L1741416-36	1,1-Dichloroethane	0.00208	J	0.000830	0.00422	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	Ethylbenzene	0.248		0.00125	0.00422	1	06/06/2024 23:51	WG2300243
G-F2-1-5.0	L1741416-36	Isopropylbenzene	0.330		0.000718	0.00422	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	p-Isopropyltoluene	0.0542		0.00431	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	Naphthalene	0.357		0.00825	0.0211	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	n-Propylbenzene	1.12		0.00161	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	Toluene	0.00825	J	0.00220	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	1,2,4-Trimethylbenzene	0.387		0.00267	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	1,2,3-Trimethylbenzene	0.766		0.00267	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	1,3,5-Trimethylbenzene	0.102		0.00338	0.00845	1	06/05/2024 07:01	WG2298650
G-F2-1-5.0	L1741416-36	Xylenes, Total	0.0668		0.00149	0.0110	1	06/05/2024 07:01	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SVP-10-8-5.0	L1741416-01	C12-C22 Hydrocarbons	2.12	J	0.953	5.20	1	06/06/2024 02:04	WG2299427
SVP-36-5-5.0	L1741416-03	C12-C22 Hydrocarbons	3510		48.6	265	50	06/06/2024 11:11	WG2299427
SVP-36-5-5.0	L1741416-03	C22-C32 Hydrocarbons	7590		88.1	265	50	06/06/2024 11:11	WG2299427
SVP-36-5-5.0	L1741416-03	C32-C40 Hydrocarbons	2110		88.1	265	50	06/06/2024 11:11	WG2299427
SVP-36-8-8.0	L1741416-04	C12-C22 Hydrocarbons	681		4.83	26.3	5	06/06/2024 03:45	WG2299427
SVP-36-8-8.0	L1741416-04	C22-C32 Hydrocarbons	1410		35.0	105	20	06/06/2024 11:25	WG2299427
SVP-36-8-8.0	L1741416-04	C32-C40 Hydrocarbons	349		8.75	26.3	5	06/06/2024 03:45	WG2299427
SVP-61-4-4.0	L1741416-05	C12-C22 Hydrocarbons	3.47	J	0.886	4.83	1	06/06/2024 02:33	WG2299427
SVP-61-4-4.0	L1741416-05	C22-C32 Hydrocarbons	8.94		1.61	4.83	1	06/06/2024 02:33	WG2299427
SVP-61-4-4.0	L1741416-05	C32-C40 Hydrocarbons	3.72	J	1.61	4.83	1	06/06/2024 02:33	WG2299427
SVP-62-4-4.0	L1741416-06	C12-C22 Hydrocarbons	5.91		0.800	4.37	1	06/06/2024 20:46	WG2299541
SVP-62-4-4.0	L1741416-06	C22-C32 Hydrocarbons	23.9		1.45	4.37	1	06/06/2024 20:46	WG2299541
SVP-62-4-4.0	L1741416-06	C32-C40 Hydrocarbons	9.42		1.45	4.37	1	06/06/2024 20:46	WG2299541
G-G1-1-2.0	L1741416-13	C12-C22 Hydrocarbons	9.13		0.810	4.42	1	06/12/2024 19:55	WG2303717
G-G1-1-2.0	L1741416-13	C22-C32 Hydrocarbons	30.2		1.47	4.42	1	06/12/2024 19:55	WG2303717
G-G1-1-2.0	L1741416-13	C32-C40 Hydrocarbons	15.3		1.47	4.42	1	06/12/2024 19:55	WG2303717

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-3.0	L1741416-14	C12-C22 Hydrocarbons	1430		54.5	297	50	06/06/2024 23:18	WG2299541
G-G1-1-3.0	L1741416-14	C22-C32 Hydrocarbons	6350		98.7	297	50	06/06/2024 23:18	WG2299541
G-G1-1-3.0	L1741416-14	C32-C40 Hydrocarbons	2430		98.7	297	50	06/06/2024 23:18	WG2299541
G-G1-1-4.0	L1741416-15	C12-C22 Hydrocarbons	341	V	20.3	110	20	06/12/2024 22:33	WG2303717
G-G1-1-4.0	L1741416-15	C22-C32 Hydrocarbons	1570	V	36.7	110	20	06/12/2024 22:33	WG2303717
G-G1-1-4.0	L1741416-15	C32-C40 Hydrocarbons	623		36.7	110	20	06/12/2024 22:33	WG2303717
G-G1-1-5.0	L1741416-16	C12-C22 Hydrocarbons	840		19.2	104	20	06/06/2024 21:55	WG2299541
G-G1-1-5.0	L1741416-16	C22-C32 Hydrocarbons	4040		34.7	104	20	06/06/2024 21:55	WG2299541
G-G1-1-5.0	L1741416-16	C32-C40 Hydrocarbons	1590		34.7	104	20	06/06/2024 21:55	WG2299541
G-G2-1-2.0	L1741416-18	C12-C22 Hydrocarbons	12.5		0.971	5.30	1	06/12/2024 20:09	WG2303717
G-G2-1-2.0	L1741416-18	C22-C32 Hydrocarbons	54.0		1.76	5.30	1	06/12/2024 20:09	WG2303717
G-G2-1-2.0	L1741416-18	C32-C40 Hydrocarbons	27.0		1.76	5.30	1	06/12/2024 20:09	WG2303717
G-G2-1-3.0	L1741416-19	C12-C22 Hydrocarbons	3920		510	2780	500	06/06/2024 23:04	WG2299541
G-G2-1-3.0	L1741416-19	C22-C32 Hydrocarbons	20000		924	2780	500	06/06/2024 23:04	WG2299541
G-G2-1-3.0	L1741416-19	C32-C40 Hydrocarbons	9140		924	2780	500	06/06/2024 23:04	WG2299541
G-G2-1-4.0	L1741416-20	C12-C22 Hydrocarbons	503		48.5	264	50	06/12/2024 21:35	WG2303717
G-G2-1-4.0	L1741416-20	C22-C32 Hydrocarbons	2580		87.8	264	50	06/12/2024 21:35	WG2303717
G-G2-1-4.0	L1741416-20	C32-C40 Hydrocarbons	1230		87.8	264	50	06/12/2024 21:35	WG2303717
G-G2-1-5.0	L1741416-21	C12-C22 Hydrocarbons	181		19.0	103	20	06/06/2024 22:09	WG2299541
G-G2-1-5.0	L1741416-21	C22-C32 Hydrocarbons	900		34.4	103	20	06/06/2024 22:09	WG2299541
G-G2-1-5.0	L1741416-21	C32-C40 Hydrocarbons	428		34.4	103	20	06/06/2024 22:09	WG2299541
G-G3-1-3.0	L1741416-24	C12-C22 Hydrocarbons	3.00	J	0.906	4.94	1	06/06/2024 20:18	WG2299541
G-G3-1-3.0	L1741416-24	C22-C32 Hydrocarbons	4.53	J	1.64	4.94	1	06/06/2024 20:18	WG2299541
G/BS-F4-1-3.0	L1741416-29	C12-C22 Hydrocarbons	2.39	J	0.909	4.96	1	06/06/2024 20:04	WG2299541
G/BS-F4-1-3.0	L1741416-29	C22-C32 Hydrocarbons	2.16	J	1.65	4.96	1	06/06/2024 20:04	WG2299541
G/BS-F4-1-5.0	L1741416-31	C12-C22 Hydrocarbons	2.41	J	0.957	5.22	1	06/06/2024 19:08	WG2299541
G/BS-F4-1-5.0	L1741416-31	C22-C32 Hydrocarbons	8.54		1.74	5.22	1	06/06/2024 19:08	WG2299541
G-F2-1-3.0	L1741416-34	C12-C22 Hydrocarbons	67.0		8.63	47.1	10	06/07/2024 10:21	WG2299541
G-F2-1-3.0	L1741416-34	C22-C32 Hydrocarbons	267		15.7	47.1	10	06/07/2024 10:21	WG2299541
G-F2-1-3.0	L1741416-34	C32-C40 Hydrocarbons	236		15.7	47.1	10	06/07/2024 10:21	WG2299541
G-F2-1-5.0	L1741416-36	C12-C22 Hydrocarbons	9.48		0.966	5.27	1	06/06/2024 21:00	WG2299541
G-F2-1-5.0	L1741416-36	C22-C32 Hydrocarbons	8.67		1.75	5.27	1	06/06/2024 21:00	WG2299541
G-F2-1-5.0	L1741416-36	C32-C40 Hydrocarbons	10.1		1.75	5.27	1	06/06/2024 21:00	WG2299541

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G2-1-1.0	L1741416-17	PCB 1260	0.143		0.00923	0.0213	1	06/10/2024 12:20	WG2300315
G/BS-F4-1-1.0	L1741416-27	PCB 1260	0.0442		0.00805	0.0185	1	06/06/2024 00:24	WG2298713
G/BS-F4-1-2.0	L1741416-28	PCB 1260	0.0331		0.00873	0.0201	1	06/20/2024 02:07	WG2307723

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-1.0	L1741416-12	Acenaphthene	0.0907		0.0127	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Acenaphthylene	0.249		0.0110	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Anthracene	0.489		0.0140	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Benzo(a)anthracene	2.61		0.0138	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Benzo(b)fluoranthene	3.25		0.0146	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Benzo(k)fluoranthene	1.10		0.0139	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Benzo(g,h,i)perylene	1.34		0.0144	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Benzo(a)pyrene	2.86		0.0146	0.0783	2	06/06/2024 22:14	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G1-1-1.0	L1741416-12	Chrysene	3.14		0.0155	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Dibenz(a,h)anthracene	0.416		0.0218	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Fluoranthene	5.25		0.0707	0.392	10	06/08/2024 01:43	WG2299140
G-G1-1-1.0	L1741416-12	Fluorene	0.153		0.0127	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Indeno(1,2,3-cd)pyrene	1.60		0.0221	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Naphthalene	0.0649	J	0.0196	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Phenanthrene	2.39		0.0155	0.0783	2	06/06/2024 22:14	WG2299140
G-G1-1-1.0	L1741416-12	Pyrene	4.89		0.0762	0.392	10	06/08/2024 01:43	WG2299140
G-G1-1-2.0	L1741416-13	Acenaphthene	0.0933		0.00596	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Acenaphthylene	0.0523		0.00518	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Anthracene	0.395		0.00656	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Benzo(a)anthracene	1.17		0.00649	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Benzo(b)fluoranthene	1.30		0.00687	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Benzo(k)fluoranthene	0.494		0.00654	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Benzo(g,h,i)perylene	0.555		0.00673	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Benzo(a)pyrene	1.15		0.00684	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Chrysene	1.37		0.00732	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Dibenz(a,h)anthracene	0.155		0.0102	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Fluoranthene	2.56		0.0333	0.185	5	06/12/2024 13:36	WG2301376
G-G1-1-2.0	L1741416-13	Fluorene	0.311		0.00599	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Indeno(1,2,3-cd)pyrene	0.615		0.0104	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Naphthalene	0.216		0.00924	0.0368	1	06/11/2024 21:34	WG2301376
G-G1-1-2.0	L1741416-13	Phenanthrene	2.55		0.0366	0.185	5	06/12/2024 13:36	WG2301376
G-G1-1-2.0	L1741416-13	Pyrene	2.29		0.0358	0.185	5	06/12/2024 13:36	WG2301376
G-G1-1-3.0	L1741416-14	Fluoranthene	0.101	J	0.0892	0.494	10	06/11/2024 05:22	WG2301591
G-G1-1-3.0	L1741416-14	Fluorene	0.0870	J	0.0804	0.494	10	06/11/2024 05:22	WG2301591
G-G1-1-3.0	L1741416-14	Phenanthrene	0.130	J	0.0981	0.494	10	06/11/2024 05:22	WG2301591
G-G1-1-3.0	L1741416-14	Pyrene	0.211	J	0.0962	0.494	10	06/11/2024 05:22	WG2301591
G-G2-1-1.0	L1741416-17	Acenaphthene	0.0184	J	0.0135	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Anthracene	0.0180	J	0.0149	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Benzo(a)anthracene	0.333		0.0146	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Benzo(b)fluoranthene	0.631		0.0155	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Benzo(k)fluoranthene	0.208		0.0148	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Benzo(g,h,i)perylene	0.316		0.0153	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Benzo(a)pyrene	0.446		0.0155	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Chrysene	0.573		0.0165	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Dibenz(a,h)anthracene	0.0978		0.0231	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Fluoranthene	0.391		0.0150	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Indeno(1,2,3-cd)pyrene	0.309		0.0235	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Phenanthrene	0.109		0.0165	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-1.0	L1741416-17	Pyrene	0.440		0.0163	0.0833	2	06/06/2024 22:34	WG2299140
G-G2-1-2.0	L1741416-18	Benzo(a)anthracene	0.0264	J	0.00778	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Benzo(b)fluoranthene	0.0435	J	0.00823	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Benzo(k)fluoranthene	0.0160	J	0.00784	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Benzo(g,h,i)perylene	0.0261	J	0.00807	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Benzo(a)pyrene	0.0333	J	0.00820	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Chrysene	0.0391	J	0.00877	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Fluoranthene	0.0333	J	0.00796	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Indeno(1,2,3-cd)pyrene	0.0225	J	0.0125	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Phenanthrene	0.0171	J	0.00876	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-2.0	L1741416-18	Pyrene	0.0397	J	0.00858	0.0441	1	06/06/2024 19:31	WG2299140
G-G2-1-3.0	L1741416-19	Benzo(b)fluoranthene	0.0895	J	0.0863	0.463	10	06/11/2024 06:08	WG2301591
G-G2-1-3.0	L1741416-19	Chrysene	0.118	J	0.0920	0.463	10	06/11/2024 06:08	WG2301591
G-G2-1-3.0	L1741416-19	Fluoranthene	0.122	J	0.0835	0.463	10	06/11/2024 06:08	WG2301591
G-G2-1-3.0	L1741416-19	Naphthalene	0.388	J	0.116	0.463	10	06/11/2024 06:08	WG2301591
G-G2-1-3.0	L1741416-19	Phenanthrene	0.303	J	0.0918	0.463	10	06/11/2024 06:08	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-G3-1-1.0	L1741416-22	Acenaphthene	0.0173	J	0.0115	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Acenaphthylene	0.0129	J	0.00998	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Anthracene	0.0199	J	0.0127	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Benzo(a)anthracene	0.0700	J	0.0124	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Benzo(b)fluoranthene	0.0966		0.0132	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Benzo(k)fluoranthene	0.0337	J	0.0125	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Benzo(g,h,i)perylene	0.0560	J	0.0130	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Benzo(a)pyrene	0.0782		0.0132	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Chrysene	0.0908		0.0140	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Fluoranthene	0.186		0.0128	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Fluorene	0.0232	J	0.0115	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Indeno(1,2,3-cd)pyrene	0.0536	J	0.0200	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Naphthalene	0.0428	J	0.0178	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Phenanthrene	0.178		0.0140	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-1.0	L1741416-22	Pyrene	0.175		0.0138	0.0708	2	06/06/2024 19:51	WG2299140
G-G3-1-2.0	L1741416-23	Acenaphthene	0.0369	J	0.00661	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Benzo(a)anthracene	0.0205	J	0.00720	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Benzo(b)fluoranthene	0.0285	J	0.00762	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Benzo(k)fluoranthene	0.0107	J	0.00726	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Benzo(g,h,i)perylene	0.0178	J	0.00747	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Benzo(a)pyrene	0.0218	J	0.00760	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Chrysene	0.0302	J	0.00812	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Fluoranthene	0.0420		0.00737	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Fluorene	0.00983	J	0.00665	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Indeno(1,2,3-cd)pyrene	0.0148	J	0.0115	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Phenanthrene	0.0216	J	0.00811	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-2.0	L1741416-23	Pyrene	0.0547		0.00795	0.0409	1	06/11/2024 02:16	WG2301591
G-G3-1-3.0	L1741416-24	Benzo(a)anthracene	0.00766	J	0.00725	0.0411	1	06/11/2024 02:37	WG2301591
G-G3-1-3.0	L1741416-24	Benzo(b)fluoranthene	0.00960	J	0.00767	0.0411	1	06/11/2024 02:37	WG2301591
G-G3-1-3.0	L1741416-24	Chrysene	0.0103	J	0.00818	0.0411	1	06/11/2024 02:37	WG2301591
G-G3-1-3.0	L1741416-24	Fluoranthene	0.0101	J	0.00742	0.0411	1	06/11/2024 02:37	WG2301591
G-G3-1-3.0	L1741416-24	Pyrene	0.0143	J	0.00801	0.0411	1	06/11/2024 02:37	WG2301591
G/BS-F4-1-1.0	L1741416-27	Anthracene	0.0144	J	0.0130	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Benzo(a)anthracene	0.0538	J	0.0128	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Benzo(b)fluoranthene	0.0986		0.0135	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Benzo(k)fluoranthene	0.0321	J	0.0129	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Benzo(g,h,i)perylene	0.0406	J	0.0133	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Benzo(a)pyrene	0.0526	J	0.0135	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Chrysene	0.0532	J	0.0144	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Fluoranthene	0.0909		0.0131	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Indeno(1,2,3-cd)pyrene	0.0361	J	0.0205	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Naphthalene	0.0389	J	0.0182	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Phenanthrene	0.0694	J	0.0144	0.0727	2	06/06/2024 23:15	WG2299140
G/BS-F4-1-1.0	L1741416-27	Pyrene	0.0781		0.0142	0.0727	2	06/06/2024 23:15	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-F4-1-2.0	L1741416-28	Acenaphthene	0.0536	J	0.0128	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Acenaphthylene	0.0259	J	0.0111	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Anthracene	0.187		0.0141	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Benzo(a)anthracene	0.654		0.0138	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Benzo(b)fluoranthene	0.926		0.0147	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Benzo(k)fluoranthene	0.304		0.0140	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Benzo(g,h,i)perylene	0.440		0.0144	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Benzo(a)pyrene	0.672		0.0147	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Chrysene	0.731		0.0156	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Dibenz(a,h)anthracene	0.116		0.0219	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Fluoranthene	1.08		0.0142	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Fluorene	0.0510	J	0.0128	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Indeno(1,2,3-cd)pyrene	0.461		0.0222	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Naphthalene	0.0699	J	0.0198	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Phenanthrene	0.673		0.0156	0.0788	2	06/11/2024 03:39	WG2301591
G/BS-F4-1-2.0	L1741416-28	Pyrene	1.31		0.0154	0.0788	2	06/11/2024 03:39	WG2301591
G-F2-1-1.0	L1741416-32	Acenaphthene	0.0688		0.00644	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Acenaphthylene	0.0738		0.00560	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Anthracene	0.195		0.00708	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Benzo(a)anthracene	0.617		0.00701	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Benzo(b)fluoranthene	1.03		0.00742	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Benzo(k)fluoranthene	0.371		0.00707	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Benzo(g,h,i)perylene	0.295		0.00727	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Benzo(a)pyrene	0.731		0.00739	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Chrysene	0.742		0.00790	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Dibenz(a,h)anthracene	0.0900		0.0110	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Fluoranthene	1.07		0.00718	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Fluorene	0.158		0.00647	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Indeno(1,2,3-cd)pyrene	0.338		0.0112	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Naphthalene	0.0768		0.00998	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Phenanthrene	0.875		0.00789	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-1.0	L1741416-32	Pyrene	1.09		0.00774	0.0398	1	06/07/2024 19:26	WG2299143
G-F2-1-2.0	L1741416-33	Benzo(a)anthracene	14.5		1.32	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Benzo(b)fluoranthene	25.9		1.40	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Benzo(k)fluoranthene	8.52		1.33	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Benzo(g,h,i)perylene	13.1		1.37	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Benzo(a)pyrene	20.0		1.40	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Chrysene	22.6		1.49	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Dibenz(a,h)anthracene	4.44	J	2.08	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Fluoranthene	14.8		1.35	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Indeno(1,2,3-cd)pyrene	13.0		2.12	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Phenanthrene	2.84	J	1.49	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-2.0	L1741416-33	Pyrene	18.0		1.46	7.50	200	06/12/2024 06:28	WG2302475
G-F2-1-3.0	L1741416-34	Acenaphthene	0.201	J	0.0635	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Anthracene	0.280	J	0.0699	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Benzo(a)anthracene	7.40		0.0691	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Benzo(b)fluoranthene	14.1		0.0732	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Benzo(k)fluoranthene	5.11		0.0697	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Benzo(g,h,i)perylene	7.02		0.0717	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Benzo(a)pyrene	10.9		0.0729	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Chrysene	12.5		0.0780	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Dibenz(a,h)anthracene	2.21		0.109	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Fluoranthene	5.51		0.0708	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Fluorene	0.0642	J	0.0638	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Indeno(1,2,3-cd)pyrene	6.76		0.111	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Naphthalene	0.280	J	0.0985	0.392	10	06/11/2024 05:01	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-F2-1-3.0	L1741416-34	Phenanthrene	1.27		0.0779	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-3.0	L1741416-34	Pyrene	8.79		0.0763	0.392	10	06/11/2024 05:01	WG2301591
G-F2-1-4.0	L1741416-35	Benzo(a)anthracene	1.73		0.144	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Benzo(b)fluoranthene	4.25		0.153	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Benzo(k)fluoranthene	1.37		0.146	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Benzo(g,h,i)perylene	1.53		0.151	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Benzo(a)pyrene	2.19		0.153	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Chrysene	3.49		0.163	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Dibenz(a,h)anthracene	0.533	J	0.228	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Fluoranthene	1.26		0.148	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Indeno(1,2,3-cd)pyrene	1.48		0.232	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Naphthalene	0.270	J	0.206	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Phenanthrene	0.522	J	0.163	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-4.0	L1741416-35	Pyrene	1.85		0.161	0.822	20	06/13/2024 03:23	WG2303704
G-F2-1-5.0	L1741416-36	Naphthalene	0.246	J	0.220	0.878	20	06/13/2024 04:24	WG2303704
G-F2-1-5.0	L1741416-36	Phenanthrene	0.200	J	0.174	0.878	20	06/13/2024 04:24	WG2303704

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	152		1.36	4.09	25	06/03/2024 17:54	WG2297459
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*06/03/2024 17:54*	WG2297459

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0597	0.0818	1	06/04/2024 20:03	WG2298438
Acrylonitrile	U		0.00590	0.0204	1	06/04/2024 20:03	WG2298438
Benzene	0.000909	J	0.000764	0.00164	1	06/04/2024 20:03	WG2298438
Bromobenzene	U		0.00147	0.0204	1	06/04/2024 20:03	WG2298438
Bromodichloromethane	U		0.00119	0.00409	1	06/04/2024 20:03	WG2298438
Bromoform	U		0.00191	0.0409	1	06/04/2024 20:03	WG2298438
Bromomethane	U		0.00322	0.0204	1	06/04/2024 20:03	WG2298438
n-Butylbenzene	0.0497		0.00859	0.0204	1	06/04/2024 20:03	WG2298438
sec-Butylbenzene	0.0615		0.00471	0.0204	1	06/04/2024 20:03	WG2298438
tert-Butylbenzene	U		0.00319	0.00818	1	06/04/2024 20:03	WG2298438
Carbon tetrachloride	U		0.00147	0.00818	1	06/04/2024 20:03	WG2298438
Chlorobenzene	U		0.000343	0.00409	1	06/04/2024 20:03	WG2298438
Chlorodibromomethane	U		0.00100	0.00409	1	06/04/2024 20:03	WG2298438
Chloroethane	U		0.00278	0.00818	1	06/04/2024 20:03	WG2298438
Chloroform	U		0.00168	0.00409	1	06/04/2024 20:03	WG2298438
Chloromethane	U		0.00712	0.0204	1	06/04/2024 20:03	WG2298438
2-Chlorotoluene	U		0.00141	0.00409	1	06/04/2024 20:03	WG2298438
4-Chlorotoluene	U		0.000736	0.00818	1	06/04/2024 20:03	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00638	0.0409	1	06/04/2024 20:03	WG2298438
1,2-Dibromoethane	U		0.00106	0.00409	1	06/04/2024 20:03	WG2298438
Dibromomethane	U		0.00123	0.00818	1	06/04/2024 20:03	WG2298438
1,2-Dichlorobenzene	U		0.000695	0.00818	1	06/04/2024 20:03	WG2298438
1,3-Dichlorobenzene	U		0.000981	0.00818	1	06/04/2024 20:03	WG2298438
1,4-Dichlorobenzene	U		0.00114	0.00818	1	06/04/2024 20:03	WG2298438
Dichlorodifluoromethane	U		0.00263	0.00818	1	06/04/2024 20:03	WG2298438
1,1-Dichloroethane	U		0.000803	0.00409	1	06/04/2024 20:03	WG2298438
1,2-Dichloroethane	U		0.00106	0.00409	1	06/04/2024 20:03	WG2298438
1,1-Dichloroethene	U		0.000991	0.00409	1	06/04/2024 20:03	WG2298438
cis-1,2-Dichloroethene	U		0.00120	0.00409	1	06/04/2024 20:03	WG2298438
trans-1,2-Dichloroethene	U		0.00170	0.00818	1	06/04/2024 20:03	WG2298438
1,2-Dichloropropane	U		0.00232	0.00818	1	06/04/2024 20:03	WG2298438
1,1-Dichloropropene	U		0.00132	0.00409	1	06/04/2024 20:03	WG2298438
1,3-Dichloropropane	U		0.000819	0.00818	1	06/04/2024 20:03	WG2298438
cis-1,3-Dichloropropene	U		0.00124	0.00409	1	06/04/2024 20:03	WG2298438
trans-1,3-Dichloropropene	U		0.00186	0.00818	1	06/04/2024 20:03	WG2298438
2,2-Dichloropropane	U		0.00226	0.00409	1	06/04/2024 20:03	WG2298438
Di-isopropyl ether	U		0.000671	0.00164	1	06/04/2024 20:03	WG2298438
Ethylbenzene	0.00208	J	0.00121	0.00409	1	06/04/2024 20:03	WG2298438
Hexachloro-1,3-butadiene	U		0.00981	0.0409	1	06/04/2024 20:03	WG2298438
Isopropylbenzene	0.0144		0.000695	0.00409	1	06/04/2024 20:03	WG2298438
p-Isopropyltoluene	U		0.00417	0.00818	1	06/04/2024 20:03	WG2298438
2-Butanone (MEK)	U		0.104	0.164	1	06/04/2024 20:03	WG2298438
Methylene Chloride	U		0.0109	0.0409	1	06/04/2024 20:03	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00373	0.0409	1	06/04/2024 20:03	WG2298438

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000572	0.00164	1	06/04/2024 20:03	WG2298438
Naphthalene	U		0.00798	0.0204	1	06/04/2024 20:03	WG2298438
n-Propylbenzene	0.0329		0.00155	0.00818	1	06/04/2024 20:03	WG2298438
Styrene	U		0.000375	0.0204	1	06/04/2024 20:03	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00155	0.00409	1	06/04/2024 20:03	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00114	0.00409	1	06/04/2024 20:03	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00409	1	06/04/2024 20:03	WG2298438
Tetrachloroethene	U		0.00147	0.00409	1	06/04/2024 20:03	WG2298438
Toluene	0.00312	J	0.00213	0.00818	1	06/04/2024 20:03	WG2298438
1,2,3-Trichlorobenzene	U		0.0120	0.0204	1	06/04/2024 20:03	WG2298438
1,2,4-Trichlorobenzene	U		0.00720	0.0204	1	06/04/2024 20:03	WG2298438
1,1,1-Trichloroethane	U		0.00151	0.00409	1	06/04/2024 20:03	WG2298438
1,1,2-Trichloroethane	U		0.000976	0.00409	1	06/04/2024 20:03	WG2298438
Trichloroethene	U		0.000955	0.00164	1	06/04/2024 20:03	WG2298438
Trichlorofluoromethane	U		0.00135	0.00409	1	06/04/2024 20:03	WG2298438
1,2,3-Trichloropropane	U		0.00265	0.0204	1	06/04/2024 20:03	WG2298438
1,2,4-Trimethylbenzene	U		0.00258	0.00818	1	06/04/2024 20:03	WG2298438
1,2,3-Trimethylbenzene	U		0.00258	0.00818	1	06/04/2024 20:03	WG2298438
1,3,5-Trimethylbenzene	U		0.00327	0.00818	1	06/04/2024 20:03	WG2298438
Vinyl chloride	U		0.00190	0.00409	1	06/04/2024 20:03	WG2298438
Xylenes, Total	0.00662	J	0.00144	0.0106	1	06/04/2024 20:03	WG2298438
(S) Toluene-d8	*107*			*75.0-131*		*06/04/2024 20:03*	WG2298438
(S) 4-Bromofluorobenzene	*120*			*67.0-138*		*06/04/2024 20:03*	WG2298438
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*06/04/2024 20:03*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.12	J	0.953	5.20	1	06/06/2024 02:04	WG2299427
C22-C32 Hydrocarbons	U		1.73	5.20	1	06/06/2024 02:04	WG2299427
C32-C40 Hydrocarbons	U		1.73	5.20	1	06/06/2024 02:04	WG2299427
(S) o-Terphenyl	*58.3*			*18.0-148*		*06/06/2024 02:04*	WG2299427

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.8		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.07	B J	1.35	4.06	25	06/03/2024 18:14	WG2297459
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*06/03/2024 18:14*	WG2297459

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0593	0.0813	1	06/04/2024 20:32	WG2298438
Acrylonitrile	U		0.00587	0.0203	1	06/04/2024 20:32	WG2298438
Benzene	U		0.000759	0.00163	1	06/04/2024 20:32	WG2298438
Bromobenzene	U		0.00146	0.0203	1	06/04/2024 20:32	WG2298438
Bromodichloromethane	U		0.00118	0.00406	1	06/04/2024 20:32	WG2298438
Bromoform	U		0.00190	0.0406	1	06/04/2024 20:32	WG2298438
Bromomethane	U		0.00320	0.0203	1	06/04/2024 20:32	WG2298438
n-Butylbenzene	U		0.00853	0.0203	1	06/04/2024 20:32	WG2298438
sec-Butylbenzene	U		0.00468	0.0203	1	06/04/2024 20:32	WG2298438
tert-Butylbenzene	U		0.00317	0.00813	1	06/04/2024 20:32	WG2298438
Carbon tetrachloride	U		0.00146	0.00813	1	06/04/2024 20:32	WG2298438
Chlorobenzene	U		0.000341	0.00406	1	06/04/2024 20:32	WG2298438
Chlorodibromomethane	U		0.000995	0.00406	1	06/04/2024 20:32	WG2298438
Chloroethane	U		0.00276	0.00813	1	06/04/2024 20:32	WG2298438
Chloroform	U		0.00167	0.00406	1	06/04/2024 20:32	WG2298438
Chloromethane	U		0.00707	0.0203	1	06/04/2024 20:32	WG2298438
2-Chlorotoluene	U		0.00141	0.00406	1	06/04/2024 20:32	WG2298438
4-Chlorotoluene	U		0.000731	0.00813	1	06/04/2024 20:32	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00634	0.0406	1	06/04/2024 20:32	WG2298438
1,2-Dibromoethane	U		0.00105	0.00406	1	06/04/2024 20:32	WG2298438
Dibromomethane	U		0.00122	0.00813	1	06/04/2024 20:32	WG2298438
1,2-Dichlorobenzene	U		0.000691	0.00813	1	06/04/2024 20:32	WG2298438
1,3-Dichlorobenzene	U		0.000975	0.00813	1	06/04/2024 20:32	WG2298438
1,4-Dichlorobenzene	U		0.00114	0.00813	1	06/04/2024 20:32	WG2298438
Dichlorodifluoromethane	U		0.00262	0.00813	1	06/04/2024 20:32	WG2298438
1,1-Dichloroethane	U		0.000798	0.00406	1	06/04/2024 20:32	WG2298438
1,2-Dichloroethane	U		0.00105	0.00406	1	06/04/2024 20:32	WG2298438
1,1-Dichloroethene	U		0.000985	0.00406	1	06/04/2024 20:32	WG2298438
cis-1,2-Dichloroethene	U		0.00119	0.00406	1	06/04/2024 20:32	WG2298438
trans-1,2-Dichloroethene	U		0.00169	0.00813	1	06/04/2024 20:32	WG2298438
1,2-Dichloropropane	U		0.00231	0.00813	1	06/04/2024 20:32	WG2298438
1,1-Dichloropropene	U		0.00131	0.00406	1	06/04/2024 20:32	WG2298438
1,3-Dichloropropane	U		0.000814	0.00813	1	06/04/2024 20:32	WG2298438
cis-1,3-Dichloropropene	U		0.00123	0.00406	1	06/04/2024 20:32	WG2298438
trans-1,3-Dichloropropene	U		0.00185	0.00813	1	06/04/2024 20:32	WG2298438
2,2-Dichloropropane	U		0.00224	0.00406	1	06/04/2024 20:32	WG2298438
Di-isopropyl ether	U		0.000666	0.00163	1	06/04/2024 20:32	WG2298438
Ethylbenzene	U		0.00120	0.00406	1	06/04/2024 20:32	WG2298438
Hexachloro-1,3-butadiene	U		0.00975	0.0406	1	06/04/2024 20:32	WG2298438
Isopropylbenzene	U		0.000691	0.00406	1	06/04/2024 20:32	WG2298438
p-Isopropyltoluene	U		0.00414	0.00813	1	06/04/2024 20:32	WG2298438
2-Butanone (MEK)	U		0.103	0.163	1	06/04/2024 20:32	WG2298438
Methylene Chloride	U		0.0108	0.0406	1	06/04/2024 20:32	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00371	0.0406	1	06/04/2024 20:32	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000569	0.00163	1	06/04/2024 20:32	WG2298438
Naphthalene	U		0.00793	0.0203	1	06/04/2024 20:32	WG2298438
n-Propylbenzene	U		0.00154	0.00813	1	06/04/2024 20:32	WG2298438
Styrene	U		0.000372	0.0203	1	06/04/2024 20:32	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00154	0.00406	1	06/04/2024 20:32	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1	06/04/2024 20:32	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00406	1	06/04/2024 20:32	WG2298438
Tetrachloroethene	U		0.00146	0.00406	1	06/04/2024 20:32	WG2298438
Toluene	U		0.00211	0.00813	1	06/04/2024 20:32	WG2298438
1,2,3-Trichlorobenzene	U		0.0119	0.0203	1	06/04/2024 20:32	WG2298438
1,2,4-Trichlorobenzene	U		0.00715	0.0203	1	06/04/2024 20:32	WG2298438
1,1,1-Trichloroethane	U		0.00150	0.00406	1	06/04/2024 20:32	WG2298438
1,1,2-Trichloroethane	U		0.000970	0.00406	1	06/04/2024 20:32	WG2298438
Trichloroethene	U		0.000949	0.00163	1	06/04/2024 20:32	WG2298438
Trichlorofluoromethane	U		0.00134	0.00406	1	06/04/2024 20:32	WG2298438
1,2,3-Trichloropropane	U		0.00263	0.0203	1	06/04/2024 20:32	WG2298438
1,2,4-Trimethylbenzene	U		0.00257	0.00813	1	06/04/2024 20:32	WG2298438
1,2,3-Trimethylbenzene	U		0.00257	0.00813	1	06/04/2024 20:32	WG2298438
1,3,5-Trimethylbenzene	U		0.00325	0.00813	1	06/04/2024 20:32	WG2298438
Vinyl chloride	U		0.00189	0.00406	1	06/04/2024 20:32	WG2298438
Xylenes, Total	U		0.00143	0.0106	1	06/04/2024 20:32	WG2298438
(S) Toluene-d8	*105*			*75.0-131*		*06/04/2024 20:32*	WG2298438
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/04/2024 20:32*	WG2298438
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*06/04/2024 20:32*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.954	5.21	1	06/06/2024 02:18	WG2299427
C22-C32 Hydrocarbons	U		1.73	5.21	1	06/06/2024 02:18	WG2299427
C32-C40 Hydrocarbons	U		1.73	5.21	1	06/06/2024 02:18	WG2299427
(S) o-Terphenyl	*73.0*			*18.0-148*		*06/06/2024 02:18*	WG2299427

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	303		1.42	4.28	25	06/03/2024 18:33	WG2297459
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*06/03/2024 18:33*	WG2297459

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0625	0.0856	1	06/04/2024 20:54	WG2298438
Acrylonitrile	U		0.00618	0.0214	1	06/04/2024 20:54	WG2298438
Benzene	0.00226		0.000800	0.00171	1	06/04/2024 20:54	WG2298438
Bromobenzene	U		0.00154	0.0214	1	06/04/2024 20:54	WG2298438
Bromodichloromethane	U		0.00124	0.00428	1	06/04/2024 20:54	WG2298438
Bromoform	U		0.00200	0.0428	1	06/04/2024 20:54	WG2298438
Bromomethane	U		0.00337	0.0214	1	06/04/2024 20:54	WG2298438
n-Butylbenzene	2.62		0.00899	0.0214	1	06/04/2024 20:54	WG2298438
sec-Butylbenzene	1.92		0.00493	0.0214	1	06/04/2024 20:54	WG2298438
tert-Butylbenzene	0.164		0.00334	0.00856	1	06/04/2024 20:54	WG2298438
Carbon tetrachloride	U		0.00154	0.00856	1	06/04/2024 20:54	WG2298438
Chlorobenzene	U		0.000360	0.00428	1	06/04/2024 20:54	WG2298438
Chlorodibromomethane	U		0.00105	0.00428	1	06/04/2024 20:54	WG2298438
Chloroethane	U		0.00291	0.00856	1	06/04/2024 20:54	WG2298438
Chloroform	U		0.00176	0.00428	1	06/04/2024 20:54	WG2298438
Chloromethane	U		0.00745	0.0214	1	06/04/2024 20:54	WG2298438
2-Chlorotoluene	U		0.00148	0.00428	1	06/04/2024 20:54	WG2298438
4-Chlorotoluene	U		0.000771	0.00856	1	06/04/2024 20:54	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00668	0.0428	1	06/04/2024 20:54	WG2298438
1,2-Dibromoethane	U		0.00111	0.00428	1	06/04/2024 20:54	WG2298438
Dibromomethane	U		0.00128	0.00856	1	06/04/2024 20:54	WG2298438
1,2-Dichlorobenzene	0.390		0.000728	0.00856	1	06/04/2024 20:54	WG2298438
1,3-Dichlorobenzene	0.298		0.00103	0.00856	1	06/04/2024 20:54	WG2298438
1,4-Dichlorobenzene	1.42		0.00120	0.00856	1	06/04/2024 20:54	WG2298438
Dichlorodifluoromethane	U		0.00276	0.00856	1	06/04/2024 20:54	WG2298438
1,1-Dichloroethane	U		0.000841	0.00428	1	06/04/2024 20:54	WG2298438
1,2-Dichloroethane	U		0.00111	0.00428	1	06/04/2024 20:54	WG2298438
1,1-Dichloroethene	U		0.00104	0.00428	1	06/04/2024 20:54	WG2298438
cis-1,2-Dichloroethene	U		0.00126	0.00428	1	06/04/2024 20:54	WG2298438
trans-1,2-Dichloroethene	U		0.00178	0.00856	1	06/04/2024 20:54	WG2298438
1,2-Dichloropropane	U		0.00243	0.00856	1	06/04/2024 20:54	WG2298438
1,1-Dichloropropene	U		0.00139	0.00428	1	06/04/2024 20:54	WG2298438
1,3-Dichloropropane	U		0.000858	0.00856	1	06/04/2024 20:54	WG2298438
cis-1,3-Dichloropropene	U		0.00130	0.00428	1	06/04/2024 20:54	WG2298438
trans-1,3-Dichloropropene	U		0.00195	0.00856	1	06/04/2024 20:54	WG2298438
2,2-Dichloropropane	U		0.00236	0.00428	1	06/04/2024 20:54	WG2298438
Di-isopropyl ether	U		0.000702	0.00171	1	06/04/2024 20:54	WG2298438
Ethylbenzene	0.00140	J	0.00126	0.00428	1	06/04/2024 20:54	WG2298438
Hexachloro-1,3-butadiene	U		0.0103	0.0428	1	06/04/2024 20:54	WG2298438
Isopropylbenzene	0.834		0.000728	0.00428	1	06/04/2024 20:54	WG2298438
p-Isopropyltoluene	0.00669	J	0.00437	0.00856	1	06/04/2024 20:54	WG2298438
2-Butanone (MEK)	U		0.109	0.171	1	06/04/2024 20:54	WG2298438
Methylene Chloride	U		0.0114	0.0428	1	06/04/2024 20:54	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00390	0.0428	1	06/04/2024 20:54	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000599	0.00171	1	06/04/2024 20:54	WG2298438
Naphthalene	U		0.00836	0.0214	1	06/04/2024 20:54	WG2298438
n-Propylbenzene	0.0702		0.00163	0.00856	1	06/04/2024 20:54	WG2298438
Styrene	U		0.000392	0.0214	1	06/04/2024 20:54	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00162	0.00428	1	06/04/2024 20:54	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00119	0.00428	1	06/04/2024 20:54	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00428	1	06/04/2024 20:54	WG2298438
Tetrachloroethene	U		0.00153	0.00428	1	06/04/2024 20:54	WG2298438
Toluene	0.00353	J	0.00223	0.00856	1	06/04/2024 20:54	WG2298438
1,2,3-Trichlorobenzene	U		0.0126	0.0214	1	06/04/2024 20:54	WG2298438
1,2,4-Trichlorobenzene	0.120		0.00753	0.0214	1	06/04/2024 20:54	WG2298438
1,1,1-Trichloroethane	U		0.00158	0.00428	1	06/04/2024 20:54	WG2298438
1,1,2-Trichloroethane	U		0.00102	0.00428	1	06/04/2024 20:54	WG2298438
Trichloroethene	U		0.00100	0.00171	1	06/04/2024 20:54	WG2298438
Trichlorofluoromethane	U		0.00142	0.00428	1	06/04/2024 20:54	WG2298438
1,2,3-Trichloropropane	U		0.00277	0.0214	1	06/04/2024 20:54	WG2298438
1,2,4-Trimethylbenzene	0.00794	J	0.00271	0.00856	1	06/04/2024 20:54	WG2298438
1,2,3-Trimethylbenzene	0.0288		0.00271	0.00856	1	06/04/2024 20:54	WG2298438
1,3,5-Trimethylbenzene	U		0.00342	0.00856	1	06/04/2024 20:54	WG2298438
Vinyl chloride	U		0.00199	0.00428	1	06/04/2024 20:54	WG2298438
Xylenes, Total	0.139		0.00151	0.0111	1	06/04/2024 20:54	WG2298438
(S) Toluene-d8	*103*			*75.0-131*		*06/04/2024 20:54*	WG2298438
(S) 4-Bromofluorobenzene	*133*			*67.0-138*		*06/04/2024 20:54*	WG2298438
(S) 1,2-Dichloroethane-d4	*0.000*	J2		*70.0-130*		*06/04/2024 20:54*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3510		48.6	265	50	06/06/2024 11:11	WG2299427
C22-C32 Hydrocarbons	7590		88.1	265	50	06/06/2024 11:11	WG2299427
C32-C40 Hydrocarbons	2110		88.1	265	50	06/06/2024 11:11	WG2299427
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/06/2024 11:11*	WG2299427

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	486		14.3	42.9	250	06/07/2024 01:26	WG2300304
(S) a,a,a-Trifluorotoluene(FID)	*87.5*			*77.0-120*		*06/07/2024 01:26*	WG2300304

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0627	0.0858	1	06/04/2024 21:14	WG2298438
Acrylonitrile	U		0.00620	0.0215	1	06/04/2024 21:14	WG2298438
Benzene	0.00204		0.000802	0.00172	1	06/04/2024 21:14	WG2298438
Bromobenzene	U		0.00155	0.0215	1	06/04/2024 21:14	WG2298438
Bromodichloromethane	U		0.00124	0.00429	1	06/04/2024 21:14	WG2298438
Bromoform	U		0.00201	0.0429	1	06/04/2024 21:14	WG2298438
Bromomethane	U		0.00338	0.0215	1	06/04/2024 21:14	WG2298438
n-Butylbenzene	2.30		0.00901	0.0215	1	06/04/2024 21:14	WG2298438
sec-Butylbenzene	1.70		0.00494	0.0215	1	06/04/2024 21:14	WG2298438
tert-Butylbenzene	0.130		0.00335	0.00858	1	06/04/2024 21:14	WG2298438
Carbon tetrachloride	U		0.00154	0.00858	1	06/04/2024 21:14	WG2298438
Chlorobenzene	U		0.000361	0.00429	1	06/04/2024 21:14	WG2298438
Chlorodibromomethane	U		0.00105	0.00429	1	06/04/2024 21:14	WG2298438
Chloroethane	U		0.00292	0.00858	1	06/04/2024 21:14	WG2298438
Chloroform	U		0.00177	0.00429	1	06/04/2024 21:14	WG2298438
Chloromethane	U		0.00747	0.0215	1	06/04/2024 21:14	WG2298438
2-Chlorotoluene	U		0.00149	0.00429	1	06/04/2024 21:14	WG2298438
4-Chlorotoluene	U		0.000773	0.00858	1	06/04/2024 21:14	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00670	0.0429	1	06/04/2024 21:14	WG2298438
1,2-Dibromoethane	U		0.00111	0.00429	1	06/04/2024 21:14	WG2298438
Dibromomethane	U		0.00129	0.00858	1	06/04/2024 21:14	WG2298438
1,2-Dichlorobenzene	0.275		0.000730	0.00858	1	06/04/2024 21:14	WG2298438
1,3-Dichlorobenzene	0.223		0.00103	0.00858	1	06/04/2024 21:14	WG2298438
1,4-Dichlorobenzene	0.956		0.00120	0.00858	1	06/04/2024 21:14	WG2298438
Dichlorodifluoromethane	U		0.00276	0.00858	1	06/04/2024 21:14	WG2298438
1,1-Dichloroethane	U		0.000843	0.00429	1	06/04/2024 21:14	WG2298438
1,2-Dichloroethane	U		0.00111	0.00429	1	06/04/2024 21:14	WG2298438
1,1-Dichloroethene	U		0.00104	0.00429	1	06/04/2024 21:14	WG2298438
cis-1,2-Dichloroethene	U		0.00126	0.00429	1	06/04/2024 21:14	WG2298438
trans-1,2-Dichloroethene	U		0.00179	0.00858	1	06/04/2024 21:14	WG2298438
1,2-Dichloropropane	U		0.00244	0.00858	1	06/04/2024 21:14	WG2298438
1,1-Dichloropropene	U		0.00139	0.00429	1	06/04/2024 21:14	WG2298438
1,3-Dichloropropane	U		0.000860	0.00858	1	06/04/2024 21:14	WG2298438
cis-1,3-Dichloropropene	U		0.00130	0.00429	1	06/04/2024 21:14	WG2298438
trans-1,3-Dichloropropene	U		0.00196	0.00858	1	06/04/2024 21:14	WG2298438
2,2-Dichloropropane	U		0.00237	0.00429	1	06/04/2024 21:14	WG2298438
Di-isopropyl ether	U		0.000704	0.00172	1	06/04/2024 21:14	WG2298438
Ethylbenzene	0.00362	J	0.00127	0.00429	1	06/04/2024 21:14	WG2298438
Hexachloro-1,3-butadiene	U		0.0103	0.0429	1	06/04/2024 21:14	WG2298438
Isopropylbenzene	1.10		0.000730	0.00429	1	06/04/2024 21:14	WG2298438
p-Isopropyltoluene	U		0.00438	0.00858	1	06/04/2024 21:14	WG2298438
2-Butanone (MEK)	U		0.109	0.172	1	06/04/2024 21:14	WG2298438
Methylene Chloride	U		0.0114	0.0429	1	06/04/2024 21:14	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00391	0.0429	1	06/04/2024 21:14	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000601	0.00172	1	06/04/2024 21:14	WG2298438
Naphthalene	U		0.00838	0.0215	1	06/04/2024 21:14	WG2298438
n-Propylbenzene	0.323		0.00163	0.00858	1	06/04/2024 21:14	WG2298438
Styrene	U		0.000393	0.0215	1	06/04/2024 21:14	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00163	0.00429	1	06/04/2024 21:14	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00119	0.00429	1	06/04/2024 21:14	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00429	1	06/04/2024 21:14	WG2298438
Tetrachloroethene	U		0.00154	0.00429	1	06/04/2024 21:14	WG2298438
Toluene	0.00342	J	0.00223	0.00858	1	06/04/2024 21:14	WG2298438
1,2,3-Trichlorobenzene	U		0.0126	0.0215	1	06/04/2024 21:14	WG2298438
1,2,4-Trichlorobenzene	0.0697		0.00755	0.0215	1	06/04/2024 21:14	WG2298438
1,1,1-Trichloroethane	U		0.00158	0.00429	1	06/04/2024 21:14	WG2298438
1,1,2-Trichloroethane	U		0.00103	0.00429	1	06/04/2024 21:14	WG2298438
Trichloroethene	U		0.00100	0.00172	1	06/04/2024 21:14	WG2298438
Trichlorofluoromethane	U		0.00142	0.00429	1	06/04/2024 21:14	WG2298438
1,2,3-Trichloropropane	U		0.00278	0.0215	1	06/04/2024 21:14	WG2298438
1,2,4-Trimethylbenzene	0.00458	J	0.00271	0.00858	1	06/04/2024 21:14	WG2298438
1,2,3-Trimethylbenzene	0.0809		0.00271	0.00858	1	06/04/2024 21:14	WG2298438
1,3,5-Trimethylbenzene	U		0.00343	0.00858	1	06/04/2024 21:14	WG2298438
Vinyl chloride	U		0.00199	0.00429	1	06/04/2024 21:14	WG2298438
Xylenes, Total	0.123		0.00151	0.0112	1	06/04/2024 21:14	WG2298438
(S) Toluene-d8	*100*			*75.0-131*		*06/04/2024 21:14*	WG2298438
(S) 4-Bromofluorobenzene	*120*			*67.0-138*		*06/04/2024 21:14*	WG2298438
(S) 1,2-Dichloroethane-d4	*83.2*			*70.0-130*		*06/04/2024 21:14*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	681		4.83	26.3	5	06/06/2024 03:45	WG2299427
C22-C32 Hydrocarbons	1410		35.0	105	20	06/06/2024 11:25	WG2299427
C32-C40 Hydrocarbons	349		8.75	26.3	5	06/06/2024 03:45	WG2299427
(S) o-Terphenyl	*57.1*			*18.0-148*		*06/06/2024 03:45*	WG2299427
(S) o-Terphenyl	*107*	J7		*18.0-148*		*06/06/2024 11:25*	WG2299427

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.40	J	1.19	3.57	25	06/07/2024 19:44	WG2300918
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/07/2024 19:44*	WG2300918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0530	0.0726	1	06/04/2024 21:42	WG2298438
Acrylonitrile	U		0.00524	0.0181	1	06/04/2024 21:42	WG2298438
Benzene	0.00518		0.000678	0.00145	1	06/04/2024 21:42	WG2298438
Bromobenzene	U		0.00131	0.0181	1	06/04/2024 21:42	WG2298438
Bromodichloromethane	U		0.00105	0.00363	1	06/04/2024 21:42	WG2298438
Bromoform	U		0.00170	0.0363	1	06/04/2024 21:42	WG2298438
Bromomethane	U		0.00286	0.0181	1	06/04/2024 21:42	WG2298438
n-Butylbenzene	0.0338		0.00762	0.0181	1	06/04/2024 21:42	WG2298438
sec-Butylbenzene	0.0193		0.00418	0.0181	1	06/04/2024 21:42	WG2298438
tert-Butylbenzene	U		0.00283	0.00726	1	06/04/2024 21:42	WG2298438
Carbon tetrachloride	U		0.00130	0.00726	1	06/04/2024 21:42	WG2298438
Chlorobenzene	U		0.000305	0.00363	1	06/04/2024 21:42	WG2298438
Chlorodibromomethane	U		0.000888	0.00363	1	06/04/2024 21:42	WG2298438
Chloroethane	U		0.00247	0.00726	1	06/04/2024 21:42	WG2298438
Chloroform	U		0.00150	0.00363	1	06/04/2024 21:42	WG2298438
Chloromethane	U		0.00631	0.0181	1	06/04/2024 21:42	WG2298438
2-Chlorotoluene	U		0.00126	0.00363	1	06/04/2024 21:42	WG2298438
4-Chlorotoluene	U		0.000653	0.00726	1	06/04/2024 21:42	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00566	0.0363	1	06/04/2024 21:42	WG2298438
1,2-Dibromoethane	U		0.000941	0.00363	1	06/04/2024 21:42	WG2298438
Dibromomethane	U		0.00109	0.00726	1	06/04/2024 21:42	WG2298438
1,2-Dichlorobenzene	0.00303	J	0.000617	0.00726	1	06/04/2024 21:42	WG2298438
1,3-Dichlorobenzene	0.00203	J	0.000871	0.00726	1	06/04/2024 21:42	WG2298438
1,4-Dichlorobenzene	0.00952		0.00102	0.00726	1	06/04/2024 21:42	WG2298438
Dichlorodifluoromethane	U		0.00234	0.00726	1	06/04/2024 21:42	WG2298438
1,1-Dichloroethane	U		0.000713	0.00363	1	06/04/2024 21:42	WG2298438
1,2-Dichloroethane	U		0.000942	0.00363	1	06/04/2024 21:42	WG2298438
1,1-Dichloroethene	U		0.000880	0.00363	1	06/04/2024 21:42	WG2298438
cis-1,2-Dichloroethene	U		0.00107	0.00363	1	06/04/2024 21:42	WG2298438
trans-1,2-Dichloroethene	U		0.00151	0.00726	1	06/04/2024 21:42	WG2298438
1,2-Dichloropropane	U		0.00206	0.00726	1	06/04/2024 21:42	WG2298438
1,1-Dichloropropene	U		0.00117	0.00363	1	06/04/2024 21:42	WG2298438
1,3-Dichloropropane	U		0.000727	0.00726	1	06/04/2024 21:42	WG2298438
cis-1,3-Dichloropropene	U		0.00110	0.00363	1	06/04/2024 21:42	WG2298438
trans-1,3-Dichloropropene	U		0.00165	0.00726	1	06/04/2024 21:42	WG2298438
2,2-Dichloropropane	U		0.00200	0.00363	1	06/04/2024 21:42	WG2298438
Di-isopropyl ether	U		0.000595	0.00145	1	06/04/2024 21:42	WG2298438
Ethylbenzene	U		0.00107	0.00363	1	06/04/2024 21:42	WG2298438
Hexachloro-1,3-butadiene	U		0.00871	0.0363	1	06/04/2024 21:42	WG2298438
Isopropylbenzene	0.0105		0.000617	0.00363	1	06/04/2024 21:42	WG2298438
p-Isopropyltoluene	U		0.00370	0.00726	1	06/04/2024 21:42	WG2298438
2-Butanone (MEK)	U		0.0922	0.145	1	06/04/2024 21:42	WG2298438
Methylene Chloride	U		0.00964	0.0363	1	06/04/2024 21:42	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00331	0.0363	1	06/04/2024 21:42	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000508	0.00145	1	06/04/2024 21:42	WG2298438
Naphthalene	0.00827	J	0.00708	0.0181	1	06/04/2024 21:42	WG2298438
n-Propylbenzene	0.00282	J	0.00138	0.00726	1	06/04/2024 21:42	WG2298438
Styrene	U		0.000332	0.0181	1	06/04/2024 21:42	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00138	0.00363	1	06/04/2024 21:42	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00101	0.00363	1	06/04/2024 21:42	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00363	1	06/04/2024 21:42	WG2298438
Tetrachloroethene	U		0.00130	0.00363	1	06/04/2024 21:42	WG2298438
Toluene	0.00491	J	0.00189	0.00726	1	06/04/2024 21:42	WG2298438
1,2,3-Trichlorobenzene	U		0.0106	0.0181	1	06/04/2024 21:42	WG2298438
1,2,4-Trichlorobenzene	U		0.00639	0.0181	1	06/04/2024 21:42	WG2298438
1,1,1-Trichloroethane	U		0.00134	0.00363	1	06/04/2024 21:42	WG2298438
1,1,2-Trichloroethane	U		0.000867	0.00363	1	06/04/2024 21:42	WG2298438
Trichloroethene	U		0.000848	0.00145	1	06/04/2024 21:42	WG2298438
Trichlorofluoromethane	U		0.00120	0.00363	1	06/04/2024 21:42	WG2298438
1,2,3-Trichloropropane	U		0.00235	0.0181	1	06/04/2024 21:42	WG2298438
1,2,4-Trimethylbenzene	U		0.00229	0.00726	1	06/04/2024 21:42	WG2298438
1,2,3-Trimethylbenzene	U		0.00229	0.00726	1	06/04/2024 21:42	WG2298438
1,3,5-Trimethylbenzene	U		0.00290	0.00726	1	06/04/2024 21:42	WG2298438
Vinyl chloride	U		0.00168	0.00363	1	06/04/2024 21:42	WG2298438
Xylenes, Total	0.00467	J	0.00128	0.00944	1	06/04/2024 21:42	WG2298438
(S) Toluene-d8	*108*			*75.0-131*		*06/04/2024 21:42*	WG2298438
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/04/2024 21:42*	WG2298438
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*06/04/2024 21:42*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3.47	J	0.886	4.83	1	06/06/2024 02:33	WG2299427
C22-C32 Hydrocarbons	8.94		1.61	4.83	1	06/06/2024 02:33	WG2299427
C32-C40 Hydrocarbons	3.72	J	1.61	4.83	1	06/06/2024 02:33	WG2299427
(S) o-Terphenyl	*47.7*			*18.0-148*		*06/06/2024 02:33*	WG2299427

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	06/01/2024 11:02	WG2296616

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	30.6		1.58	4.76	41.5	06/04/2024 01:41	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/04/2024 01:41*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0695	0.0952	1.66	06/04/2024 22:11	WG2298438
Acrylonitrile	U		0.00687	0.0239	1.66	06/04/2024 22:11	WG2298438
Benzene	0.00576		0.000889	0.00190	1.66	06/04/2024 22:11	WG2298438
Bromobenzene	U		0.00171	0.0239	1.66	06/04/2024 22:11	WG2298438
Bromodichloromethane	U		0.00138	0.00476	1.66	06/04/2024 22:11	WG2298438
Bromoform	U		0.00223	0.0476	1.66	06/04/2024 22:11	WG2298438
Bromomethane	U		0.00375	0.0239	1.66	06/04/2024 22:11	WG2298438
n-Butylbenzene	0.0263		0.0100	0.0239	1.66	06/04/2024 22:11	WG2298438
sec-Butylbenzene	0.00691	J	0.00548	0.0239	1.66	06/04/2024 22:11	WG2298438
tert-Butylbenzene	U		0.00372	0.00952	1.66	06/04/2024 22:11	WG2298438
Carbon tetrachloride	U		0.00171	0.00952	1.66	06/04/2024 22:11	WG2298438
Chlorobenzene	U		0.000400	0.00476	1.66	06/04/2024 22:11	WG2298438
Chlorodibromomethane	U		0.00117	0.00476	1.66	06/04/2024 22:11	WG2298438
Chloroethane	U		0.00324	0.00952	1.66	06/04/2024 22:11	WG2298438
Chloroform	U		0.00196	0.00476	1.66	06/04/2024 22:11	WG2298438
Chloromethane	U		0.00828	0.0239	1.66	06/04/2024 22:11	WG2298438
2-Chlorotoluene	U		0.00165	0.00476	1.66	06/04/2024 22:11	WG2298438
4-Chlorotoluene	U		0.000857	0.00952	1.66	06/04/2024 22:11	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00742	0.0476	1.66	06/04/2024 22:11	WG2298438
1,2-Dibromoethane	U		0.00124	0.00476	1.66	06/04/2024 22:11	WG2298438
Dibromomethane	U		0.00143	0.00952	1.66	06/04/2024 22:11	WG2298438
1,2-Dichlorobenzene	U		0.000810	0.00952	1.66	06/04/2024 22:11	WG2298438
1,3-Dichlorobenzene	U		0.00114	0.00952	1.66	06/04/2024 22:11	WG2298438
1,4-Dichlorobenzene	U		0.00133	0.00952	1.66	06/04/2024 22:11	WG2298438
Dichlorodifluoromethane	U		0.00306	0.00952	1.66	06/04/2024 22:11	WG2298438
1,1-Dichloroethane	U		0.000935	0.00476	1.66	06/04/2024 22:11	WG2298438
1,2-Dichloroethane	U		0.00124	0.00476	1.66	06/04/2024 22:11	WG2298438
1,1-Dichloroethene	U		0.00116	0.00476	1.66	06/04/2024 22:11	WG2298438
cis-1,2-Dichloroethene	U		0.00140	0.00476	1.66	06/04/2024 22:11	WG2298438
trans-1,2-Dichloroethene	U		0.00198	0.00952	1.66	06/04/2024 22:11	WG2298438
1,2-Dichloropropane	U		0.00271	0.00952	1.66	06/04/2024 22:11	WG2298438
1,1-Dichloropropene	U		0.00154	0.00476	1.66	06/04/2024 22:11	WG2298438
1,3-Dichloropropane	U		0.000955	0.00952	1.66	06/04/2024 22:11	WG2298438
cis-1,3-Dichloropropene	U		0.00145	0.00476	1.66	06/04/2024 22:11	WG2298438
trans-1,3-Dichloropropene	U		0.00217	0.00952	1.66	06/04/2024 22:11	WG2298438
2,2-Dichloropropane	U		0.00263	0.00476	1.66	06/04/2024 22:11	WG2298438
Di-isopropyl ether	U		0.000781	0.00190	1.66	06/04/2024 22:11	WG2298438
Ethylbenzene	0.0168		0.00140	0.00476	1.66	06/04/2024 22:11	WG2298438
Hexachloro-1,3-butadiene	U		0.0114	0.0476	1.66	06/04/2024 22:11	WG2298438
Isopropylbenzene	0.00405	J	0.000810	0.00476	1.66	06/04/2024 22:11	WG2298438
p-Isopropyltoluene	0.0369		0.00485	0.00952	1.66	06/04/2024 22:11	WG2298438
2-Butanone (MEK)	U		0.120	0.190	1.66	06/04/2024 22:11	WG2298438
Methylene Chloride	U		0.0126	0.0476	1.66	06/04/2024 22:11	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00434	0.0476	1.66	06/04/2024 22:11	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000667	0.00190	1.66	06/04/2024 22:11	WG2298438
Naphthalene	0.211		0.00929	0.0239	1.66	06/04/2024 22:11	WG2298438
n-Propylbenzene	0.0119		0.00181	0.00952	1.66	06/04/2024 22:11	WG2298438
Styrene	U		0.000436	0.0239	1.66	06/04/2024 22:11	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00180	0.00476	1.66	06/04/2024 22:11	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00132	0.00476	1.66	06/04/2024 22:11	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00143	0.00476	1.66	06/04/2024 22:11	WG2298438
Tetrachloroethene	U		0.00171	0.00476	1.66	06/04/2024 22:11	WG2298438
Toluene	0.0177		0.00248	0.00952	1.66	06/04/2024 22:11	WG2298438
1,2,3-Trichlorobenzene	U		0.0140	0.0239	1.66	06/04/2024 22:11	WG2298438
1,2,4-Trichlorobenzene	U		0.00838	0.0239	1.66	06/04/2024 22:11	WG2298438
1,1,1-Trichloroethane	U		0.00176	0.00476	1.66	06/04/2024 22:11	WG2298438
1,1,2-Trichloroethane	U		0.00114	0.00476	1.66	06/04/2024 22:11	WG2298438
Trichloroethene	U		0.00111	0.00190	1.66	06/04/2024 22:11	WG2298438
Trichlorofluoromethane	U		0.00157	0.00476	1.66	06/04/2024 22:11	WG2298438
1,2,3-Trichloropropane	U		0.00309	0.0239	1.66	06/04/2024 22:11	WG2298438
1,2,4-Trimethylbenzene	0.0176		0.00301	0.00952	1.66	06/04/2024 22:11	WG2298438
1,2,3-Trimethylbenzene	0.0107		0.00301	0.00952	1.66	06/04/2024 22:11	WG2298438
1,3,5-Trimethylbenzene	U		0.00381	0.00952	1.66	06/04/2024 22:11	WG2298438
Vinyl chloride	U		0.00221	0.00476	1.66	06/04/2024 22:11	WG2298438
Xylenes, Total	0.0249		0.00168	0.0124	1.66	06/04/2024 22:11	WG2298438
(S) Toluene-d8	*106*			*75.0-131*		*06/04/2024 22:11*	WG2298438
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/04/2024 22:11*	WG2298438
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*06/04/2024 22:11*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	5.91		0.800	4.37	1	06/06/2024 20:46	WG2299541
C22-C32 Hydrocarbons	23.9		1.45	4.37	1	06/06/2024 20:46	WG2299541
C32-C40 Hydrocarbons	9.42		1.45	4.37	1	06/06/2024 20:46	WG2299541
(S) o-Terphenyl	*63.2*			*18.0-148*		*06/06/2024 20:46*	WG2299541

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/04/2024 13:30	WG2296182

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	07/02/2024 14:41	WG2308134
Arsenic	U		0.180	2.00	1	07/02/2024 14:41	WG2308134
Barium	2.95		0.381	2.00	1	07/02/2024 14:41	WG2308134
Beryllium	U		0.190	2.00	1	07/02/2024 18:39	WG2308134
Cadmium	U		0.150	1.00	1	07/02/2024 14:41	WG2308134
Chromium	1.31	J	1.24	2.00	1	07/02/2024 14:41	WG2308134
Copper	U		1.51	5.00	1	07/02/2024 14:41	WG2308134
Cobalt	0.165	J	0.0596	2.00	1	07/02/2024 14:41	WG2308134
Lead	U		0.849	2.00	1	07/02/2024 14:41	WG2308134
Molybdenum	U		0.348	5.00	1	07/02/2024 14:41	WG2308134
Nickel	U		0.816	2.00	1	07/02/2024 14:41	WG2308134
Selenium	U		0.300	2.00	1	07/02/2024 14:41	WG2308134
Silver	U		0.0700	2.00	1	07/02/2024 14:41	WG2308134
Thallium	U		0.121	2.00	1	07/02/2024 18:39	WG2308134
Vanadium	U		0.664	5.00	1	07/02/2024 14:41	WG2308134
Zinc	3.44	J	3.02	25.0	1	07/02/2024 14:41	WG2308134

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	U		30.4	100	1	06/05/2024 14:14	WG2299053
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*78.0-120*		*06/05/2024 14:14*	WG2299053

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/05/2024 22:54	WG2299010
Acrolein	U		2.54	50.0	1	06/05/2024 22:54	WG2299010
Acrylonitrile	U		0.671	10.0	1	06/05/2024 22:54	WG2299010
Benzene	U		0.0941	1.00	1	06/05/2024 22:54	WG2299010
Bromobenzene	U		0.118	1.00	1	06/05/2024 22:54	WG2299010
Bromodichloromethane	U		0.136	1.00	1	06/05/2024 22:54	WG2299010
Bromoform	U		0.129	1.00	1	06/05/2024 22:54	WG2299010
Bromomethane	U		0.605	5.00	1	06/05/2024 22:54	WG2299010
n-Butylbenzene	U		0.157	1.00	1	06/05/2024 22:54	WG2299010
sec-Butylbenzene	U		0.125	1.00	1	06/05/2024 22:54	WG2299010
tert-Butylbenzene	U		0.127	1.00	1	06/05/2024 22:54	WG2299010
Carbon tetrachloride	U		0.128	1.00	1	06/05/2024 22:54	WG2299010
Chlorobenzene	U		0.116	1.00	1	06/05/2024 22:54	WG2299010
Chlorodibromomethane	U		0.140	1.00	1	06/05/2024 22:54	WG2299010
Chloroethane	U		0.192	5.00	1	06/05/2024 22:54	WG2299010
Chloroform	0.912	J	0.111	5.00	1	06/05/2024 22:54	WG2299010
Chloromethane	U		0.960	2.50	1	06/05/2024 22:54	WG2299010
2-Chlorotoluene	U		0.106	1.00	1	06/05/2024 22:54	WG2299010
4-Chlorotoluene	U		0.114	1.00	1	06/05/2024 22:54	WG2299010
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/05/2024 22:54	WG2299010
1,2-Dibromoethane	U		0.126	1.00	1	06/05/2024 22:54	WG2299010
Dibromomethane	U		0.122	1.00	1	06/05/2024 22:54	WG2299010
1,2-Dichlorobenzene	U		0.107	1.00	1	06/05/2024 22:54	WG2299010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3-Dichlorobenzene	U		0.110	1.00	1	06/05/2024 22:54	WG2299010
1,4-Dichlorobenzene	U		0.120	1.00	1	06/05/2024 22:54	WG2299010
Dichlorodifluoromethane	U		0.374	5.00	1	06/05/2024 22:54	WG2299010
1,1-Dichloroethane	U		0.100	1.00	1	06/05/2024 22:54	WG2299010
1,2-Dichloroethane	U		0.0819	1.00	1	06/05/2024 22:54	WG2299010
1,1-Dichloroethene	U		0.188	1.00	1	06/05/2024 22:54	WG2299010
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/05/2024 22:54	WG2299010
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/05/2024 22:54	WG2299010
1,2-Dichloropropane	U		0.149	1.00	1	06/05/2024 22:54	WG2299010
1,1-Dichloropropene	U		0.142	1.00	1	06/05/2024 22:54	WG2299010
1,3-Dichloropropane	U		0.110	1.00	1	06/05/2024 22:54	WG2299010
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/05/2024 22:54	WG2299010
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/05/2024 22:54	WG2299010
2,2-Dichloropropane	U		0.161	1.00	1	06/05/2024 22:54	WG2299010
Di-isopropyl ether	U		0.105	1.00	1	06/05/2024 22:54	WG2299010
Ethylbenzene	U		0.137	1.00	1	06/05/2024 22:54	WG2299010
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/05/2024 22:54	WG2299010
Isopropylbenzene	U		0.105	1.00	1	06/05/2024 22:54	WG2299010
p-Isopropyltoluene	U		0.120	1.00	1	06/05/2024 22:54	WG2299010
2-Butanone (MEK)	U		1.19	10.0	1	06/05/2024 22:54	WG2299010
Methylene Chloride	U		0.430	5.00	1	06/05/2024 22:54	WG2299010
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/05/2024 22:54	WG2299010
Methyl tert-butyl ether	U		0.101	1.00	1	06/05/2024 22:54	WG2299010
Naphthalene	U		1.00	5.00	1	06/05/2024 22:54	WG2299010
n-Propylbenzene	U		0.0993	1.00	1	06/05/2024 22:54	WG2299010
Styrene	U		0.118	1.00	1	06/05/2024 22:54	WG2299010
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/05/2024 22:54	WG2299010
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/05/2024 22:54	WG2299010
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/05/2024 22:54	WG2299010
Tetrachloroethene	U		0.300	1.00	1	06/05/2024 22:54	WG2299010
Toluene	U		0.278	1.00	1	06/05/2024 22:54	WG2299010
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/05/2024 22:54	WG2299010
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/05/2024 22:54	WG2299010
1,1,1-Trichloroethane	U		0.149	1.00	1	06/05/2024 22:54	WG2299010
1,1,2-Trichloroethane	U		0.158	1.00	1	06/05/2024 22:54	WG2299010
Trichloroethene	U		0.190	1.00	1	06/05/2024 22:54	WG2299010
Trichlorofluoromethane	U		0.160	5.00	1	06/05/2024 22:54	WG2299010
1,2,3-Trichloropropane	U		0.237	2.50	1	06/05/2024 22:54	WG2299010
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/05/2024 22:54	WG2299010
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 22:54	WG2299010
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 22:54	WG2299010
Vinyl chloride	U		0.234	1.00	1	06/05/2024 22:54	WG2299010
Xylenes, Total	U		0.174	3.00	1	06/05/2024 22:54	WG2299010
(S) Toluene-d8	*99.7*			*80.0-120*		*06/05/2024 22:54*	WG2299010
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*06/05/2024 22:54*	WG2299010
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*06/05/2024 22:54*	WG2299010

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	U		33.0	100	1	06/02/2024 13:25	WG2296791
C22-C32 Hydrocarbons	U		33.0	100	1	06/02/2024 13:25	WG2296791
C32-C40 Hydrocarbons	U		33.0	100	1	06/02/2024 13:25	WG2296791
(S) o-Terphenyl	*67.4*			*52.0-156*		*06/02/2024 13:25*	WG2296791

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/05/2024 23:13	WG2299010
Acrolein	U		2.54	50.0	1	06/05/2024 23:13	WG2299010
Acrylonitrile	U		0.671	10.0	1	06/05/2024 23:13	WG2299010
Benzene	U		0.0941	1.00	1	06/05/2024 23:13	WG2299010
Bromobenzene	U		0.118	1.00	1	06/05/2024 23:13	WG2299010
Bromodichloromethane	U		0.136	1.00	1	06/05/2024 23:13	WG2299010
Bromoform	U		0.129	1.00	1	06/05/2024 23:13	WG2299010
Bromomethane	U		0.605	5.00	1	06/05/2024 23:13	WG2299010
n-Butylbenzene	U		0.157	1.00	1	06/05/2024 23:13	WG2299010
sec-Butylbenzene	U		0.125	1.00	1	06/05/2024 23:13	WG2299010
tert-Butylbenzene	U		0.127	1.00	1	06/05/2024 23:13	WG2299010
Carbon tetrachloride	U		0.128	1.00	1	06/05/2024 23:13	WG2299010
Chlorobenzene	U		0.116	1.00	1	06/05/2024 23:13	WG2299010
Chlorodibromomethane	U		0.140	1.00	1	06/05/2024 23:13	WG2299010
Chloroethane	U		0.192	5.00	1	06/05/2024 23:13	WG2299010
Chloroform	U		0.111	5.00	1	06/05/2024 23:13	WG2299010
Chloromethane	U		0.960	2.50	1	06/05/2024 23:13	WG2299010
2-Chlorotoluene	U		0.106	1.00	1	06/05/2024 23:13	WG2299010
4-Chlorotoluene	U		0.114	1.00	1	06/05/2024 23:13	WG2299010
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/05/2024 23:13	WG2299010
1,2-Dibromoethane	U		0.126	1.00	1	06/05/2024 23:13	WG2299010
Dibromomethane	U		0.122	1.00	1	06/05/2024 23:13	WG2299010
1,2-Dichlorobenzene	U		0.107	1.00	1	06/05/2024 23:13	WG2299010
1,3-Dichlorobenzene	U		0.110	1.00	1	06/05/2024 23:13	WG2299010
1,4-Dichlorobenzene	U		0.120	1.00	1	06/05/2024 23:13	WG2299010
Dichlorodifluoromethane	U		0.374	5.00	1	06/05/2024 23:13	WG2299010
1,1-Dichloroethane	U		0.100	1.00	1	06/05/2024 23:13	WG2299010
1,2-Dichloroethane	U		0.0819	1.00	1	06/05/2024 23:13	WG2299010
1,1-Dichloroethene	U		0.188	1.00	1	06/05/2024 23:13	WG2299010
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/05/2024 23:13	WG2299010
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/05/2024 23:13	WG2299010
1,2-Dichloropropane	U		0.149	1.00	1	06/05/2024 23:13	WG2299010
1,1-Dichloropropene	U		0.142	1.00	1	06/05/2024 23:13	WG2299010
1,3-Dichloropropane	U		0.110	1.00	1	06/05/2024 23:13	WG2299010
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/05/2024 23:13	WG2299010
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/05/2024 23:13	WG2299010
2,2-Dichloropropane	U		0.161	1.00	1	06/05/2024 23:13	WG2299010
Di-isopropyl ether	U		0.105	1.00	1	06/05/2024 23:13	WG2299010
Ethylbenzene	U		0.137	1.00	1	06/05/2024 23:13	WG2299010
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/05/2024 23:13	WG2299010
Isopropylbenzene	U		0.105	1.00	1	06/05/2024 23:13	WG2299010
p-Isopropyltoluene	U		0.120	1.00	1	06/05/2024 23:13	WG2299010
2-Butanone (MEK)	U		1.19	10.0	1	06/05/2024 23:13	WG2299010
Methylene Chloride	U		0.430	5.00	1	06/05/2024 23:13	WG2299010
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/05/2024 23:13	WG2299010
Methyl tert-butyl ether	U		0.101	1.00	1	06/05/2024 23:13	WG2299010
Naphthalene	U		1.00	5.00	1	06/05/2024 23:13	WG2299010
n-Propylbenzene	U		0.0993	1.00	1	06/05/2024 23:13	WG2299010
Styrene	U		0.118	1.00	1	06/05/2024 23:13	WG2299010
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/05/2024 23:13	WG2299010
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/05/2024 23:13	WG2299010
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/05/2024 23:13	WG2299010
Tetrachloroethene	U		0.300	1.00	1	06/05/2024 23:13	WG2299010
Toluene	U		0.278	1.00	1	06/05/2024 23:13	WG2299010
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/05/2024 23:13	WG2299010
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/05/2024 23:13	WG2299010

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/05/2024 23:13	WG2299010
1,1,2-Trichloroethane	U		0.158	1.00	1	06/05/2024 23:13	WG2299010
Trichloroethene	U		0.190	1.00	1	06/05/2024 23:13	WG2299010
Trichlorofluoromethane	U		0.160	5.00	1	06/05/2024 23:13	WG2299010
1,2,3-Trichloropropane	U		0.237	2.50	1	06/05/2024 23:13	WG2299010
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/05/2024 23:13	WG2299010
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 23:13	WG2299010
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/05/2024 23:13	WG2299010
Vinyl chloride	U		0.234	1.00	1	06/05/2024 23:13	WG2299010
Xylenes, Total	U		0.174	3.00	1	06/05/2024 23:13	WG2299010
(S) Toluene-d8	*98.9*			*80.0-120*		*06/05/2024 23:13*	WG2299010
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*06/05/2024 23:13*	WG2299010
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*06/05/2024 23:13*	WG2299010

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	06/01/2024 11:02	WG2296616

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0654		0.0212	0.0471	1	06/01/2024 14:55	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.56		0.640	2.35	1	06/08/2024 10:14	WG2297323
Arsenic	8.18		0.609	2.35	1	06/08/2024 10:14	WG2297323
Barium	265		0.100	0.588	1	06/08/2024 10:14	WG2297323
Beryllium	0.525		0.0371	0.235	1	06/08/2024 10:14	WG2297323
Cadmium	0.332	J	0.0554	0.588	1	06/08/2024 10:14	WG2297323
Chromium	66.4		0.156	1.18	1	06/08/2024 10:14	WG2297323
Cobalt	10.0		0.0954	1.18	1	06/08/2024 10:14	WG2297323
Copper	28.0		0.471	2.35	1	06/08/2024 10:14	WG2297323
Lead	12.2		0.245	0.588	1	06/08/2024 10:14	WG2297323
Molybdenum	0.441	J	0.128	0.588	1	06/08/2024 10:14	WG2297323
Nickel	43.9		0.155	2.35	1	06/08/2024 10:14	WG2297323
Selenium	U		0.899	2.35	1	06/08/2024 10:14	WG2297323
Silver	0.513	J	0.149	1.18	1	06/08/2024 10:14	WG2297323
Thallium	U		0.463	2.35	1	06/08/2024 10:14	WG2297323
Vanadium	64.4		0.595	2.35	1	06/08/2024 10:14	WG2297323
Zinc	64.6		0.979	5.88	1	06/08/2024 10:14	WG2297323

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.43	B J T8	1.17	3.53	25	06/16/2024 13:58	WG2306105
(S) a,a,a-Trifluorotoluene(FID)	*116*			*77.0-120*		*06/16/2024 13:58*	WG2306105

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0139	0.0400	1	06/05/2024 23:28	WG2298713
PCB 1221	U		0.0139	0.0400	1	06/05/2024 23:28	WG2298713
PCB 1232	U		0.0139	0.0400	1	06/05/2024 23:28	WG2298713
PCB 1242	U		0.0139	0.0400	1	06/05/2024 23:28	WG2298713
PCB 1248	U		0.00868	0.0200	1	06/05/2024 23:28	WG2298713
PCB 1254	U		0.00868	0.0200	1	06/05/2024 23:28	WG2298713
PCB 1260	U		0.00868	0.0200	1	06/05/2024 23:28	WG2298713
(S) Decachlorobiphenyl	*78.1*			*10.0-135*		*06/05/2024 23:28*	WG2298713
(S) Tetrachloro-m-xylene	*79.6*			*10.0-139*		*06/05/2024 23:28*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0907		0.0127	0.0783	2	06/06/2024 22:14	WG2299140
Acenaphthylene	0.249		0.0110	0.0783	2	06/06/2024 22:14	WG2299140
Anthracene	0.489		0.0140	0.0783	2	06/06/2024 22:14	WG2299140
Benzidine	U		0.147	3.93	2	06/06/2024 22:14	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	2.61		0.0138	0.0783	2	06/06/2024 22:14	WG2299140
Benzo(b)fluoranthene	3.25		0.0146	0.0783	2	06/06/2024 22:14	WG2299140
Benzo(k)fluoranthene	1.10		0.0139	0.0783	2	06/06/2024 22:14	WG2299140
Benzo(g,h,i)perylene	1.34		0.0144	0.0783	2	06/06/2024 22:14	WG2299140
Benzo(a)pyrene	2.86		0.0146	0.0783	2	06/06/2024 22:14	WG2299140
Bis(2-chlorethoxy)methane	U		0.0235	0.783	2	06/06/2024 22:14	WG2299140
Bis(2-chloroethyl)ether	U		0.0259	0.783	2	06/06/2024 22:14	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0339	0.783	2	06/06/2024 22:14	WG2299140
4-Bromophenyl-phenylether	U		0.0275	0.783	2	06/06/2024 22:14	WG2299140
2-Chloronaphthalene	U		0.0138	0.0783	2	06/06/2024 22:14	WG2299140
4-Chlorophenyl-phenylether	U		0.0273	0.783	2	06/06/2024 22:14	WG2299140
Chrysene	3.14		0.0155	0.0783	2	06/06/2024 22:14	WG2299140
Dibenz(a,h)anthracene	0.416		0.0218	0.0783	2	06/06/2024 22:14	WG2299140
1,2-Dichlorobenzene	U		0.0232	0.783	2	06/06/2024 22:14	WG2299140
1,3-Dichlorobenzene	U		0.0238	0.783	2	06/06/2024 22:14	WG2299140
1,4-Dichlorobenzene	U		0.0233	0.783	2	06/06/2024 22:14	WG2299140
3,3-Dichlorobenzidine	U		0.0289	0.783	2	06/06/2024 22:14	WG2299140
2,4-Dinitrotoluene	U		0.0225	0.783	2	06/06/2024 22:14	WG2299140
2,6-Dinitrotoluene	U		0.0256	0.783	2	06/06/2024 22:14	WG2299140
Fluoranthene	5.25		0.0707	0.392	10	06/08/2024 01:43	WG2299140
Fluorene	0.153		0.0127	0.0783	2	06/06/2024 22:14	WG2299140
Hexachlorobenzene	U		0.0278	0.783	2	06/06/2024 22:14	WG2299140
Hexachloro-1,3-butadiene	U		0.0264	0.783	2	06/06/2024 22:14	WG2299140
Hexachlorocyclopentadiene	U		0.0412	0.783	2	06/06/2024 22:14	WG2299140
Hexachloroethane	U		0.0308	0.783	2	06/06/2024 22:14	WG2299140
Indeno(1,2,3-cd)pyrene	1.60		0.0221	0.0783	2	06/06/2024 22:14	WG2299140
Isophorone	U		0.0240	0.783	2	06/06/2024 22:14	WG2299140
Naphthalene	0.0649	J	0.0196	0.0783	2	06/06/2024 22:14	WG2299140
Nitrobenzene	U		0.0273	0.783	2	06/06/2024 22:14	WG2299140
n-Nitrosodimethylamine	U		0.116	0.783	2	06/06/2024 22:14	WG2299140
n-Nitrosodiphenylamine	U		0.0593	0.783	2	06/06/2024 22:14	WG2299140
n-Nitrosodi-n-propylamine	U		0.0261	0.783	2	06/06/2024 22:14	WG2299140
Phenanthrene	2.39		0.0155	0.0783	2	06/06/2024 22:14	WG2299140
Benzylbutyl phthalate	U		0.0245	0.783	2	06/06/2024 22:14	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.0993	0.783	2	06/06/2024 22:14	WG2299140
Di-n-butyl phthalate	U		0.0268	0.783	2	06/06/2024 22:14	WG2299140
Diethyl phthalate	U		0.0259	0.783	2	06/06/2024 22:14	WG2299140
Dimethyl phthalate	U		0.166	0.783	2	06/06/2024 22:14	WG2299140
Di-n-octyl phthalate	U		0.0529	0.783	2	06/06/2024 22:14	WG2299140
Pyrene	4.89		0.0762	0.392	10	06/08/2024 01:43	WG2299140
1,2,4-Trichlorobenzene	U		0.0245	0.783	2	06/06/2024 22:14	WG2299140
4-Chloro-3-methylphenol	U		0.0254	0.783	2	06/06/2024 22:14	WG2299140
2-Chlorophenol	U		0.0259	0.783	2	06/06/2024 22:14	WG2299140
2,4-Dichlorophenol	U		0.0228	0.783	2	06/06/2024 22:14	WG2299140
2,4-Dimethylphenol	U		0.0205	0.783	2	06/06/2024 22:14	WG2299140
4,6-Dinitro-2-methylphenol	U		0.178	0.783	2	06/06/2024 22:14	WG2299140
2,4-Dinitrophenol	U		0.184	0.783	2	06/06/2024 22:14	WG2299140
2-Nitrophenol	U		0.0280	0.783	2	06/06/2024 22:14	WG2299140
4-Nitrophenol	U		0.0245	0.783	2	06/06/2024 22:14	WG2299140
Pentachlorophenol	U		0.0211	0.783	2	06/06/2024 22:14	WG2299140
Phenol	U		0.0315	0.783	2	06/06/2024 22:14	WG2299140
2,4,6-Trichlorophenol	U		0.0252	0.783	2	06/06/2024 22:14	WG2299140
(S) 2-Fluorophenol	*68.3*			*12.0-120*		*06/06/2024 22:14*	WG2299140
(S) 2-Fluorophenol	*72.0*			*12.0-120*		*06/08/2024 01:43*	WG2299140
(S) Phenol-d5	*62.2*			*10.0-120*		*06/08/2024 01:43*	WG2299140
(S) Phenol-d5	*61.0*			*10.0-120*		*06/06/2024 22:14*	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Nitrobenzene-d5	*60.7*			*10.0-122*		*06/08/2024 01:43*	WG2299140
(S) Nitrobenzene-d5	*58.8*			*10.0-122*		*06/06/2024 22:14*	WG2299140
(S) 2-Fluorobiphenyl	*65.5*			*15.0-120*		*06/06/2024 22:14*	WG2299140
(S) 2-Fluorobiphenyl	*75.6*			*15.0-120*		*06/08/2024 01:43*	WG2299140
(S) 2,4,6-Tribromophenol	*65.2*			*10.0-127*		*06/08/2024 01:43*	WG2299140
(S) 2,4,6-Tribromophenol	*69.1*			*10.0-127*		*06/06/2024 22:14*	WG2299140
(S) p-Terphenyl-d14	*74.4*			*10.0-120*		*06/08/2024 01:43*	WG2299140
(S) p-Terphenyl-d14	*65.5*			*10.0-120*		*06/06/2024 22:14*	WG2299140

Sample Narrative:

L1741416-12 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	06/01/2024 11:02	WG2296616

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.132		0.0199	0.0442	1	06/01/2024 14:57	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.34		0.601	2.21	1	06/06/2024 00:23	WG2297407
Arsenic	2.31		0.573	2.21	1	06/06/2024 00:23	WG2297407
Barium	260		0.0942	0.553	1	06/06/2024 00:23	WG2297407
Beryllium	0.672		0.0348	0.221	1	06/06/2024 00:23	WG2297407
Cadmium	0.180	J	0.0521	0.553	1	06/06/2024 00:23	WG2297407
Chromium	192		0.147	1.11	1	06/06/2024 00:23	WG2297407
Cobalt	12.0		0.0897	1.11	1	06/06/2024 00:23	WG2297407
Copper	46.7		0.442	2.21	1	06/06/2024 00:23	WG2297407
Lead	30.8		0.230	0.553	1	06/06/2024 00:23	WG2297407
Molybdenum	2.18		0.120	0.553	1	06/06/2024 00:23	WG2297407
Nickel	64.1		0.146	2.21	1	06/06/2024 00:23	WG2297407
Selenium	U		0.845	2.21	1	06/06/2024 00:23	WG2297407
Silver	U		0.140	1.11	1	06/06/2024 00:23	WG2297407
Thallium	U		2.18	11.1	5	06/06/2024 18:24	WG2297407
Vanadium	126		0.559	2.21	1	06/06/2024 00:23	WG2297407
Zinc	60.8		0.920	5.53	1	06/06/2024 00:23	WG2297407

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.59	B J T8	1.01	3.04	25	06/16/2024 14:20	WG2306105
(S) a,a,a-Trifluorotoluene(FID)	*115*			*77.0-120*		*06/16/2024 14:20*	WG2306105

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0444	0.0608	1	06/04/2024 22:30	WG2298438
Acrylonitrile	U		0.00439	0.0152	1	06/04/2024 22:30	WG2298438
Benzene	0.000809	J	0.000568	0.00122	1	06/04/2024 22:30	WG2298438
Bromobenzene	U		0.00110	0.0152	1	06/04/2024 22:30	WG2298438
Bromodichloromethane	U		0.000882	0.00304	1	06/04/2024 22:30	WG2298438
Bromoform	U		0.00142	0.0304	1	06/04/2024 22:30	WG2298438
Bromomethane	U		0.00240	0.0152	1	06/04/2024 22:30	WG2298438
n-Butylbenzene	U		0.00639	0.0152	1	06/04/2024 22:30	WG2298438
sec-Butylbenzene	U		0.00350	0.0152	1	06/04/2024 22:30	WG2298438
tert-Butylbenzene	U		0.00237	0.00608	1	06/04/2024 22:30	WG2298438
Carbon tetrachloride	U		0.00109	0.00608	1	06/04/2024 22:30	WG2298438
Chlorobenzene	U		0.000256	0.00304	1	06/04/2024 22:30	WG2298438
Chlorodibromomethane	U		0.000745	0.00304	1	06/04/2024 22:30	WG2298438
Chloroethane	U		0.00207	0.00608	1	06/04/2024 22:30	WG2298438
Chloroform	U		0.00125	0.00304	1	06/04/2024 22:30	WG2298438
Chloromethane	U		0.00529	0.0152	1	06/04/2024 22:30	WG2298438
2-Chlorotoluene	U		0.00105	0.00304	1	06/04/2024 22:30	WG2298438
4-Chlorotoluene	U		0.000548	0.00608	1	06/04/2024 22:30	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00475	0.0304	1	06/04/2024 22:30	WG2298438
1,2-Dibromoethane	U		0.000788	0.00304	1	06/04/2024 22:30	WG2298438
Dibromomethane	U		0.000913	0.00608	1	06/04/2024 22:30	WG2298438
1,2-Dichlorobenzene	U		0.000517	0.00608	1	06/04/2024 22:30	WG2298438
1,3-Dichlorobenzene	U		0.000730	0.00608	1	06/04/2024 22:30	WG2298438
1,4-Dichlorobenzene	U		0.000852	0.00608	1	06/04/2024 22:30	WG2298438
Dichlorodifluoromethane	U		0.00196	0.00608	1	06/04/2024 22:30	WG2298438
1,1-Dichloroethane	U		0.000597	0.00304	1	06/04/2024 22:30	WG2298438
1,2-Dichloroethane	U		0.000790	0.00304	1	06/04/2024 22:30	WG2298438
1,1-Dichloroethene	U		0.000737	0.00304	1	06/04/2024 22:30	WG2298438
cis-1,2-Dichloroethene	U		0.000893	0.00304	1	06/04/2024 22:30	WG2298438
trans-1,2-Dichloroethene	U		0.00127	0.00608	1	06/04/2024 22:30	WG2298438
1,2-Dichloropropane	U		0.00173	0.00608	1	06/04/2024 22:30	WG2298438
1,1-Dichloropropene	U		0.000984	0.00304	1	06/04/2024 22:30	WG2298438
1,3-Dichloropropane	U		0.000610	0.00608	1	06/04/2024 22:30	WG2298438
cis-1,3-Dichloropropene	U		0.000921	0.00304	1	06/04/2024 22:30	WG2298438
trans-1,3-Dichloropropene	U		0.00139	0.00608	1	06/04/2024 22:30	WG2298438
2,2-Dichloropropane	U		0.00168	0.00304	1	06/04/2024 22:30	WG2298438
Di-isopropyl ether	U		0.000499	0.00122	1	06/04/2024 22:30	WG2298438
Ethylbenzene	0.00119	J	0.000897	0.00304	1	06/04/2024 22:30	WG2298438
Hexachloro-1,3-butadiene	U		0.00730	0.0304	1	06/04/2024 22:30	WG2298438
Isopropylbenzene	U		0.000517	0.00304	1	06/04/2024 22:30	WG2298438
p-Isopropyltoluene	U		0.00310	0.00608	1	06/04/2024 22:30	WG2298438
2-Butanone (MEK)	U		0.0773	0.122	1	06/04/2024 22:30	WG2298438
Methylene Chloride	U		0.00808	0.0304	1	06/04/2024 22:30	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00277	0.0304	1	06/04/2024 22:30	WG2298438
Methyl tert-butyl ether	U		0.000426	0.00122	1	06/04/2024 22:30	WG2298438
Naphthalene	0.0173		0.00594	0.0152	1	06/04/2024 22:30	WG2298438
n-Propylbenzene	U		0.00116	0.00608	1	06/04/2024 22:30	WG2298438
Styrene	U		0.000279	0.0152	1	06/04/2024 22:30	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00115	0.00304	1	06/04/2024 22:30	WG2298438
1,1,2,2-Tetrachloroethane	U		0.000846	0.00304	1	06/04/2024 22:30	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.000917	0.00304	1	06/04/2024 22:30	WG2298438
Tetrachloroethene	0.00937		0.00109	0.00304	1	06/04/2024 22:30	WG2298438
Toluene	0.00242	J	0.00158	0.00608	1	06/04/2024 22:30	WG2298438
1,2,3-Trichlorobenzene	U		0.00892	0.0152	1	06/04/2024 22:30	WG2298438
1,2,4-Trichlorobenzene	U		0.00535	0.0152	1	06/04/2024 22:30	WG2298438
1,1,1-Trichloroethane	U		0.00112	0.00304	1	06/04/2024 22:30	WG2298438
1,1,2-Trichloroethane	U		0.000726	0.00304	1	06/04/2024 22:30	WG2298438
Trichloroethene	U		0.000711	0.00122	1	06/04/2024 22:30	WG2298438
Trichlorofluoromethane	U		0.00101	0.00304	1	06/04/2024 22:30	WG2298438
1,2,3-Trichloropropane	U		0.00197	0.0152	1	06/04/2024 22:30	WG2298438
1,2,4-Trimethylbenzene	U		0.00192	0.00608	1	06/04/2024 22:30	WG2298438
1,2,3-Trimethylbenzene	U		0.00192	0.00608	1	06/04/2024 22:30	WG2298438
1,3,5-Trimethylbenzene	U		0.00243	0.00608	1	06/04/2024 22:30	WG2298438
Vinyl chloride	U		0.00141	0.00304	1	06/04/2024 22:30	WG2298438
Xylenes, Total	0.00462	J	0.00107	0.00791	1	06/04/2024 22:30	WG2298438
(S) Toluene-d8	*108*			*75.0-131*		*06/04/2024 22:30*	WG2298438
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/04/2024 22:30*	WG2298438
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*06/04/2024 22:30*	WG2298438

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.13		0.810	4.42	1	06/12/2024 19:55	WG2303717
C22-C32 Hydrocarbons	30.2		1.47	4.42	1	06/12/2024 19:55	WG2303717
C32-C40 Hydrocarbons	15.3		1.47	4.42	1	06/12/2024 19:55	WG2303717
(S) o-Terphenyl	*62.0*			*18.0-148*		*06/12/2024 19:55*	WG2303717

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0130	0.0376	1	06/05/2024 23:37	WG2298713
PCB 1221	U		0.0130	0.0376	1	06/05/2024 23:37	WG2298713
PCB 1232	U		0.0130	0.0376	1	06/05/2024 23:37	WG2298713
PCB 1242	U		0.0130	0.0376	1	06/05/2024 23:37	WG2298713
PCB 1248	U		0.00816	0.0188	1	06/05/2024 23:37	WG2298713
PCB 1254	U		0.00816	0.0188	1	06/05/2024 23:37	WG2298713
PCB 1260	U		0.00816	0.0188	1	06/05/2024 23:37	WG2298713
(S) Decachlorobiphenyl	*81.3*			*10.0-135*		*06/05/2024 23:37*	WG2298713
(S) Tetrachloro-m-xylene	*77.7*			*10.0-139*		*06/05/2024 23:37*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0933		0.00596	0.0368	1	06/11/2024 21:34	WG2301376
Acenaphthylene	0.0523		0.00518	0.0368	1	06/11/2024 21:34	WG2301376
Anthracene	0.395		0.00656	0.0368	1	06/11/2024 21:34	WG2301376
Benzidine	U		0.0692	1.85	1	06/11/2024 21:34	WG2301376
Benzo(a)anthracene	1.17		0.00649	0.0368	1	06/11/2024 21:34	WG2301376
Benzo(b)fluoranthene	1.30		0.00687	0.0368	1	06/11/2024 21:34	WG2301376
Benzo(k)fluoranthene	0.494		0.00654	0.0368	1	06/11/2024 21:34	WG2301376
Benzo(g,h,i)perylene	0.555		0.00673	0.0368	1	06/11/2024 21:34	WG2301376
Benzo(a)pyrene	1.15		0.00684	0.0368	1	06/11/2024 21:34	WG2301376
Bis(2-chlorethoxy)methane	U		0.0111	0.368	1	06/11/2024 21:34	WG2301376
Bis(2-chloroethyl)ether	U		0.0122	0.368	1	06/11/2024 21:34	WG2301376
2,2-Oxybis(1-Chloropropane)	U		0.0159	0.368	1	06/11/2024 21:34	WG2301376
4-Bromophenyl-phenylether	U		0.0129	0.368	1	06/11/2024 21:34	WG2301376
2-Chloronaphthalene	U		0.00647	0.0368	1	06/11/2024 21:34	WG2301376
4-Chlorophenyl-phenylether	U		0.0128	0.368	1	06/11/2024 21:34	WG2301376
Chrysene	1.37		0.00732	0.0368	1	06/11/2024 21:34	WG2301376
Dibenz(a,h)anthracene	0.155		0.0102	0.0368	1	06/11/2024 21:34	WG2301376
1,2-Dichlorobenzene	U		0.0109	0.368	1	06/11/2024 21:34	WG2301376
1,3-Dichlorobenzene	U		0.0112	0.368	1	06/11/2024 21:34	WG2301376
1,4-Dichlorobenzene	U		0.0110	0.368	1	06/11/2024 21:34	WG2301376
3,3-Dichlorobenzidine	U		0.0136	0.368	1	06/11/2024 21:34	WG2301376
2,4-Dinitrotoluene	U		0.0106	0.368	1	06/11/2024 21:34	WG2301376
2,6-Dinitrotoluene	U		0.0120	0.368	1	06/11/2024 21:34	WG2301376
Fluoranthene	2.56		0.0333	0.185	5	06/12/2024 13:36	WG2301376
Fluorene	0.311		0.00599	0.0368	1	06/11/2024 21:34	WG2301376
Hexachlorobenzene	U		0.0130	0.368	1	06/11/2024 21:34	WG2301376
Hexachloro-1,3-butadiene	U		0.0124	0.368	1	06/11/2024 21:34	WG2301376
Hexachlorocyclopentadiene	U		0.0193	0.368	1	06/11/2024 21:34	WG2301376
Hexachloroethane	U		0.0145	0.368	1	06/11/2024 21:34	WG2301376
Indeno(1,2,3-cd)pyrene	0.615		0.0104	0.0368	1	06/11/2024 21:34	WG2301376
Isophorone	U		0.0113	0.368	1	06/11/2024 21:34	WG2301376
Naphthalene	0.216		0.00924	0.0368	1	06/11/2024 21:34	WG2301376
Nitrobenzene	U		0.0128	0.368	1	06/11/2024 21:34	WG2301376
n-Nitrosodimethylamine	U		0.0546	0.368	1	06/11/2024 21:34	WG2301376

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.0279	0.368	1	06/11/2024 21:34	WG2301376
n-Nitrosodi-n-propylamine	U		0.0123	0.368	1	06/11/2024 21:34	WG2301376
Phenanthrene	2.55		0.0366	0.185	5	06/12/2024 13:36	WG2301376
Benzylbutyl phthalate	U		0.0115	0.368	1	06/11/2024 21:34	WG2301376
Bis(2-ethylhexyl)phthalate	U		0.0467	0.368	1	06/11/2024 21:34	WG2301376
Di-n-butyl phthalate	U		0.0126	0.368	1	06/11/2024 21:34	WG2301376
Diethyl phthalate	U		0.0122	0.368	1	06/11/2024 21:34	WG2301376
Dimethyl phthalate	U		0.0780	0.368	1	06/11/2024 21:34	WG2301376
Di-n-octyl phthalate	U		0.0249	0.368	1	06/11/2024 21:34	WG2301376
Pyrene	2.29		0.0358	0.185	5	06/12/2024 13:36	WG2301376
1,2,4-Trichlorobenzene	U		0.0115	0.368	1	06/11/2024 21:34	WG2301376
4-Chloro-3-methylphenol	U		0.0119	0.368	1	06/11/2024 21:34	WG2301376
2-Chlorophenol	U		0.0122	0.368	1	06/11/2024 21:34	WG2301376
2,4-Dichlorophenol	U		0.0107	0.368	1	06/11/2024 21:34	WG2301376
2,4-Dimethylphenol	U		0.00962	0.368	1	06/11/2024 21:34	WG2301376
4,6-Dinitro-2-methylphenol	U		0.0835	0.368	1	06/11/2024 21:34	WG2301376
2,4-Dinitrophenol	U		0.0861	0.368	1	06/11/2024 21:34	WG2301376
2-Nitrophenol	U		0.0132	0.368	1	06/11/2024 21:34	WG2301376
4-Nitrophenol	U		0.0115	0.368	1	06/11/2024 21:34	WG2301376
Pentachlorophenol	U		0.00991	0.368	1	06/11/2024 21:34	WG2301376
Phenol	U		0.0148	0.368	1	06/11/2024 21:34	WG2301376
2,4,6-Trichlorophenol	U		0.0118	0.368	1	06/11/2024 21:34	WG2301376
(S) 2-Fluorophenol	*56.1*			*12.0-120*		*06/12/2024 13:36*	WG2301376
(S) 2-Fluorophenol	*58.9*			*12.0-120*		*06/11/2024 21:34*	WG2301376
(S) Phenol-d5	*49.8*			*10.0-120*		*06/12/2024 13:36*	WG2301376
(S) Phenol-d5	*53.3*			*10.0-120*		*06/11/2024 21:34*	WG2301376
(S) Nitrobenzene-d5	*46.3*			*10.0-122*		*06/12/2024 13:36*	WG2301376
(S) Nitrobenzene-d5	*50.9*			*10.0-122*		*06/11/2024 21:34*	WG2301376
(S) 2-Fluorobiphenyl	*58.4*			*15.0-120*		*06/11/2024 21:34*	WG2301376
(S) 2-Fluorobiphenyl	*52.5*			*15.0-120*		*06/12/2024 13:36*	WG2301376
(S) 2,4,6-Tribromophenol	*55.3*			*10.0-127*		*06/12/2024 13:36*	WG2301376
(S) 2,4,6-Tribromophenol	*66.1*			*10.0-127*		*06/11/2024 21:34*	WG2301376
(S) p-Terphenyl-d14	*56.5*			*10.0-120*		*06/12/2024 13:36*	WG2301376
(S) p-Terphenyl-d14	*64.9*			*10.0-120*		*06/11/2024 21:34*	WG2301376

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.4		1	06/01/2024 11:02	WG2296616

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0780		0.0267	0.0594	1	06/01/2024 15:00	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.12		0.807	2.97	1	06/06/2024 00:25	WG2297407
Arsenic	7.07		0.769	2.97	1	06/06/2024 00:25	WG2297407
Barium	258		0.126	0.742	1	06/06/2024 00:25	WG2297407
Beryllium	0.825		0.0468	0.297	1	06/06/2024 00:25	WG2297407
Cadmium	26.4		0.0699	0.742	1	06/06/2024 00:25	WG2297407
Chromium	82.0		0.197	1.48	1	06/06/2024 00:25	WG2297407
Cobalt	16.0		0.120	1.48	1	06/06/2024 00:25	WG2297407
Copper	60.2		0.594	2.97	1	06/06/2024 00:25	WG2297407
Lead	407		0.309	0.742	1	06/06/2024 00:25	WG2297407
Molybdenum	1.01		0.162	0.742	1	06/06/2024 00:25	WG2297407
Nickel	85.4		0.196	2.97	1	06/06/2024 00:25	WG2297407
Selenium	U		1.13	2.97	1	06/06/2024 00:25	WG2297407
Silver	U		0.188	1.48	1	06/06/2024 00:25	WG2297407
Thallium	1.38	J	0.585	2.97	1	06/06/2024 00:25	WG2297407
Vanadium	73.8		0.751	2.97	1	06/06/2024 00:25	WG2297407
Zinc	178		1.23	7.42	1	06/06/2024 00:25	WG2297407

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	80.1		1.83	5.52	29	06/04/2024 02:00	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*06/04/2024 02:00*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0805	0.110	1.16	06/04/2024 22:49	WG2298438
Acrylonitrile	U		0.00797	0.0276	1.16	06/04/2024 22:49	WG2298438
Benzene	0.00232		0.00103	0.00221	1.16	06/04/2024 22:49	WG2298438
Bromobenzene	U		0.00198	0.0276	1.16	06/04/2024 22:49	WG2298438
Bromodichloromethane	U		0.00160	0.00552	1.16	06/04/2024 22:49	WG2298438
Bromoform	U		0.00259	0.0552	1.16	06/04/2024 22:49	WG2298438
Bromomethane	U		0.00436	0.0276	1.16	06/04/2024 22:49	WG2298438
n-Butylbenzene	0.0755		0.0116	0.0276	1.16	06/04/2024 22:49	WG2298438
sec-Butylbenzene	0.0204	J	0.00635	0.0276	1.16	06/04/2024 22:49	WG2298438
tert-Butylbenzene	U		0.00430	0.0110	1.16	06/04/2024 22:49	WG2298438
Carbon tetrachloride	U		0.00198	0.0110	1.16	06/04/2024 22:49	WG2298438
Chlorobenzene	U		0.000464	0.00552	1.16	06/04/2024 22:49	WG2298438
Chlorodibromomethane	U		0.00135	0.00552	1.16	06/04/2024 22:49	WG2298438
Chloroethane	U		0.00375	0.0110	1.16	06/04/2024 22:49	WG2298438
Chloroform	U		0.00226	0.00552	1.16	06/04/2024 22:49	WG2298438
Chloromethane	U		0.00961	0.0276	1.16	06/04/2024 22:49	WG2298438
2-Chlorotoluene	U		0.00190	0.00552	1.16	06/04/2024 22:49	WG2298438
4-Chlorotoluene	U		0.000993	0.0110	1.16	06/04/2024 22:49	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00860	0.0552	1.16	06/04/2024 22:49	WG2298438
1,2-Dibromoethane	U		0.00143	0.00552	1.16	06/04/2024 22:49	WG2298438
Dibromomethane	U		0.00166	0.0110	1.16	06/04/2024 22:49	WG2298438
1,2-Dichlorobenzene	0.00575	J	0.000938	0.0110	1.16	06/04/2024 22:49	WG2298438
1,3-Dichlorobenzene	U		0.00132	0.0110	1.16	06/04/2024 22:49	WG2298438
1,4-Dichlorobenzene	U		0.00154	0.0110	1.16	06/04/2024 22:49	WG2298438
Dichlorodifluoromethane	U		0.00356	0.0110	1.16	06/04/2024 22:49	WG2298438
1,1-Dichloroethane	U		0.00108	0.00552	1.16	06/04/2024 22:49	WG2298438
1,2-Dichloroethane	U		0.00143	0.00552	1.16	06/04/2024 22:49	WG2298438
1,1-Dichloroethene	U		0.00134	0.00552	1.16	06/04/2024 22:49	WG2298438
cis-1,2-Dichloroethene	U		0.00162	0.00552	1.16	06/04/2024 22:49	WG2298438
trans-1,2-Dichloroethene	U		0.00230	0.0110	1.16	06/04/2024 22:49	WG2298438
1,2-Dichloropropane	U		0.00314	0.0110	1.16	06/04/2024 22:49	WG2298438
1,1-Dichloropropene	U		0.00178	0.00552	1.16	06/04/2024 22:49	WG2298438
1,3-Dichloropropane	U		0.00111	0.0110	1.16	06/04/2024 22:49	WG2298438
cis-1,3-Dichloropropene	U		0.00167	0.00552	1.16	06/04/2024 22:49	WG2298438
trans-1,3-Dichloropropene	U		0.00251	0.0110	1.16	06/04/2024 22:49	WG2298438
2,2-Dichloropropane	U		0.00304	0.00552	1.16	06/04/2024 22:49	WG2298438
Di-isopropyl ether	U		0.000906	0.00221	1.16	06/04/2024 22:49	WG2298438
Ethylbenzene	0.00459	J	0.00163	0.00552	1.16	06/04/2024 22:49	WG2298438
Hexachloro-1,3-butadiene	U		0.0132	0.0552	1.16	06/04/2024 22:49	WG2298438
Isopropylbenzene	0.0128		0.000938	0.00552	1.16	06/04/2024 22:49	WG2298438
p-Isopropyltoluene	0.0182		0.00563	0.0110	1.16	06/04/2024 22:49	WG2298438
2-Butanone (MEK)	U		0.140	0.221	1.16	06/04/2024 22:49	WG2298438
Methylene Chloride	U		0.0146	0.0552	1.16	06/04/2024 22:49	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00502	0.0552	1.16	06/04/2024 22:49	WG2298438
Methyl tert-butyl ether	0.00441		0.000772	0.00221	1.16	06/04/2024 22:49	WG2298438
Naphthalene	0.0293		0.0108	0.0276	1.16	06/04/2024 22:49	WG2298438
n-Propylbenzene	0.0109	J	0.00209	0.0110	1.16	06/04/2024 22:49	WG2298438
Styrene	U		0.000506	0.0276	1.16	06/04/2024 22:49	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00209	0.00552	1.16	06/04/2024 22:49	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00153	0.00552	1.16	06/04/2024 22:49	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00166	0.00552	1.16	06/04/2024 22:49	WG2298438
Tetrachloroethene	0.0628		0.00198	0.00552	1.16	06/04/2024 22:49	WG2298438
Toluene	0.00491	J	0.00287	0.0110	1.16	06/04/2024 22:49	WG2298438
1,2,3-Trichlorobenzene	U		0.0162	0.0276	1.16	06/04/2024 22:49	WG2298438
1,2,4-Trichlorobenzene	U		0.00970	0.0276	1.16	06/04/2024 22:49	WG2298438
1,1,1-Trichloroethane	U		0.00204	0.00552	1.16	06/04/2024 22:49	WG2298438
1,1,2-Trichloroethane	U		0.00132	0.00552	1.16	06/04/2024 22:49	WG2298438
Trichloroethene	0.00656		0.00129	0.00221	1.16	06/04/2024 22:49	WG2298438
Trichlorofluoromethane	U		0.00182	0.00552	1.16	06/04/2024 22:49	WG2298438
1,2,3-Trichloropropane	U		0.00358	0.0276	1.16	06/04/2024 22:49	WG2298438
1,2,4-Trimethylbenzene	0.0272		0.00348	0.0110	1.16	06/04/2024 22:49	WG2298438
1,2,3-Trimethylbenzene	0.0445		0.00348	0.0110	1.16	06/04/2024 22:49	WG2298438
1,3,5-Trimethylbenzene	0.0142		0.00441	0.0110	1.16	06/04/2024 22:49	WG2298438
Vinyl chloride	U		0.00257	0.00552	1.16	06/04/2024 22:49	WG2298438
Xylenes, Total	0.0194		0.00194	0.0143	1.16	06/04/2024 22:49	WG2298438
(S) Toluene-d8	*106*			*75.0-131*		*06/04/2024 22:49*	WG2298438
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*06/04/2024 22:49*	WG2298438
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*06/04/2024 22:49*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1430		54.5	297	50	06/06/2024 23:18	WG2299541
C22-C32 Hydrocarbons	6350		98.7	297	50	06/06/2024 23:18	WG2299541
C32-C40 Hydrocarbons	2430		98.7	297	50	06/06/2024 23:18	WG2299541
(S) o-Terphenyl	*155*	J7		*18.0-148*		*06/06/2024 23:18*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0800	0.494	10	06/11/2024 05:22	WG2301591
Acenaphthylene	U		0.0696	0.494	10	06/11/2024 05:22	WG2301591
Anthracene	U		0.0880	0.494	10	06/11/2024 05:22	WG2301591
Benzidine	U		0.929	24.8	10	06/11/2024 05:22	WG2301591
Benzo(a)anthracene	U		0.0871	0.494	10	06/11/2024 05:22	WG2301591
Benzo(b)fluoranthene	U		0.0922	0.494	10	06/11/2024 05:22	WG2301591
Benzo(k)fluoranthene	U		0.0879	0.494	10	06/11/2024 05:22	WG2301591
Benzo(g,h,i)perylene	U		0.0904	0.494	10	06/11/2024 05:22	WG2301591
Benzo(a)pyrene	U		0.0919	0.494	10	06/11/2024 05:22	WG2301591
Bis(2-chlorethoxy)methane	U		0.148	4.94	10	06/11/2024 05:22	WG2301591
Bis(2-chloroethyl)ether	U		0.163	4.94	10	06/11/2024 05:22	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.214	4.94	10	06/11/2024 05:22	WG2301591
4-Bromophenyl-phenylether	U		0.174	4.94	10	06/11/2024 05:22	WG2301591
2-Chloronaphthalene	U		0.0868	0.494	10	06/11/2024 05:22	WG2301591
4-Chlorophenyl-phenylether	U		0.172	4.94	10	06/11/2024 05:22	WG2301591
Chrysene	U		0.0983	0.494	10	06/11/2024 05:22	WG2301591
Dibenz(a,h)anthracene	U		0.137	0.494	10	06/11/2024 05:22	WG2301591
1,2-Dichlorobenzene	U		0.146	4.94	10	06/11/2024 05:22	WG2301591
1,3-Dichlorobenzene	U		0.150	4.94	10	06/11/2024 05:22	WG2301591
1,4-Dichlorobenzene	U		0.147	4.94	10	06/11/2024 05:22	WG2301591
3,3-Dichlorobenzidine	U		0.183	4.94	10	06/11/2024 05:22	WG2301591
2,4-Dinitrotoluene	U		0.142	4.94	10	06/11/2024 05:22	WG2301591
2,6-Dinitrotoluene	U		0.162	4.94	10	06/11/2024 05:22	WG2301591
Fluoranthene	0.101	J	0.0892	0.494	10	06/11/2024 05:22	WG2301591
Fluorene	0.0870	J	0.0804	0.494	10	06/11/2024 05:22	WG2301591
Hexachlorobenzene	U		0.175	4.94	10	06/11/2024 05:22	WG2301591
Hexachloro-1,3-butadiene	U		0.166	4.94	10	06/11/2024 05:22	WG2301591
Hexachlorocyclopentadiene	U		0.260	4.94	10	06/11/2024 05:22	WG2301591
Hexachloroethane	U		0.194	4.94	10	06/11/2024 05:22	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.140	0.494	10	06/11/2024 05:22	WG2301591
Isophorone	U		0.151	4.94	10	06/11/2024 05:22	WG2301591
Naphthalene	U		0.124	0.494	10	06/11/2024 05:22	WG2301591
Nitrobenzene	U		0.172	4.94	10	06/11/2024 05:22	WG2301591
n-Nitrosodimethylamine	U		0.733	4.94	10	06/11/2024 05:22	WG2301591
n-Nitrosodiphenylamine	U		0.374	4.94	10	06/11/2024 05:22	WG2301591
n-Nitrosodi-n-propylamine	U		0.165	4.94	10	06/11/2024 05:22	WG2301591
Phenanthrene	0.130	J	0.0981	0.494	10	06/11/2024 05:22	WG2301591
Benzylbutyl phthalate	U		0.154	4.94	10	06/11/2024 05:22	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.626	4.94	10	06/11/2024 05:22	WG2301591
Di-n-butyl phthalate	U		0.169	4.94	10	06/11/2024 05:22	WG2301591
Diethyl phthalate	U		0.163	4.94	10	06/11/2024 05:22	WG2301591
Dimethyl phthalate	U		1.05	4.94	10	06/11/2024 05:22	WG2301591
Di-n-octyl phthalate	U		0.334	4.94	10	06/11/2024 05:22	WG2301591
Pyrene	0.211	J	0.0962	0.494	10	06/11/2024 05:22	WG2301591
1,2,4-Trichlorobenzene	U		0.154	4.94	10	06/11/2024 05:22	WG2301591
4-Chloro-3-methylphenol	U		0.160	4.94	10	06/11/2024 05:22	WG2301591
2-Chlorophenol	U		0.163	4.94	10	06/11/2024 05:22	WG2301591
2,4-Dichlorophenol	U		0.144	4.94	10	06/11/2024 05:22	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.129	4.94	10	06/11/2024 05:22	WG2301591
4,6-Dinitro-2-methylphenol	U		1.12	4.94	10	06/11/2024 05:22	WG2301591
2,4-Dinitrophenol	U		1.16	4.94	10	06/11/2024 05:22	WG2301591
2-Nitrophenol	U		0.177	4.94	10	06/11/2024 05:22	WG2301591
4-Nitrophenol	U		0.154	4.94	10	06/11/2024 05:22	WG2301591
Pentachlorophenol	U		0.133	4.94	10	06/11/2024 05:22	WG2301591
Phenol	U		0.199	4.94	10	06/11/2024 05:22	WG2301591
2,4,6-Trichlorophenol	U		0.159	4.94	10	06/11/2024 05:22	WG2301591
(S) 2-Fluorophenol	*55.4*			*12.0-120*		*06/11/2024 05:22*	WG2301591
(S) Phenol-d5	*50.5*			*10.0-120*		*06/11/2024 05:22*	WG2301591
(S) Nitrobenzene-d5	*42.0*			*10.0-122*		*06/11/2024 05:22*	WG2301591
(S) 2-Fluorobiphenyl	*58.3*			*15.0-120*		*06/11/2024 05:22*	WG2301591
(S) 2,4,6-Tribromophenol	*38.0*			*10.0-127*		*06/11/2024 05:22*	WG2301591
(S) p-Terphenyl-d14	*51.4*			*10.0-120*		*06/11/2024 05:22*	WG2301591

Sample Narrative:

L1741416-14 WG2301591: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.4		1	06/13/2024 07:19	WG2303727

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	114		0.287	0.691	1	07/01/2024 20:13	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	45.6	T8	1.48	4.45	25	06/16/2024 14:41	WG2306105
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*06/16/2024 14:41*	WG2306105

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	341	V	20.3	110	20	06/12/2024 22:33	WG2303717
C22-C32 Hydrocarbons	1570	V	36.7	110	20	06/12/2024 22:33	WG2303717
C32-C40 Hydrocarbons	623		36.7	110	20	06/12/2024 22:33	WG2303717
(S) o-Terphenyl	*93.1*	J7		*18.0-148*		*06/12/2024 22:33*	WG2303717

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	06/01/2024 10:49	WG2296617

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	62.2		1.37	4.14	25	06/04/2024 02:20	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*06/04/2024 02:20*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0604	0.0828	1	06/04/2024 23:12	WG2298438
Acrylonitrile	U		0.00598	0.0207	1	06/04/2024 23:12	WG2298438
Benzene	U		0.000773	0.00166	1	06/04/2024 23:12	WG2298438
Bromobenzene	U		0.00149	0.0207	1	06/04/2024 23:12	WG2298438
Bromodichloromethane	U		0.00120	0.00414	1	06/04/2024 23:12	WG2298438
Bromoform	U		0.00194	0.0414	1	06/04/2024 23:12	WG2298438
Bromomethane	U		0.00326	0.0207	1	06/04/2024 23:12	WG2298438
n-Butylbenzene	0.230		0.00869	0.0207	1	06/04/2024 23:12	WG2298438
sec-Butylbenzene	0.127		0.00477	0.0207	1	06/04/2024 23:12	WG2298438
tert-Butylbenzene	0.00732	J	0.00323	0.00828	1	06/04/2024 23:12	WG2298438
Carbon tetrachloride	U		0.00149	0.00828	1	06/04/2024 23:12	WG2298438
Chlorobenzene	U		0.000348	0.00414	1	06/04/2024 23:12	WG2298438
Chlorodibromomethane	U		0.00101	0.00414	1	06/04/2024 23:12	WG2298438
Chloroethane	U		0.00281	0.00828	1	06/04/2024 23:12	WG2298438
Chloroform	U		0.00171	0.00414	1	06/04/2024 23:12	WG2298438
Chloromethane	U		0.00720	0.0207	1	06/04/2024 23:12	WG2298438
2-Chlorotoluene	0.0416		0.00143	0.00414	1	06/04/2024 23:12	WG2298438
4-Chlorotoluene	U		0.000745	0.00828	1	06/04/2024 23:12	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00646	0.0414	1	06/04/2024 23:12	WG2298438
1,2-Dibromoethane	U		0.00107	0.00414	1	06/04/2024 23:12	WG2298438
Dibromomethane	U		0.00124	0.00828	1	06/04/2024 23:12	WG2298438
1,2-Dichlorobenzene	0.0771		0.000704	0.00828	1	06/04/2024 23:12	WG2298438
1,3-Dichlorobenzene	0.00702	J	0.000993	0.00828	1	06/04/2024 23:12	WG2298438
1,4-Dichlorobenzene	0.0202		0.00116	0.00828	1	06/04/2024 23:12	WG2298438
Dichlorodifluoromethane	U		0.00267	0.00828	1	06/04/2024 23:12	WG2298438
1,1-Dichloroethane	U		0.000813	0.00414	1	06/04/2024 23:12	WG2298438
1,2-Dichloroethane	U		0.00107	0.00414	1	06/04/2024 23:12	WG2298438
1,1-Dichloroethene	U		0.00100	0.00414	1	06/04/2024 23:12	WG2298438
cis-1,2-Dichloroethene	U		0.00122	0.00414	1	06/04/2024 23:12	WG2298438
trans-1,2-Dichloroethene	U		0.00172	0.00828	1	06/04/2024 23:12	WG2298438
1,2-Dichloropropane	U		0.00235	0.00828	1	06/04/2024 23:12	WG2298438
1,1-Dichloropropene	U		0.00134	0.00414	1	06/04/2024 23:12	WG2298438
1,3-Dichloropropane	U		0.000829	0.00828	1	06/04/2024 23:12	WG2298438
cis-1,3-Dichloropropene	U		0.00125	0.00414	1	06/04/2024 23:12	WG2298438
trans-1,3-Dichloropropene	U		0.00189	0.00828	1	06/04/2024 23:12	WG2298438
2,2-Dichloropropane	U		0.00228	0.00414	1	06/04/2024 23:12	WG2298438
Di-isopropyl ether	U		0.000679	0.00166	1	06/04/2024 23:12	WG2298438
Ethylbenzene	0.00220	J	0.00122	0.00414	1	06/04/2024 23:12	WG2298438
Hexachloro-1,3-butadiene	U		0.00993	0.0414	1	06/04/2024 23:12	WG2298438
Isopropylbenzene	0.0566		0.000704	0.00414	1	06/04/2024 23:12	WG2298438
p-Isopropyltoluene	0.00609	J	0.00422	0.00828	1	06/04/2024 23:12	WG2298438
2-Butanone (MEK)	U		0.105	0.166	1	06/04/2024 23:12	WG2298438
Methylene Chloride	U		0.0110	0.0414	1	06/04/2024 23:12	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00377	0.0414	1	06/04/2024 23:12	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000579	0.00166	1	06/04/2024 23:12	WG2298438
Naphthalene	U		0.00808	0.0207	1	06/04/2024 23:12	WG2298438
n-Propylbenzene	0.0444		0.00157	0.00828	1	06/04/2024 23:12	WG2298438
Styrene	U		0.000379	0.0207	1	06/04/2024 23:12	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00157	0.00414	1	06/04/2024 23:12	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00115	0.00414	1	06/04/2024 23:12	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00125	0.00414	1	06/04/2024 23:12	WG2298438
Tetrachloroethene	U		0.00148	0.00414	1	06/04/2024 23:12	WG2298438
Toluene	U		0.00215	0.00828	1	06/04/2024 23:12	WG2298438
1,2,3-Trichlorobenzene	U		0.0121	0.0207	1	06/04/2024 23:12	WG2298438
1,2,4-Trichlorobenzene	U		0.00728	0.0207	1	06/04/2024 23:12	WG2298438
1,1,1-Trichloroethane	U		0.00153	0.00414	1	06/04/2024 23:12	WG2298438
1,1,2-Trichloroethane	U		0.000988	0.00414	1	06/04/2024 23:12	WG2298438
Trichloroethene	U		0.000967	0.00166	1	06/04/2024 23:12	WG2298438
Trichlorofluoromethane	U		0.00137	0.00414	1	06/04/2024 23:12	WG2298438
1,2,3-Trichloropropane	U		0.00268	0.0207	1	06/04/2024 23:12	WG2298438
1,2,4-Trimethylbenzene	0.00533	J	0.00262	0.00828	1	06/04/2024 23:12	WG2298438
1,2,3-Trimethylbenzene	0.00328	J	0.00262	0.00828	1	06/04/2024 23:12	WG2298438
1,3,5-Trimethylbenzene	U		0.00331	0.00828	1	06/04/2024 23:12	WG2298438
Vinyl chloride	U		0.00192	0.00414	1	06/04/2024 23:12	WG2298438
Xylenes, Total	0.0245		0.00146	0.0108	1	06/04/2024 23:12	WG2298438
(S) Toluene-d8	*108*			*75.0-131*		*06/04/2024 23:12*	WG2298438
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*06/04/2024 23:12*	WG2298438
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*06/04/2024 23:12*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	840		19.2	104	20	06/06/2024 21:55	WG2299541
C22-C32 Hydrocarbons	4040		34.7	104	20	06/06/2024 21:55	WG2299541
C32-C40 Hydrocarbons	1590		34.7	104	20	06/06/2024 21:55	WG2299541
(S) o-Terphenyl	*125*	J7		*18.0-148*		*06/06/2024 21:55*	WG2299541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.0		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0589		0.0225	0.0500	1	06/01/2024 15:02	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.02	J	0.680	2.50	1	06/05/2024 00:06	WG2297097
Arsenic	U		0.648	2.50	1	06/05/2024 00:06	WG2297097
Barium	179		0.107	0.625	1	06/05/2024 00:06	WG2297097
Beryllium	0.337	B	0.0394	0.250	1	06/05/2024 00:06	WG2297097
Cadmium	0.0695	J	0.0589	0.625	1	06/05/2024 00:06	WG2297097
Chromium	40.9		0.166	1.25	1	06/05/2024 00:06	WG2297097
Cobalt	13.2		0.101	1.25	1	06/05/2024 00:06	WG2297097
Copper	29.7		0.500	2.50	1	06/05/2024 00:06	WG2297097
Lead	46.5		0.260	0.625	1	06/05/2024 00:06	WG2297097
Molybdenum	0.687		0.136	0.625	1	06/05/2024 00:06	WG2297097
Nickel	56.3		0.165	2.50	1	06/05/2024 00:06	WG2297097
Selenium	2.35	J	0.955	2.50	1	06/05/2024 00:06	WG2297097
Silver	0.416	J	0.159	1.25	1	06/05/2024 00:06	WG2297097
Thallium	U		0.493	2.50	1	06/05/2024 00:06	WG2297097
Vanadium	45.8		0.633	2.50	1	06/05/2024 00:06	WG2297097
Zinc	82.3		1.04	6.25	1	06/05/2024 00:06	WG2297097

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.30	B J T8	1.40	4.22	28.7	06/18/2024 18:51	WG2307455
(S) a,a,a-Trifluorotoluene(FID)	*117*			*77.0-120*		*06/18/2024 18:51*	WG2307455

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0148	0.0425	1	06/10/2024 12:20	WG2300315
PCB 1221	U		0.0148	0.0425	1	06/10/2024 12:20	WG2300315
PCB 1232	U		0.0148	0.0425	1	06/10/2024 12:20	WG2300315
PCB 1242	U		0.0148	0.0425	1	06/10/2024 12:20	WG2300315
PCB 1248	U		0.00923	0.0213	1	06/10/2024 12:20	WG2300315
PCB 1254	U		0.00923	0.0213	1	06/10/2024 12:20	WG2300315
PCB 1260	0.143		0.00923	0.0213	1	06/10/2024 12:20	WG2300315
(S) Decachlorobiphenyl	*34.3*			*10.0-135*		*06/10/2024 12:20*	WG2300315
(S) Tetrachloro-m-xylene	*28.8*			*10.0-139*		*06/10/2024 12:20*	WG2300315

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0184	J	0.0135	0.0833	2	06/06/2024 22:34	WG2299140
Acenaphthylene	U		0.0117	0.0833	2	06/06/2024 22:34	WG2299140
Anthracene	0.0180	J	0.0149	0.0833	2	06/06/2024 22:34	WG2299140
Benzidine	U		0.156	4.18	2	06/06/2024 22:34	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.333		0.0146	0.0833	2	06/06/2024 22:34	WG2299140
Benzo(b)fluoranthene	0.631		0.0155	0.0833	2	06/06/2024 22:34	WG2299140
Benzo(k)fluoranthene	0.208		0.0148	0.0833	2	06/06/2024 22:34	WG2299140
Benzo(g,h,i)perylene	0.316		0.0153	0.0833	2	06/06/2024 22:34	WG2299140
Benzo(a)pyrene	0.446		0.0155	0.0833	2	06/06/2024 22:34	WG2299140
Bis(2-chlorethoxy)methane	U		0.0250	0.833	2	06/06/2024 22:34	WG2299140
Bis(2-chloroethyl)ether	U		0.0275	0.833	2	06/06/2024 22:34	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0360	0.833	2	06/06/2024 22:34	WG2299140
4-Bromophenyl-phenylether	U		0.0293	0.833	2	06/06/2024 22:34	WG2299140
2-Chloronaphthalene	U		0.0146	0.0833	2	06/06/2024 22:34	WG2299140
4-Chlorophenyl-phenylether	U		0.0290	0.833	2	06/06/2024 22:34	WG2299140
Chrysene	0.573		0.0165	0.0833	2	06/06/2024 22:34	WG2299140
Dibenz(a,h)anthracene	0.0978		0.0231	0.0833	2	06/06/2024 22:34	WG2299140
1,2-Dichlorobenzene	U		0.0246	0.833	2	06/06/2024 22:34	WG2299140
1,3-Dichlorobenzene	U		0.0253	0.833	2	06/06/2024 22:34	WG2299140
1,4-Dichlorobenzene	U		0.0248	0.833	2	06/06/2024 22:34	WG2299140
3,3-Dichlorobenzidine	U		0.0308	0.833	2	06/06/2024 22:34	WG2299140
2,4-Dinitrotoluene	U		0.0239	0.833	2	06/06/2024 22:34	WG2299140
2,6-Dinitrotoluene	U		0.0273	0.833	2	06/06/2024 22:34	WG2299140
Fluoranthene	0.391		0.0150	0.0833	2	06/06/2024 22:34	WG2299140
Fluorene	U		0.0135	0.0833	2	06/06/2024 22:34	WG2299140
Hexachlorobenzene	U		0.0295	0.833	2	06/06/2024 22:34	WG2299140
Hexachloro-1,3-butadiene	U		0.0280	0.833	2	06/06/2024 22:34	WG2299140
Hexachlorocyclopentadiene	U		0.0438	0.833	2	06/06/2024 22:34	WG2299140
Hexachloroethane	U		0.0328	0.833	2	06/06/2024 22:34	WG2299140
Indeno(1,2,3-cd)pyrene	0.309		0.0235	0.0833	2	06/06/2024 22:34	WG2299140
Isophorone	U		0.0255	0.833	2	06/06/2024 22:34	WG2299140
Naphthalene	U		0.0209	0.0833	2	06/06/2024 22:34	WG2299140
Nitrobenzene	U		0.0290	0.833	2	06/06/2024 22:34	WG2299140
n-Nitrosodimethylamine	U		0.124	0.833	2	06/06/2024 22:34	WG2299140
n-Nitrosodiphenylamine	U		0.0630	0.833	2	06/06/2024 22:34	WG2299140
n-Nitrosodi-n-propylamine	U		0.0278	0.833	2	06/06/2024 22:34	WG2299140
Phenanthrene	0.109		0.0165	0.0833	2	06/06/2024 22:34	WG2299140
Benzylbutyl phthalate	U		0.0260	0.833	2	06/06/2024 22:34	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.106	0.833	2	06/06/2024 22:34	WG2299140
Di-n-butyl phthalate	U		0.0285	0.833	2	06/06/2024 22:34	WG2299140
Diethyl phthalate	U		0.0275	0.833	2	06/06/2024 22:34	WG2299140
Dimethyl phthalate	U		0.176	0.833	2	06/06/2024 22:34	WG2299140
Di-n-octyl phthalate	U		0.0563	0.833	2	06/06/2024 22:34	WG2299140
Pyrene	0.440		0.0163	0.0833	2	06/06/2024 22:34	WG2299140
1,2,4-Trichlorobenzene	U		0.0260	0.833	2	06/06/2024 22:34	WG2299140
4-Chloro-3-methylphenol	U		0.0270	0.833	2	06/06/2024 22:34	WG2299140
2-Chlorophenol	U		0.0275	0.833	2	06/06/2024 22:34	WG2299140
2,4-Dichlorophenol	U		0.0243	0.833	2	06/06/2024 22:34	WG2299140
2,4-Dimethylphenol	U		0.0218	0.833	2	06/06/2024 22:34	WG2299140
4,6-Dinitro-2-methylphenol	U		0.189	0.833	2	06/06/2024 22:34	WG2299140
2,4-Dinitrophenol	U		0.195	0.833	2	06/06/2024 22:34	WG2299140
2-Nitrophenol	U		0.0298	0.833	2	06/06/2024 22:34	WG2299140
4-Nitrophenol	U		0.0260	0.833	2	06/06/2024 22:34	WG2299140
Pentachlorophenol	U		0.0224	0.833	2	06/06/2024 22:34	WG2299140
Phenol	U		0.0335	0.833	2	06/06/2024 22:34	WG2299140
2,4,6-Trichlorophenol	U		0.0268	0.833	2	06/06/2024 22:34	WG2299140
(S) 2-Fluorophenol	*75.3*			*12.0-120*		*06/06/2024 22:34*	WG2299140
(S) Phenol-d5	*64.9*			*10.0-120*		*06/06/2024 22:34*	WG2299140
(S) Nitrobenzene-d5	*62.6*			*10.0-122*		*06/06/2024 22:34*	WG2299140
(S) 2-Fluorobiphenyl	*67.2*			*15.0-120*		*06/06/2024 22:34*	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*73.2*			*10.0-127*		*06/06/2024 22:34*	WG2299140
(S) p-Terphenyl-d14	*69.0*			*10.0-120*		*06/06/2024 22:34*	WG2299140

Sample Narrative:

L1741416-17 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.5		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0238	0.0530	1	06/01/2024 13:42	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.49		0.721	2.65	1	06/06/2024 00:27	WG2297407
Arsenic	4.57		0.686	2.65	1	06/06/2024 00:27	WG2297407
Barium	291		0.113	0.662	1	06/06/2024 00:27	WG2297407
Beryllium	0.794		0.0417	0.265	1	06/06/2024 00:27	WG2297407
Cadmium	0.851		0.0624	0.662	1	06/06/2024 00:27	WG2297407
Chromium	83.8		0.176	1.32	1	06/06/2024 00:27	WG2297407
Cobalt	25.3		0.107	1.32	1	06/06/2024 00:27	WG2297407
Copper	40.3		0.530	2.65	1	06/06/2024 00:27	WG2297407
Lead	30.7		0.276	0.662	1	06/06/2024 00:27	WG2297407
Molybdenum	0.524	J	0.144	0.662	1	06/06/2024 00:27	WG2297407
Nickel	71.8		0.175	2.65	1	06/06/2024 00:27	WG2297407
Selenium	U		1.01	2.65	1	06/06/2024 00:27	WG2297407
Silver	U		0.168	1.32	1	06/06/2024 00:27	WG2297407
Thallium	2.01	J	0.522	2.65	1	06/06/2024 00:27	WG2297407
Vanadium	87.3		0.670	2.65	1	06/06/2024 00:27	WG2297407
Zinc	89.0		1.10	6.62	1	06/06/2024 00:27	WG2297407

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.58	B T8	1.41	4.26	25	06/16/2024 15:02	WG2306105
(S) a,a,a-Trifluorotoluene(FID)	*114*			*77.0-120*		*06/16/2024 15:02*	WG2306105

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0622	0.0852	1	06/04/2024 23:32	WG2298438
Acrylonitrile	U		0.00615	0.0213	1	06/04/2024 23:32	WG2298438
Benzene	0.0100		0.000796	0.00170	1	06/04/2024 23:32	WG2298438
Bromobenzene	U		0.00153	0.0213	1	06/04/2024 23:32	WG2298438
Bromodichloromethane	U		0.00124	0.00426	1	06/04/2024 23:32	WG2298438
Bromoform	U		0.00199	0.0426	1	06/04/2024 23:32	WG2298438
Bromomethane	U		0.00336	0.0213	1	06/04/2024 23:32	WG2298438
n-Butylbenzene	0.0141	J	0.00895	0.0213	1	06/04/2024 23:32	WG2298438
sec-Butylbenzene	U		0.00491	0.0213	1	06/04/2024 23:32	WG2298438
tert-Butylbenzene	U		0.00332	0.00852	1	06/04/2024 23:32	WG2298438
Carbon tetrachloride	U		0.00153	0.00852	1	06/04/2024 23:32	WG2298438
Chlorobenzene	U		0.000358	0.00426	1	06/04/2024 23:32	WG2298438
Chlorodibromomethane	U		0.00104	0.00426	1	06/04/2024 23:32	WG2298438
Chloroethane	U		0.00290	0.00852	1	06/04/2024 23:32	WG2298438
Chloroform	U		0.00176	0.00426	1	06/04/2024 23:32	WG2298438
Chloromethane	U		0.00741	0.0213	1	06/04/2024 23:32	WG2298438
2-Chlorotoluene	U		0.00147	0.00426	1	06/04/2024 23:32	WG2298438
4-Chlorotoluene	U		0.000767	0.00852	1	06/04/2024 23:32	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00665	0.0426	1	06/04/2024 23:32	WG2298438
1,2-Dibromoethane	U		0.00110	0.00426	1	06/04/2024 23:32	WG2298438
Dibromomethane	U		0.00128	0.00852	1	06/04/2024 23:32	WG2298438
1,2-Dichlorobenzene	U		0.000724	0.00852	1	06/04/2024 23:32	WG2298438
1,3-Dichlorobenzene	U		0.00102	0.00852	1	06/04/2024 23:32	WG2298438
1,4-Dichlorobenzene	U		0.00119	0.00852	1	06/04/2024 23:32	WG2298438
Dichlorodifluoromethane	U		0.00274	0.00852	1	06/04/2024 23:32	WG2298438
1,1-Dichloroethane	U		0.000837	0.00426	1	06/04/2024 23:32	WG2298438
1,2-Dichloroethane	U		0.00111	0.00426	1	06/04/2024 23:32	WG2298438
1,1-Dichloroethene	U		0.00103	0.00426	1	06/04/2024 23:32	WG2298438
cis-1,2-Dichloroethene	0.00337	J	0.00125	0.00426	1	06/04/2024 23:32	WG2298438
trans-1,2-Dichloroethene	U		0.00177	0.00852	1	06/04/2024 23:32	WG2298438
1,2-Dichloropropane	U		0.00242	0.00852	1	06/04/2024 23:32	WG2298438
1,1-Dichloropropene	U		0.00138	0.00426	1	06/04/2024 23:32	WG2298438
1,3-Dichloropropane	U		0.000854	0.00852	1	06/04/2024 23:32	WG2298438
cis-1,3-Dichloropropene	U		0.00129	0.00426	1	06/04/2024 23:32	WG2298438
trans-1,3-Dichloropropene	U		0.00194	0.00852	1	06/04/2024 23:32	WG2298438
2,2-Dichloropropane	U		0.00235	0.00426	1	06/04/2024 23:32	WG2298438
Di-isopropyl ether	U		0.000699	0.00170	1	06/04/2024 23:32	WG2298438
Ethylbenzene	0.00201	J	0.00126	0.00426	1	06/04/2024 23:32	WG2298438
Hexachloro-1,3-butadiene	U		0.0102	0.0426	1	06/04/2024 23:32	WG2298438
Isopropylbenzene	U		0.000724	0.00426	1	06/04/2024 23:32	WG2298438
p-Isopropyltoluene	U		0.00435	0.00852	1	06/04/2024 23:32	WG2298438
2-Butanone (MEK)	U		0.108	0.170	1	06/04/2024 23:32	WG2298438
Methylene Chloride	U		0.0113	0.0426	1	06/04/2024 23:32	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00389	0.0426	1	06/04/2024 23:32	WG2298438
Methyl tert-butyl ether	U		0.000596	0.00170	1	06/04/2024 23:32	WG2298438
Naphthalene	0.0139	J	0.00832	0.0213	1	06/04/2024 23:32	WG2298438
n-Propylbenzene	U		0.00162	0.00852	1	06/04/2024 23:32	WG2298438
Styrene	U		0.000390	0.0213	1	06/04/2024 23:32	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00162	0.00426	1	06/04/2024 23:32	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00118	0.00426	1	06/04/2024 23:32	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00128	0.00426	1	06/04/2024 23:32	WG2298438
Tetrachloroethene	U		0.00153	0.00426	1	06/04/2024 23:32	WG2298438
Toluene	0.00535	J	0.00222	0.00852	1	06/04/2024 23:32	WG2298438
1,2,3-Trichlorobenzene	U		0.0125	0.0213	1	06/04/2024 23:32	WG2298438
1,2,4-Trichlorobenzene	U		0.00750	0.0213	1	06/04/2024 23:32	WG2298438
1,1,1-Trichloroethane	U		0.00157	0.00426	1	06/04/2024 23:32	WG2298438
1,1,2-Trichloroethane	U		0.00102	0.00426	1	06/04/2024 23:32	WG2298438
Trichloroethene	0.0182		0.000995	0.00170	1	06/04/2024 23:32	WG2298438
Trichlorofluoromethane	U		0.00141	0.00426	1	06/04/2024 23:32	WG2298438
1,2,3-Trichloropropane	U		0.00276	0.0213	1	06/04/2024 23:32	WG2298438
1,2,4-Trimethylbenzene	0.00341	J	0.00269	0.00852	1	06/04/2024 23:32	WG2298438
1,2,3-Trimethylbenzene	U		0.00269	0.00852	1	06/04/2024 23:32	WG2298438
1,3,5-Trimethylbenzene	U		0.00341	0.00852	1	06/04/2024 23:32	WG2298438
Vinyl chloride	U		0.00198	0.00426	1	06/04/2024 23:32	WG2298438
Xylenes, Total	0.00593	J	0.00150	0.0111	1	06/04/2024 23:32	WG2298438
(S) Toluene-d8	*106*			*75.0-131*		*06/04/2024 23:32*	WG2298438
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/04/2024 23:32*	WG2298438
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*06/04/2024 23:32*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	12.5		0.971	5.30	1	06/12/2024 20:09	WG2303717
C22-C32 Hydrocarbons	54.0		1.76	5.30	1	06/12/2024 20:09	WG2303717
C32-C40 Hydrocarbons	27.0		1.76	5.30	1	06/12/2024 20:09	WG2303717
(S) o-Terphenyl	*39.6*			*18.0-148*		*06/12/2024 20:09*	WG2303717

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0156	0.0450	1	06/05/2024 23:56	WG2298713
PCB 1221	U		0.0156	0.0450	1	06/05/2024 23:56	WG2298713
PCB 1232	U		0.0156	0.0450	1	06/05/2024 23:56	WG2298713
PCB 1242	U		0.0156	0.0450	1	06/05/2024 23:56	WG2298713
PCB 1248	U		0.00978	0.0225	1	06/05/2024 23:56	WG2298713
PCB 1254	U		0.00978	0.0225	1	06/05/2024 23:56	WG2298713
PCB 1260	U		0.00978	0.0225	1	06/05/2024 23:56	WG2298713
(S) Decachlorobiphenyl	*80.3*			*10.0-135*		*06/05/2024 23:56*	WG2298713
(S) Tetrachloro-m-xylene	*82.4*			*10.0-139*		*06/05/2024 23:56*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00714	0.0441	1	06/06/2024 19:31	WG2299140
Acenaphthylene	U		0.00621	0.0441	1	06/06/2024 19:31	WG2299140
Anthracene	U		0.00786	0.0441	1	06/06/2024 19:31	WG2299140
Benzidine	U		0.0829	2.21	1	06/06/2024 19:31	WG2299140
Benzo(a)anthracene	0.0264	J	0.00778	0.0441	1	06/06/2024 19:31	WG2299140
Benzo(b)fluoranthene	0.0435	J	0.00823	0.0441	1	06/06/2024 19:31	WG2299140
Benzo(k)fluoranthene	0.0160	J	0.00784	0.0441	1	06/06/2024 19:31	WG2299140
Benzo(g,h,i)perylene	0.0261	J	0.00807	0.0441	1	06/06/2024 19:31	WG2299140
Benzo(a)pyrene	0.0333	J	0.00820	0.0441	1	06/06/2024 19:31	WG2299140
Bis(2-chlorethoxy)methane	U		0.0132	0.441	1	06/06/2024 19:31	WG2299140
Bis(2-chloroethyl)ether	U		0.0146	0.441	1	06/06/2024 19:31	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0191	0.441	1	06/06/2024 19:31	WG2299140
4-Bromophenyl-phenylether	U		0.0155	0.441	1	06/06/2024 19:31	WG2299140
2-Chloronaphthalene	U		0.00775	0.0441	1	06/06/2024 19:31	WG2299140
4-Chlorophenyl-phenylether	U		0.0154	0.441	1	06/06/2024 19:31	WG2299140
Chrysene	0.0391	J	0.00877	0.0441	1	06/06/2024 19:31	WG2299140
Dibenz(a,h)anthracene	U		0.0122	0.0441	1	06/06/2024 19:31	WG2299140
1,2-Dichlorobenzene	U		0.0131	0.441	1	06/06/2024 19:31	WG2299140
1,3-Dichlorobenzene	U		0.0134	0.441	1	06/06/2024 19:31	WG2299140
1,4-Dichlorobenzene	U		0.0131	0.441	1	06/06/2024 19:31	WG2299140
3,3-Dichlorobenzidine	U		0.0163	0.441	1	06/06/2024 19:31	WG2299140
2,4-Dinitrotoluene	U		0.0127	0.441	1	06/06/2024 19:31	WG2299140
2,6-Dinitrotoluene	U		0.0144	0.441	1	06/06/2024 19:31	WG2299140
Fluoranthene	0.0333	J	0.00796	0.0441	1	06/06/2024 19:31	WG2299140
Fluorene	U		0.00718	0.0441	1	06/06/2024 19:31	WG2299140
Hexachlorobenzene	U		0.0156	0.441	1	06/06/2024 19:31	WG2299140
Hexachloro-1,3-butadiene	U		0.0148	0.441	1	06/06/2024 19:31	WG2299140
Hexachlorocyclopentadiene	U		0.0232	0.441	1	06/06/2024 19:31	WG2299140
Hexachloroethane	U		0.0174	0.441	1	06/06/2024 19:31	WG2299140
Indeno(1,2,3-cd)pyrene	0.0225	J	0.0125	0.0441	1	06/06/2024 19:31	WG2299140
Isophorone	U		0.0135	0.441	1	06/06/2024 19:31	WG2299140
Naphthalene	U		0.0111	0.0441	1	06/06/2024 19:31	WG2299140
Nitrobenzene	U		0.0154	0.441	1	06/06/2024 19:31	WG2299140
n-Nitrosodimethylamine	U		0.0654	0.441	1	06/06/2024 19:31	WG2299140

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.0334	0.441	1	06/06/2024 19:31	WG2299140
n-Nitrosodi-n-propylamine	U		0.0147	0.441	1	06/06/2024 19:31	WG2299140
Phenanthrene	0.0171	J	0.00876	0.0441	1	06/06/2024 19:31	WG2299140
Benzylbutyl phthalate	U		0.0138	0.441	1	06/06/2024 19:31	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.0559	0.441	1	06/06/2024 19:31	WG2299140
Di-n-butyl phthalate	U		0.0151	0.441	1	06/06/2024 19:31	WG2299140
Diethyl phthalate	U		0.0146	0.441	1	06/06/2024 19:31	WG2299140
Dimethyl phthalate	U		0.0935	0.441	1	06/06/2024 19:31	WG2299140
Di-n-octyl phthalate	U		0.0298	0.441	1	06/06/2024 19:31	WG2299140
Pyrene	0.0397	J	0.00858	0.0441	1	06/06/2024 19:31	WG2299140
1,2,4-Trichlorobenzene	U		0.0138	0.441	1	06/06/2024 19:31	WG2299140
4-Chloro-3-methylphenol	U		0.0143	0.441	1	06/06/2024 19:31	WG2299140
2-Chlorophenol	U		0.0146	0.441	1	06/06/2024 19:31	WG2299140
2,4-Dichlorophenol	U		0.0128	0.441	1	06/06/2024 19:31	WG2299140
2,4-Dimethylphenol	U		0.0115	0.441	1	06/06/2024 19:31	WG2299140
4,6-Dinitro-2-methylphenol	U		0.100	0.441	1	06/06/2024 19:31	WG2299140
2,4-Dinitrophenol	U		0.103	0.441	1	06/06/2024 19:31	WG2299140
2-Nitrophenol	U		0.0158	0.441	1	06/06/2024 19:31	WG2299140
4-Nitrophenol	U		0.0138	0.441	1	06/06/2024 19:31	WG2299140
Pentachlorophenol	U		0.0119	0.441	1	06/06/2024 19:31	WG2299140
Phenol	U		0.0178	0.441	1	06/06/2024 19:31	WG2299140
2,4,6-Trichlorophenol	U		0.0142	0.441	1	06/06/2024 19:31	WG2299140
(S) 2-Fluorophenol	*69.1*			*12.0-120*		*06/06/2024 19:31*	WG2299140
(S) Phenol-d5	*60.4*			*10.0-120*		*06/06/2024 19:31*	WG2299140
(S) Nitrobenzene-d5	*59.6*			*10.0-122*		*06/06/2024 19:31*	WG2299140
(S) 2-Fluorobiphenyl	*59.6*			*15.0-120*		*06/06/2024 19:31*	WG2299140
(S) 2,4,6-Tribromophenol	*70.0*			*10.0-127*		*06/06/2024 19:31*	WG2299140
(S) p-Terphenyl-d14	*63.7*			*10.0-120*		*06/06/2024 19:31*	WG2299140

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.0		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0255	J	0.0250	0.0556	1	06/01/2024 13:44	WG2296379

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.33		0.756	2.78	1	06/06/2024 00:28	WG2297407
Arsenic	4.07		0.720	2.78	1	06/06/2024 00:28	WG2297407
Barium	306		0.118	0.695	1	06/06/2024 00:28	WG2297407
Beryllium	0.411		0.0438	0.278	1	06/06/2024 00:28	WG2297407
Cadmium	3.24		0.0654	0.695	1	06/06/2024 00:28	WG2297407
Chromium	100		0.185	1.39	1	06/06/2024 00:28	WG2297407
Cobalt	2.79		0.113	1.39	1	06/06/2024 00:28	WG2297407
Copper	28.0		0.556	2.78	1	06/06/2024 00:28	WG2297407
Lead	233		0.289	0.695	1	06/06/2024 00:28	WG2297407
Molybdenum	3.29		0.151	0.695	1	06/06/2024 00:28	WG2297407
Nickel	27.4		0.183	2.78	1	06/06/2024 00:28	WG2297407
Selenium	U		1.06	2.78	1	06/06/2024 00:28	WG2297407
Silver	U		0.176	1.39	1	06/06/2024 00:28	WG2297407
Thallium	1.67	J	0.547	2.78	1	06/06/2024 00:28	WG2297407
Vanadium	83.8		0.703	2.78	1	06/06/2024 00:28	WG2297407
Zinc	55.2		1.16	6.95	1	06/06/2024 00:28	WG2297407

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	117		6.42	19.3	111	06/05/2024 07:24	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/05/2024 07:24*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.563	0.772	8.88	06/07/2024 02:40	WG2299808
Acrylonitrile	U		0.0529	0.183	8	06/05/2024 01:25	WG2298438
Benzene	0.0699		0.00684	0.0146	8	06/05/2024 01:25	WG2298438
Bromobenzene	U		0.0132	0.183	8	06/05/2024 01:25	WG2298438
Bromodichloromethane	U		0.0106	0.0366	8	06/05/2024 01:25	WG2298438
Bromoform	U		0.0171	0.366	8	06/05/2024 01:25	WG2298438
Bromomethane	U		0.0289	0.183	8	06/05/2024 01:25	WG2298438
n-Butylbenzene	2.38		0.0768	0.183	8	06/05/2024 01:25	WG2298438
sec-Butylbenzene	0.236		0.0421	0.183	8	06/05/2024 01:25	WG2298438
tert-Butylbenzene	U		0.0285	0.0732	8	06/05/2024 01:25	WG2298438
Carbon tetrachloride	U		0.0131	0.0732	8	06/05/2024 01:25	WG2298438
Chlorobenzene	U		0.00307	0.0366	8	06/05/2024 01:25	WG2298438
Chlorodibromomethane	U		0.00896	0.0366	8	06/05/2024 01:25	WG2298438
Chloroethane	U		0.0249	0.0732	8	06/05/2024 01:25	WG2298438
Chloroform	U		0.0151	0.0366	8	06/05/2024 01:25	WG2298438
Chloromethane	U		0.0637	0.183	8	06/05/2024 01:25	WG2298438
2-Chlorotoluene	0.514		0.0127	0.0366	8	06/05/2024 01:25	WG2298438
4-Chlorotoluene	0.503		0.00658	0.0732	8	06/05/2024 01:25	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0571	0.366	8	06/05/2024 01:25	WG2298438
1,2-Dibromoethane	U		0.00947	0.0366	8	06/05/2024 01:25	WG2298438
Dibromomethane	U		0.0110	0.0732	8	06/05/2024 01:25	WG2298438
1,2-Dichlorobenzene	0.0461	J	0.00622	0.0732	8	06/05/2024 01:25	WG2298438
1,3-Dichlorobenzene	U		0.00878	0.0732	8	06/05/2024 01:25	WG2298438
1,4-Dichlorobenzene	U		0.0102	0.0732	8	06/05/2024 01:25	WG2298438
Dichlorodifluoromethane	U		0.0236	0.0732	8	06/05/2024 01:25	WG2298438
1,1-Dichloroethane	U		0.00719	0.0366	8	06/05/2024 01:25	WG2298438
1,2-Dichloroethane	U		0.00949	0.0366	8	06/05/2024 01:25	WG2298438
1,1-Dichloroethene	U		0.00887	0.0366	8	06/05/2024 01:25	WG2298438
cis-1,2-Dichloroethene	0.0704		0.0107	0.0366	8	06/05/2024 01:25	WG2298438
trans-1,2-Dichloroethene	U		0.0152	0.0732	8	06/05/2024 01:25	WG2298438
1,2-Dichloropropane	U		0.0209	0.0732	8	06/05/2024 01:25	WG2298438
1,1-Dichloropropene	U		0.0118	0.0366	8	06/05/2024 01:25	WG2298438
1,3-Dichloropropane	U		0.00733	0.0732	8	06/05/2024 01:25	WG2298438
cis-1,3-Dichloropropene	U		0.0111	0.0366	8	06/05/2024 01:25	WG2298438
trans-1,3-Dichloropropene	U		0.0167	0.0732	8	06/05/2024 01:25	WG2298438
2,2-Dichloropropane	U		0.0201	0.0366	8	06/05/2024 01:25	WG2298438
Di-isopropyl ether	U		0.00600	0.0146	8	06/05/2024 01:25	WG2298438
Ethylbenzene	0.346		0.0108	0.0366	8	06/05/2024 01:25	WG2298438
Hexachloro-1,3-butadiene	U		0.0878	0.366	8	06/05/2024 01:25	WG2298438
Isopropylbenzene	0.305		0.00622	0.0366	8	06/05/2024 01:25	WG2298438
p-Isopropyltoluene	0.633		0.0373	0.0732	8	06/05/2024 01:25	WG2298438
2-Butanone (MEK)	U		0.929	1.46	8	06/05/2024 01:25	WG2298438
Methylene Chloride	U		0.103	0.386	8.88	06/07/2024 02:40	WG2299808
4-Methyl-2-pentanone (MIBK)	0.578		0.0333	0.366	8	06/05/2024 01:25	WG2298438
Methyl tert-butyl ether	U		0.00512	0.0146	8	06/05/2024 01:25	WG2298438
Naphthalene	7.02		0.0713	0.183	8	06/05/2024 01:25	WG2298438
n-Propylbenzene	0.307		0.0139	0.0732	8	06/05/2024 01:25	WG2298438
Styrene	U		0.00335	0.183	8	06/05/2024 01:25	WG2298438
1,1,1,2-Tetrachloroethane	U		0.0139	0.0366	8	06/05/2024 01:25	WG2298438
1,1,2,2-Tetrachloroethane	U		0.0102	0.0366	8	06/05/2024 01:25	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.0110	0.0366	8	06/05/2024 01:25	WG2298438
Tetrachloroethene	0.115		0.0131	0.0366	8	06/05/2024 01:25	WG2298438
Toluene	0.534		0.0190	0.0732	8	06/05/2024 01:25	WG2298438
1,2,3-Trichlorobenzene	U		0.107	0.183	8	06/05/2024 01:25	WG2298438
1,2,4-Trichlorobenzene	0.102	J	0.0644	0.183	8	06/05/2024 01:25	WG2298438
1,1,1-Trichloroethane	U		0.0135	0.0366	8	06/05/2024 01:25	WG2298438
1,1,2-Trichloroethane	U		0.00874	0.0366	8	06/05/2024 01:25	WG2298438
Trichloroethene	1.75		0.00854	0.0146	8	06/05/2024 01:25	WG2298438
Trichlorofluoromethane	U		0.0121	0.0366	8	06/05/2024 01:25	WG2298438
1,2,3-Trichloropropane	U		0.0238	0.183	8	06/05/2024 01:25	WG2298438
1,2,4-Trimethylbenzene	3.16		0.0230	0.0732	8	06/05/2024 01:25	WG2298438
1,2,3-Trimethylbenzene	2.05		0.0230	0.0732	8	06/05/2024 01:25	WG2298438
1,3,5-Trimethylbenzene	1.39		0.0293	0.0732	8	06/05/2024 01:25	WG2298438
Vinyl chloride	U		0.0170	0.0366	8	06/05/2024 01:25	WG2298438
Xylenes, Total	2.12		0.0129	0.0951	8	06/05/2024 01:25	WG2298438
(S) Toluene-d8	*106*			*75.0-131*		*06/05/2024 01:25*	WG2298438
(S) Toluene-d8	*101*			*75.0-131*		*06/07/2024 02:40*	WG2299808
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/05/2024 01:25*	WG2298438
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/07/2024 02:40*	WG2299808
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*06/05/2024 01:25*	WG2298438
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/07/2024 02:40*	WG2299808

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3920		510	2780	500	06/06/2024 23:04	WG2299541
C22-C32 Hydrocarbons	20000		924	2780	500	06/06/2024 23:04	WG2299541
C32-C40 Hydrocarbons	9140		924	2780	500	06/06/2024 23:04	WG2299541
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/06/2024 23:04*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0749	0.463	10	06/11/2024 06:08	WG2301591
Acenaphthylene	U		0.0651	0.463	10	06/11/2024 06:08	WG2301591
Anthracene	U		0.0824	0.463	10	06/11/2024 06:08	WG2301591
Benzidine	U		0.870	23.2	10	06/11/2024 06:08	WG2301591
Benzo(a)anthracene	U		0.0815	0.463	10	06/11/2024 06:08	WG2301591
Benzo(b)fluoranthene	0.0895	J	0.0863	0.463	10	06/11/2024 06:08	WG2301591
Benzo(k)fluoranthene	U		0.0822	0.463	10	06/11/2024 06:08	WG2301591
Benzo(g,h,i)perylene	U		0.0846	0.463	10	06/11/2024 06:08	WG2301591
Benzo(a)pyrene	U		0.0860	0.463	10	06/11/2024 06:08	WG2301591
Bis(2-chlorethoxy)methane	U		0.139	4.63	10	06/11/2024 06:08	WG2301591
Bis(2-chloroethyl)ether	U		0.153	4.63	10	06/11/2024 06:08	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.200	4.63	10	06/11/2024 06:08	WG2301591
4-Bromophenyl-phenylether	U		0.163	4.63	10	06/11/2024 06:08	WG2301591
2-Chloronaphthalene	U		0.0813	0.463	10	06/11/2024 06:08	WG2301591
4-Chlorophenyl-phenylether	U		0.161	4.63	10	06/11/2024 06:08	WG2301591
Chrysene	0.118	J	0.0920	0.463	10	06/11/2024 06:08	WG2301591
Dibenz(a,h)anthracene	U		0.128	0.463	10	06/11/2024 06:08	WG2301591
1,2-Dichlorobenzene	U		0.137	4.63	10	06/11/2024 06:08	WG2301591
1,3-Dichlorobenzene	U		0.140	4.63	10	06/11/2024 06:08	WG2301591
1,4-Dichlorobenzene	U		0.138	4.63	10	06/11/2024 06:08	WG2301591
3,3-Dichlorobenzidine	U		0.171	4.63	10	06/11/2024 06:08	WG2301591
2,4-Dinitrotoluene	U		0.133	4.63	10	06/11/2024 06:08	WG2301591
2,6-Dinitrotoluene	U		0.151	4.63	10	06/11/2024 06:08	WG2301591
Fluoranthene	0.122	J	0.0835	0.463	10	06/11/2024 06:08	WG2301591
Fluorene	U		0.0753	0.463	10	06/11/2024 06:08	WG2301591
Hexachlorobenzene	U		0.164	4.63	10	06/11/2024 06:08	WG2301591
Hexachloro-1,3-butadiene	U		0.156	4.63	10	06/11/2024 06:08	WG2301591
Hexachlorocyclopentadiene	U		0.243	4.63	10	06/11/2024 06:08	WG2301591
Hexachloroethane	U		0.182	4.63	10	06/11/2024 06:08	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.131	0.463	10	06/11/2024 06:08	WG2301591
Isophorone	U		0.142	4.63	10	06/11/2024 06:08	WG2301591
Naphthalene	0.388	J	0.116	0.463	10	06/11/2024 06:08	WG2301591
Nitrobenzene	U		0.161	4.63	10	06/11/2024 06:08	WG2301591
n-Nitrosodimethylamine	U		0.686	4.63	10	06/11/2024 06:08	WG2301591
n-Nitrosodiphenylamine	U		0.350	4.63	10	06/11/2024 06:08	WG2301591
n-Nitrosodi-n-propylamine	U		0.154	4.63	10	06/11/2024 06:08	WG2301591
Phenanthrene	0.303	J	0.0918	0.463	10	06/11/2024 06:08	WG2301591
Benzylbutyl phthalate	U		0.144	4.63	10	06/11/2024 06:08	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.586	4.63	10	06/11/2024 06:08	WG2301591
Di-n-butyl phthalate	U		0.158	4.63	10	06/11/2024 06:08	WG2301591
Diethyl phthalate	U		0.153	4.63	10	06/11/2024 06:08	WG2301591
Dimethyl phthalate	U		0.981	4.63	10	06/11/2024 06:08	WG2301591
Di-n-octyl phthalate	U		0.313	4.63	10	06/11/2024 06:08	WG2301591
Pyrene	U		0.0900	0.463	10	06/11/2024 06:08	WG2301591
1,2,4-Trichlorobenzene	U		0.144	4.63	10	06/11/2024 06:08	WG2301591
4-Chloro-3-methylphenol	U		0.150	4.63	10	06/11/2024 06:08	WG2301591
2-Chlorophenol	U		0.153	4.63	10	06/11/2024 06:08	WG2301591
2,4-Dichlorophenol	U		0.135	4.63	10	06/11/2024 06:08	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.121	4.63	10	06/11/2024 06:08	WG2301591
4,6-Dinitro-2-methylphenol	U		1.05	4.63	10	06/11/2024 06:08	WG2301591
2,4-Dinitrophenol	U		1.08	4.63	10	06/11/2024 06:08	WG2301591
2-Nitrophenol	U		0.165	4.63	10	06/11/2024 06:08	WG2301591
4-Nitrophenol	U		0.144	4.63	10	06/11/2024 06:08	WG2301591
Pentachlorophenol	U		0.124	4.63	10	06/11/2024 06:08	WG2301591
Phenol	U		0.186	4.63	10	06/11/2024 06:08	WG2301591
2,4,6-Trichlorophenol	U		0.149	4.63	10	06/11/2024 06:08	WG2301591
(S) 2-Fluorophenol	*62.0*			*12.0-120*		*06/11/2024 06:08*	WG2301591
(S) Phenol-d5	*56.7*			*10.0-120*		*06/11/2024 06:08*	WG2301591
(S) Nitrobenzene-d5	*52.6*			*10.0-122*		*06/11/2024 06:08*	WG2301591
(S) 2-Fluorobiphenyl	*66.1*			*15.0-120*		*06/11/2024 06:08*	WG2301591
(S) 2,4,6-Tribromophenol	*47.2*			*10.0-127*		*06/11/2024 06:08*	WG2301591
(S) p-Terphenyl-d14	*59.2*			*10.0-120*		*06/11/2024 06:08*	WG2301591

Sample Narrative:

L1741416-19 WG2301591: Dilution due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.7		1	06/08/2024 11:13	WG2301199

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0600		0.0238	0.0528	1	06/14/2024 09:48	WG2304258

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.07	J6	0.718	2.64	1	06/19/2024 09:46	WG2305335
Arsenic	4.22		0.684	2.64	1	06/19/2024 09:46	WG2305335
Barium	339		0.113	0.660	1	06/19/2024 09:46	WG2305335
Beryllium	1.08		0.0416	0.264	1	06/19/2024 09:46	WG2305335
Cadmium	0.378	B J	0.0622	0.660	1	06/19/2024 09:46	WG2305335
Chromium	87.5		0.176	1.32	1	06/19/2024 09:46	WG2305335
Cobalt	9.85	O1	0.107	1.32	1	06/19/2024 09:46	WG2305335
Copper	41.4		0.528	2.64	1	06/19/2024 09:46	WG2305335
Lead	63.9	J3 J5	0.275	0.660	1	06/19/2024 09:46	WG2305335
Molybdenum	U		0.144	0.660	1	06/19/2024 09:46	WG2305335
Nickel	57.2		0.174	2.64	1	06/19/2024 09:46	WG2305335
Selenium	U		1.01	2.64	1	06/19/2024 09:46	WG2305335
Silver	U		0.168	1.32	1	06/19/2024 09:46	WG2305335
Thallium	U		0.520	2.64	1	06/19/2024 09:46	WG2305335
Vanadium	87.5		0.668	2.64	1	06/19/2024 09:46	WG2305335
Zinc	75.9		1.10	6.60	1	06/19/2024 09:46	WG2305335

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	17.0	B T8	1.40	4.22	25	06/17/2024 11:02	WG2306312
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*		*06/17/2024 11:02*	WG2306312

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.123	0.169	2	06/12/2024 23:48	WG2303955
Acrylonitrile	U		0.0122	0.0423	2	06/12/2024 23:48	WG2303955
Benzene	0.00560		0.00158	0.00338	2	06/12/2024 23:48	WG2303955
Bromobenzene	U		0.00304	0.0423	2	06/12/2024 23:48	WG2303955
Bromodichloromethane	U		0.00245	0.00846	2	06/12/2024 23:48	WG2303955
Bromoform	U		0.00396	0.0846	2	06/12/2024 23:48	WG2303955
Bromomethane	U		0.00666	0.0423	2	06/12/2024 23:48	WG2303955
n-Butylbenzene	0.0380	J	0.0178	0.0423	2	06/12/2024 23:48	WG2303955
sec-Butylbenzene	0.0289	J	0.00974	0.0423	2	06/12/2024 23:48	WG2303955
tert-Butylbenzene	U		0.00660	0.0169	2	06/12/2024 23:48	WG2303955
Carbon tetrachloride	U		0.00304	0.0169	2	06/12/2024 23:48	WG2303955
Chlorobenzene	U		0.000710	0.00846	2	06/12/2024 23:48	WG2303955
Chlorodibromomethane	U		0.00206	0.00846	2	06/12/2024 23:48	WG2303955
Chloroethane	U		0.00575	0.0169	2	06/12/2024 23:48	WG2303955
Chloroform	U		0.00348	0.00846	2	06/12/2024 23:48	WG2303955
Chloromethane	U		0.0147	0.0423	2	06/12/2024 23:48	WG2303955
2-Chlorotoluene	0.0555		0.00293	0.00846	2	06/12/2024 23:48	WG2303955
4-Chlorotoluene	U		0.00152	0.0169	2	06/12/2024 23:48	WG2303955

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0132	0.0846	2	06/12/2024 23:48	WG2303955
1,2-Dibromoethane	U		0.00220	0.00846	2	06/12/2024 23:48	WG2303955
Dibromomethane	U		0.00254	0.0169	2	06/12/2024 23:48	WG2303955
1,2-Dichlorobenzene	0.00419	J	0.00144	0.0169	2	06/12/2024 23:48	WG2303955
1,3-Dichlorobenzene	U		0.00203	0.0169	2	06/12/2024 23:48	WG2303955
1,4-Dichlorobenzene	U		0.00237	0.0169	2	06/12/2024 23:48	WG2303955
Dichlorodifluoromethane	U		0.00545	0.0169	2	06/12/2024 23:48	WG2303955
1,1-Dichloroethane	U		0.00166	0.00846	2	06/12/2024 23:48	WG2303955
1,2-Dichloroethane	U		0.00220	0.00846	2	06/12/2024 23:48	WG2303955
1,1-Dichloroethene	U		0.00205	0.00846	2	06/12/2024 23:48	WG2303955
cis-1,2-Dichloroethene	0.0164		0.00249	0.00846	2	06/12/2024 23:48	WG2303955
trans-1,2-Dichloroethene	U		0.00352	0.0169	2	06/12/2024 23:48	WG2303955
1,2-Dichloropropane	U		0.00480	0.0169	2	06/12/2024 23:48	WG2303955
1,1-Dichloropropene	U		0.00274	0.00846	2	06/12/2024 23:48	WG2303955
1,3-Dichloropropane	U		0.00169	0.0169	2	06/12/2024 23:48	WG2303955
cis-1,3-Dichloropropene	U		0.00255	0.00846	2	06/12/2024 23:48	WG2303955
trans-1,3-Dichloropropene	U		0.00386	0.0169	2	06/12/2024 23:48	WG2303955
2,2-Dichloropropane	U		0.00467	0.00846	2	06/12/2024 23:48	WG2303955
Di-isopropyl ether	U		0.00139	0.00338	2	06/12/2024 23:48	WG2303955
Ethylbenzene	0.0218		0.00249	0.00846	2	06/12/2024 23:48	WG2303955
Hexachloro-1,3-butadiene	U		0.0203	0.0846	2	06/12/2024 23:48	WG2303955
Isopropylbenzene	0.0238		0.00144	0.00846	2	06/12/2024 23:48	WG2303955
p-Isopropyltoluene	0.0802		0.00862	0.0169	2	06/12/2024 23:48	WG2303955
2-Butanone (MEK)	U		0.215	0.338	2	06/12/2024 23:48	WG2303955
Methylene Chloride	U		0.0225	0.0846	2	06/12/2024 23:48	WG2303955
4-Methyl-2-pentanone (MIBK)	U		0.00771	0.0846	2	06/12/2024 23:48	WG2303955
Methyl tert-butyl ether	U		0.00118	0.00338	2	06/12/2024 23:48	WG2303955
Naphthalene	0.775		0.0165	0.0423	2	06/12/2024 23:48	WG2303955
n-Propylbenzene	0.0303		0.00321	0.0169	2	06/12/2024 23:48	WG2303955
Styrene	U		0.000775	0.0423	2	06/12/2024 23:48	WG2303955
1,1,1,2-Tetrachloroethane	U		0.00321	0.00846	2	06/12/2024 23:48	WG2303955
1,1,2,2-Tetrachloroethane	U		0.00235	0.00846	2	06/12/2024 23:48	WG2303955
1,1,2-Trichlorotrifluoroethane	U		0.00255	0.00846	2	06/12/2024 23:48	WG2303955
Tetrachloroethene	0.00911		0.00303	0.00846	2	06/12/2024 23:48	WG2303955
Toluene	0.0352		0.00440	0.0169	2	06/12/2024 23:48	WG2303955
1,2,3-Trichlorobenzene	U		0.0249	0.0423	2	06/12/2024 23:48	WG2303955
1,2,4-Trichlorobenzene	U		0.0149	0.0423	2	06/12/2024 23:48	WG2303955
1,1,1-Trichloroethane	U		0.00313	0.00846	2	06/12/2024 23:48	WG2303955
1,1,2-Trichloroethane	U		0.00201	0.00846	2	06/12/2024 23:48	WG2303955
Trichloroethene	0.112		0.00198	0.00338	2	06/12/2024 23:48	WG2303955
Trichlorofluoromethane	U		0.00279	0.00846	2	06/12/2024 23:48	WG2303955
1,2,3-Trichloropropane	U		0.00548	0.0423	2	06/12/2024 23:48	WG2303955
1,2,4-Trimethylbenzene	0.333		0.00534	0.0169	2	06/12/2024 23:48	WG2303955
1,2,3-Trimethylbenzene	0.235		0.00534	0.0169	2	06/12/2024 23:48	WG2303955
1,3,5-Trimethylbenzene	0.176		0.00676	0.0169	2	06/12/2024 23:48	WG2303955
Vinyl chloride	U		0.00392	0.00846	2	06/12/2024 23:48	WG2303955
Xylenes, Total	0.163		0.00298	0.0220	2	06/12/2024 23:48	WG2303955
(S) Toluene-d8	*113*			*75.0-131*		*06/12/2024 23:48*	WG2303955
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/12/2024 23:48*	WG2303955
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/12/2024 23:48*	WG2303955

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	503		48.5	264	50	06/12/2024 21:35	WG2303717
C22-C32 Hydrocarbons	2580		87.8	264	50	06/12/2024 21:35	WG2303717
C32-C40 Hydrocarbons	1230		87.8	264	50	06/12/2024 21:35	WG2303717
(S) o-Terphenyl	*85.5*	J7		*18.0-148*		*06/12/2024 21:35*	WG2303717

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	06/01/2024 10:49	WG2296617

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	12.7	B	1.36	4.09	25	06/04/2024 02:39	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*06/04/2024 02:39*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0597	0.0817	1	06/04/2024 23:54	WG2298438
Acrylonitrile	U		0.00590	0.0204	1	06/04/2024 23:54	WG2298438
Benzene	0.00454		0.000763	0.00163	1	06/04/2024 23:54	WG2298438
Bromobenzene	U		0.00147	0.0204	1	06/04/2024 23:54	WG2298438
Bromodichloromethane	U		0.00118	0.00409	1	06/04/2024 23:54	WG2298438
Bromoform	U		0.00191	0.0409	1	06/04/2024 23:54	WG2298438
Bromomethane	U		0.00322	0.0204	1	06/04/2024 23:54	WG2298438
n-Butylbenzene	0.275		0.00858	0.0204	1	06/04/2024 23:54	WG2298438
sec-Butylbenzene	0.0235		0.00471	0.0204	1	06/04/2024 23:54	WG2298438
tert-Butylbenzene	U		0.00319	0.00817	1	06/04/2024 23:54	WG2298438
Carbon tetrachloride	U		0.00147	0.00817	1	06/04/2024 23:54	WG2298438
Chlorobenzene	U		0.000343	0.00409	1	06/04/2024 23:54	WG2298438
Chlorodibromomethane	U		0.00100	0.00409	1	06/04/2024 23:54	WG2298438
Chloroethane	U		0.00278	0.00817	1	06/04/2024 23:54	WG2298438
Chloroform	U		0.00168	0.00409	1	06/04/2024 23:54	WG2298438
Chloromethane	U		0.00711	0.0204	1	06/04/2024 23:54	WG2298438
2-Chlorotoluene	U		0.00141	0.00409	1	06/04/2024 23:54	WG2298438
4-Chlorotoluene	U		0.000735	0.00817	1	06/04/2024 23:54	WG2298438
1,2-Dibromo-3-Chloropropane	U		0.00637	0.0409	1	06/04/2024 23:54	WG2298438
1,2-Dibromoethane	U		0.00106	0.00409	1	06/04/2024 23:54	WG2298438
Dibromomethane	U		0.00123	0.00817	1	06/04/2024 23:54	WG2298438
1,2-Dichlorobenzene	U		0.000695	0.00817	1	06/04/2024 23:54	WG2298438
1,3-Dichlorobenzene	U		0.000981	0.00817	1	06/04/2024 23:54	WG2298438
1,4-Dichlorobenzene	U		0.00114	0.00817	1	06/04/2024 23:54	WG2298438
Dichlorodifluoromethane	U		0.00263	0.00817	1	06/04/2024 23:54	WG2298438
1,1-Dichloroethane	U		0.000802	0.00409	1	06/04/2024 23:54	WG2298438
1,2-Dichloroethane	U		0.00106	0.00409	1	06/04/2024 23:54	WG2298438
1,1-Dichloroethene	U		0.000990	0.00409	1	06/04/2024 23:54	WG2298438
cis-1,2-Dichloroethene	0.0204		0.00120	0.00409	1	06/04/2024 23:54	WG2298438
trans-1,2-Dichloroethene	U		0.00170	0.00817	1	06/04/2024 23:54	WG2298438
1,2-Dichloropropane	U		0.00232	0.00817	1	06/04/2024 23:54	WG2298438
1,1-Dichloropropene	U		0.00132	0.00409	1	06/04/2024 23:54	WG2298438
1,3-Dichloropropane	U		0.000819	0.00817	1	06/04/2024 23:54	WG2298438
cis-1,3-Dichloropropene	U		0.00124	0.00409	1	06/04/2024 23:54	WG2298438
trans-1,3-Dichloropropene	U		0.00186	0.00817	1	06/04/2024 23:54	WG2298438
2,2-Dichloropropane	U		0.00226	0.00409	1	06/04/2024 23:54	WG2298438
Di-isopropyl ether	U		0.000670	0.00163	1	06/04/2024 23:54	WG2298438
Ethylbenzene	0.0199		0.00120	0.00409	1	06/04/2024 23:54	WG2298438
Hexachloro-1,3-butadiene	U		0.00981	0.0409	1	06/04/2024 23:54	WG2298438
Isopropylbenzene	0.0227		0.000695	0.00409	1	06/04/2024 23:54	WG2298438
p-Isopropyltoluene	0.0646		0.00417	0.00817	1	06/04/2024 23:54	WG2298438
2-Butanone (MEK)	U		0.104	0.163	1	06/04/2024 23:54	WG2298438
Methylene Chloride	U		0.0109	0.0409	1	06/04/2024 23:54	WG2298438
4-Methyl-2-pentanone (MIBK)	U		0.00373	0.0409	1	06/04/2024 23:54	WG2298438

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000572	0.00163	1	06/04/2024 23:54	WG2298438
Naphthalene	0.422		0.00798	0.0204	1	06/04/2024 23:54	WG2298438
n-Propylbenzene	0.0242		0.00155	0.00817	1	06/04/2024 23:54	WG2298438
Styrene	U		0.000374	0.0204	1	06/04/2024 23:54	WG2298438
1,1,1,2-Tetrachloroethane	U		0.00155	0.00409	1	06/04/2024 23:54	WG2298438
1,1,2,2-Tetrachloroethane	U		0.00114	0.00409	1	06/04/2024 23:54	WG2298438
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00409	1	06/04/2024 23:54	WG2298438
Tetrachloroethene	0.00994		0.00146	0.00409	1	06/04/2024 23:54	WG2298438
Toluene	0.0240		0.00212	0.00817	1	06/04/2024 23:54	WG2298438
1,2,3-Trichlorobenzene	U		0.0120	0.0204	1	06/04/2024 23:54	WG2298438
1,2,4-Trichlorobenzene	U		0.00719	0.0204	1	06/04/2024 23:54	WG2298438
1,1,1-Trichloroethane	U		0.00151	0.00409	1	06/04/2024 23:54	WG2298438
1,1,2-Trichloroethane	U		0.000976	0.00409	1	06/04/2024 23:54	WG2298438
Trichloroethene	0.0866		0.000954	0.00163	1	06/04/2024 23:54	WG2298438
Trichlorofluoromethane	U		0.00135	0.00409	1	06/04/2024 23:54	WG2298438
1,2,3-Trichloropropane	U		0.00265	0.0204	1	06/04/2024 23:54	WG2298438
1,2,4-Trimethylbenzene	0.265		0.00258	0.00817	1	06/04/2024 23:54	WG2298438
1,2,3-Trimethylbenzene	0.185		0.00258	0.00817	1	06/04/2024 23:54	WG2298438
1,3,5-Trimethylbenzene	0.126		0.00327	0.00817	1	06/04/2024 23:54	WG2298438
Vinyl chloride	U		0.00190	0.00409	1	06/04/2024 23:54	WG2298438
Xylenes, Total	0.137		0.00144	0.0106	1	06/04/2024 23:54	WG2298438
(S) Toluene-d8	*104*			*75.0-131*		*06/04/2024 23:54*	WG2298438
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*06/04/2024 23:54*	WG2298438
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*06/04/2024 23:54*	WG2298438

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	181		19.0	103	20	06/06/2024 22:09	WG2299541
C22-C32 Hydrocarbons	900		34.4	103	20	06/06/2024 22:09	WG2299541
C32-C40 Hydrocarbons	428		34.4	103	20	06/06/2024 22:09	WG2299541
(S) o-Terphenyl	*95.1*	J7		*18.0-148*		*06/06/2024 22:09*	WG2299541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.319		0.0191	0.0425	1	06/02/2024 23:53	WG2296693

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.85		0.579	2.13	1	06/07/2024 19:23	WG2299109
Arsenic	23.2		0.551	2.13	1	06/07/2024 19:23	WG2299109
Barium	176		0.0906	0.532	1	06/07/2024 19:23	WG2299109
Beryllium	0.0723	J	0.0335	0.213	1	06/07/2024 19:23	WG2299109
Cadmium	0.773		0.0501	0.532	1	06/07/2024 19:23	WG2299109
Chromium	26.7		0.141	1.06	1	06/07/2024 19:23	WG2299109
Cobalt	8.67		0.0862	1.06	1	06/07/2024 19:23	WG2299109
Copper	43.2		0.425	2.13	1	06/07/2024 19:23	WG2299109
Lead	140		0.221	0.532	1	06/07/2024 19:23	WG2299109
Molybdenum	2.92		0.116	0.532	1	06/07/2024 19:23	WG2299109
Nickel	20.0		0.140	2.13	1	06/07/2024 19:23	WG2299109
Selenium	U		0.813	2.13	1	06/07/2024 19:23	WG2299109
Silver	0.255	B J	0.135	1.06	1	06/07/2024 19:23	WG2299109
Thallium	U		0.419	2.13	1	06/08/2024 18:03	WG2299109
Vanadium	36.8		0.538	2.13	1	06/08/2024 18:03	WG2299109
Zinc	203		0.885	5.32	1	06/07/2024 19:23	WG2299109

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0251	0.0723	2	06/08/2024 00:42	WG2300315
PCB 1221	U		0.0251	0.0723	2	06/08/2024 00:42	WG2300315
PCB 1232	U		0.0251	0.0723	2	06/08/2024 00:42	WG2300315
PCB 1242	U		0.0251	0.0723	2	06/08/2024 00:42	WG2300315
PCB 1248	U		0.0157	0.0362	2	06/08/2024 00:42	WG2300315
PCB 1254	U		0.0157	0.0362	2	06/08/2024 00:42	WG2300315
PCB 1260	U		0.0157	0.0362	2	06/08/2024 00:42	WG2300315
(S) Decachlorobiphenyl	*86.4*			*10.0-135*		*06/08/2024 00:42*	WG2300315
(S) Tetrachloro-m-xylene	*78.6*			*10.0-139*		*06/08/2024 00:42*	WG2300315

Sample Narrative:

L1741416-22 WG2300315: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0173	J	0.0115	0.0708	2	06/06/2024 19:51	WG2299140
Acenaphthylene	0.0129	J	0.00998	0.0708	2	06/06/2024 19:51	WG2299140
Anthracene	0.0199	J	0.0127	0.0708	2	06/06/2024 19:51	WG2299140
Benzidine	U		0.133	3.55	2	06/06/2024 19:51	WG2299140
Benzo(a)anthracene	0.0700	J	0.0124	0.0708	2	06/06/2024 19:51	WG2299140
Benzo(b)fluoranthene	0.0966		0.0132	0.0708	2	06/06/2024 19:51	WG2299140
Benzo(k)fluoranthene	0.0337	J	0.0125	0.0708	2	06/06/2024 19:51	WG2299140
Benzo(g,h,i)perylene	0.0560	J	0.0130	0.0708	2	06/06/2024 19:51	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0782		0.0132	0.0708	2	06/06/2024 19:51	WG2299140
Bis(2-chlorethoxy)methane	U		0.0213	0.708	2	06/06/2024 19:51	WG2299140
Bis(2-chloroethyl)ether	U		0.0234	0.708	2	06/06/2024 19:51	WG2299140
2,2-Oxybis(1-Chloropropane)	U		0.0306	0.708	2	06/06/2024 19:51	WG2299140
4-Bromophenyl-phenylether	U		0.0249	0.708	2	06/06/2024 19:51	WG2299140
2-Chloronaphthalene	U		0.0124	0.0708	2	06/06/2024 19:51	WG2299140
4-Chlorophenyl-phenylether	U		0.0247	0.708	2	06/06/2024 19:51	WG2299140
Chrysene	0.0908		0.0140	0.0708	2	06/06/2024 19:51	WG2299140
Dibenz(a,h)anthracene	U		0.0197	0.0708	2	06/06/2024 19:51	WG2299140
1,2-Dichlorobenzene	U		0.0210	0.708	2	06/06/2024 19:51	WG2299140
1,3-Dichlorobenzene	U		0.0215	0.708	2	06/06/2024 19:51	WG2299140
1,4-Dichlorobenzene	U		0.0211	0.708	2	06/06/2024 19:51	WG2299140
3,3-Dichlorobenzidine	U		0.0262	0.708	2	06/06/2024 19:51	WG2299140
2,4-Dinitrotoluene	U		0.0203	0.708	2	06/06/2024 19:51	WG2299140
2,6-Dinitrotoluene	U		0.0232	0.708	2	06/06/2024 19:51	WG2299140
Fluoranthene	0.186		0.0128	0.0708	2	06/06/2024 19:51	WG2299140
Fluorene	0.0232	J	0.0115	0.0708	2	06/06/2024 19:51	WG2299140
Hexachlorobenzene	U		0.0251	0.708	2	06/06/2024 19:51	WG2299140
Hexachloro-1,3-butadiene	U		0.0238	0.708	2	06/06/2024 19:51	WG2299140
Hexachlorocyclopentadiene	U		0.0372	0.708	2	06/06/2024 19:51	WG2299140
Hexachloroethane	U		0.0279	0.708	2	06/06/2024 19:51	WG2299140
Indeno(1,2,3-cd)pyrene	0.0536	J	0.0200	0.0708	2	06/06/2024 19:51	WG2299140
Isophorone	U		0.0217	0.708	2	06/06/2024 19:51	WG2299140
Naphthalene	0.0428	J	0.0178	0.0708	2	06/06/2024 19:51	WG2299140
Nitrobenzene	U		0.0247	0.708	2	06/06/2024 19:51	WG2299140
n-Nitrosodimethylamine	U		0.105	0.708	2	06/06/2024 19:51	WG2299140
n-Nitrosodiphenylamine	U		0.0536	0.708	2	06/06/2024 19:51	WG2299140
n-Nitrosodi-n-propylamine	U		0.0236	0.708	2	06/06/2024 19:51	WG2299140
Phenanthrene	0.178		0.0140	0.0708	2	06/06/2024 19:51	WG2299140
Benzylbutyl phthalate	U		0.0221	0.708	2	06/06/2024 19:51	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.0898	0.708	2	06/06/2024 19:51	WG2299140
Di-n-butyl phthalate	U		0.0242	0.708	2	06/06/2024 19:51	WG2299140
Diethyl phthalate	U		0.0234	0.708	2	06/06/2024 19:51	WG2299140
Dimethyl phthalate	U		0.150	0.708	2	06/06/2024 19:51	WG2299140
Di-n-octyl phthalate	U		0.0479	0.708	2	06/06/2024 19:51	WG2299140
Pyrene	0.175		0.0138	0.0708	2	06/06/2024 19:51	WG2299140
1,2,4-Trichlorobenzene	U		0.0221	0.708	2	06/06/2024 19:51	WG2299140
4-Chloro-3-methylphenol	U		0.0230	0.708	2	06/06/2024 19:51	WG2299140
2-Chlorophenol	U		0.0234	0.708	2	06/06/2024 19:51	WG2299140
2,4-Dichlorophenol	U		0.0206	0.708	2	06/06/2024 19:51	WG2299140
2,4-Dimethylphenol	U		0.0185	0.708	2	06/06/2024 19:51	WG2299140
4,6-Dinitro-2-methylphenol	U		0.161	0.708	2	06/06/2024 19:51	WG2299140
2,4-Dinitrophenol	U		0.166	0.708	2	06/06/2024 19:51	WG2299140
2-Nitrophenol	U		0.0253	0.708	2	06/06/2024 19:51	WG2299140
4-Nitrophenol	U		0.0221	0.708	2	06/06/2024 19:51	WG2299140
Pentachlorophenol	U		0.0190	0.708	2	06/06/2024 19:51	WG2299140
Phenol	U		0.0285	0.708	2	06/06/2024 19:51	WG2299140
2,4,6-Trichlorophenol	U		0.0228	0.708	2	06/06/2024 19:51	WG2299140
(S) 2-Fluorophenol	*74.5*			*12.0-120*		*06/06/2024 19:51*	WG2299140
(S) Phenol-d5	*66.0*			*10.0-120*		*06/06/2024 19:51*	WG2299140
(S) Nitrobenzene-d5	*60.8*			*10.0-122*		*06/06/2024 19:51*	WG2299140
(S) 2-Fluorobiphenyl	*64.2*			*15.0-120*		*06/06/2024 19:51*	WG2299140
(S) 2,4,6-Tribromophenol	*65.6*			*10.0-127*		*06/06/2024 19:51*	WG2299140
(S) p-Terphenyl-d14	*66.7*			*10.0-120*		*06/06/2024 19:51*	WG2299140

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1741416-22 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0632		0.0221	0.0491	1	06/03/2024 00:00	WG2296693

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.41	J	0.668	2.45	1	06/07/2024 19:26	WG2299109
Arsenic	5.49		0.636	2.45	1	06/07/2024 19:26	WG2299109
Barium	210		0.105	0.614	1	06/07/2024 19:26	WG2299109
Beryllium	0.283		0.0387	0.245	1	06/07/2024 19:26	WG2299109
Cadmium	0.510	J	0.0578	0.614	1	06/07/2024 19:26	WG2299109
Chromium	66.9		0.163	1.23	1	06/07/2024 19:26	WG2299109
Cobalt	13.1		0.0995	1.23	1	06/07/2024 19:26	WG2299109
Copper	30.8		0.491	2.45	1	06/07/2024 19:26	WG2299109
Lead	32.6		0.255	0.614	1	06/07/2024 19:26	WG2299109
Molybdenum	1.20		0.134	0.614	1	06/07/2024 19:26	WG2299109
Nickel	67.1		0.162	2.45	1	06/07/2024 19:26	WG2299109
Selenium	U		0.937	2.45	1	06/07/2024 19:26	WG2299109
Silver	U		0.156	1.23	1	06/07/2024 19:26	WG2299109
Thallium	U		0.483	2.45	1	06/07/2024 19:26	WG2299109
Vanadium	57.6		0.621	2.45	1	06/07/2024 19:26	WG2299109
Zinc	70.5		1.02	6.14	1	06/07/2024 19:26	WG2299109

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0543	0.0744	1	06/05/2024 04:29	WG2298650
Acrylonitrile	U		0.00537	0.0186	1	06/05/2024 04:29	WG2298650
Benzene	0.00716		0.000695	0.00149	1	06/05/2024 04:29	WG2298650
Bromobenzene	U		0.00134	0.0186	1	06/05/2024 04:29	WG2298650
Bromodichloromethane	U		0.00108	0.00372	1	06/05/2024 04:29	WG2298650
Bromoform	U		0.00174	0.0372	1	06/05/2024 04:29	WG2298650
Bromomethane	U		0.00293	0.0186	1	06/05/2024 04:29	WG2298650
n-Butylbenzene	U		0.00781	0.0186	1	06/05/2024 04:29	WG2298650
sec-Butylbenzene	0.00936	J	0.00429	0.0186	1	06/05/2024 04:29	WG2298650
tert-Butylbenzene	U		0.00290	0.00744	1	06/05/2024 04:29	WG2298650
Carbon tetrachloride	U		0.00134	0.00744	1	06/05/2024 04:29	WG2298650
Chlorobenzene	U		0.000313	0.00372	1	06/05/2024 04:29	WG2298650
Chlorodibromomethane	U		0.000911	0.00372	1	06/05/2024 04:29	WG2298650
Chloroethane	U		0.00253	0.00744	1	06/05/2024 04:29	WG2298650
Chloroform	U		0.00153	0.00372	1	06/05/2024 04:29	WG2298650
Chloromethane	U		0.00647	0.0186	1	06/05/2024 04:29	WG2298650
2-Chlorotoluene	U		0.00129	0.00372	1	06/05/2024 04:29	WG2298650
4-Chlorotoluene	U		0.000670	0.00744	1	06/05/2024 04:29	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00581	0.0372	1	06/05/2024 04:29	WG2298650
1,2-Dibromoethane	U		0.000965	0.00372	1	06/05/2024 04:29	WG2298650
Dibromomethane	U		0.00112	0.00744	1	06/05/2024 04:29	WG2298650
1,2-Dichlorobenzene	U		0.000633	0.00744	1	06/05/2024 04:29	WG2298650
1,3-Dichlorobenzene	U		0.000893	0.00744	1	06/05/2024 04:29	WG2298650
1,4-Dichlorobenzene	U		0.00104	0.00744	1	06/05/2024 04:29	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00240	0.00744	1	06/05/2024 04:29	WG2298650
1,1-Dichloroethane	U		0.000731	0.00372	1	06/05/2024 04:29	WG2298650
1,2-Dichloroethane	U		0.000966	0.00372	1	06/05/2024 04:29	WG2298650
1,1-Dichloroethene	U		0.000902	0.00372	1	06/05/2024 04:29	WG2298650
cis-1,2-Dichloroethene	U		0.00109	0.00372	1	06/05/2024 04:29	WG2298650
trans-1,2-Dichloroethene	U		0.00155	0.00744	1	06/05/2024 04:29	WG2298650
1,2-Dichloropropane	U		0.00211	0.00744	1	06/05/2024 04:29	WG2298650
1,1-Dichloropropene	U		0.00120	0.00372	1	06/05/2024 04:29	WG2298650
1,3-Dichloropropane	U		0.000746	0.00744	1	06/05/2024 04:29	WG2298650
cis-1,3-Dichloropropene	U		0.00113	0.00372	1	06/05/2024 04:29	WG2298650
trans-1,3-Dichloropropene	U		0.00170	0.00744	1	06/05/2024 04:29	WG2298650
2,2-Dichloropropane	U		0.00205	0.00372	1	06/05/2024 04:29	WG2298650
Di-isopropyl ether	U		0.000610	0.00149	1	06/05/2024 04:29	WG2298650
Ethylbenzene	0.0147		0.00110	0.00372	1	06/05/2024 04:29	WG2298650
Hexachloro-1,3-butadiene	U		0.00893	0.0372	1	06/05/2024 04:29	WG2298650
Isopropylbenzene	0.0118		0.000633	0.00372	1	06/05/2024 04:29	WG2298650
p-Isopropyltoluene	0.00738	J	0.00380	0.00744	1	06/05/2024 04:29	WG2298650
2-Butanone (MEK)	U		0.0945	0.149	1	06/05/2024 04:29	WG2298650
Methylene Chloride	U		0.00988	0.0372	1	06/05/2024 04:29	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00339	0.0372	1	06/05/2024 04:29	WG2298650
Methyl tert-butyl ether	U		0.000521	0.00149	1	06/05/2024 04:29	WG2298650
Naphthalene	0.0118	J	0.00726	0.0186	1	06/05/2024 04:29	WG2298650
n-Propylbenzene	0.0134		0.00141	0.00744	1	06/05/2024 04:29	WG2298650
Styrene	U		0.000341	0.0186	1	06/05/2024 04:29	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00141	0.00372	1	06/05/2024 04:29	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00103	0.00372	1	06/05/2024 04:29	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00112	0.00372	1	06/05/2024 04:29	WG2298650
Tetrachloroethene	U		0.00133	0.00372	1	06/05/2024 04:29	WG2298650
Toluene	0.00493	J	0.00194	0.00744	1	06/05/2024 04:29	WG2298650
1,2,3-Trichlorobenzene	U		0.0109	0.0186	1	06/05/2024 04:29	WG2298650
1,2,4-Trichlorobenzene	U		0.00655	0.0186	1	06/05/2024 04:29	WG2298650
1,1,1-Trichloroethane	U		0.00137	0.00372	1	06/05/2024 04:29	WG2298650
1,1,2-Trichloroethane	U		0.000889	0.00372	1	06/05/2024 04:29	WG2298650
Trichloroethene	U		0.000869	0.00149	1	06/05/2024 04:29	WG2298650
Trichlorofluoromethane	U		0.00123	0.00372	1	06/05/2024 04:29	WG2298650
1,2,3-Trichloropropane	U		0.00241	0.0186	1	06/05/2024 04:29	WG2298650
1,2,4-Trimethylbenzene	0.0341		0.00235	0.00744	1	06/05/2024 04:29	WG2298650
1,2,3-Trimethylbenzene	0.0213		0.00235	0.00744	1	06/05/2024 04:29	WG2298650
1,3,5-Trimethylbenzene	U		0.00298	0.00744	1	06/05/2024 04:29	WG2298650
Vinyl chloride	U		0.00173	0.00372	1	06/05/2024 04:29	WG2298650
Xylenes, Total	0.0469		0.00131	0.00968	1	06/05/2024 04:29	WG2298650
(S) Toluene-d8	*103*			*75.0-131*		*06/05/2024 04:29*	WG2298650
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/05/2024 04:29*	WG2298650
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/05/2024 04:29*	WG2298650

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0290	0.0834	2	06/08/2024 00:32	WG2300315
PCB 1221	U		0.0290	0.0834	2	06/08/2024 00:32	WG2300315
PCB 1232	U		0.0290	0.0834	2	06/08/2024 00:32	WG2300315
PCB 1242	U		0.0290	0.0834	2	06/08/2024 00:32	WG2300315
PCB 1248	U		0.0182	0.0417	2	06/08/2024 00:32	WG2300315
PCB 1254	U		0.0182	0.0417	2	06/08/2024 00:32	WG2300315
PCB 1260	U		0.0182	0.0417	2	06/08/2024 00:32	WG2300315
(S) Decachlorobiphenyl	*53.6*			*10.0-135*		*06/08/2024 00:32*	WG2300315

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*56.7*			*10.0-139*		*06/08/2024 00:32*	WG2300315

Sample Narrative:

L1741416-23 WG2300315: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0369	J	0.00661	0.0409	1	06/11/2024 02:16	WG2301591
Acenaphthylene	U		0.00576	0.0409	1	06/11/2024 02:16	WG2301591
Anthracene	U		0.00728	0.0409	1	06/11/2024 02:16	WG2301591
Benzidine	U		0.0768	2.05	1	06/11/2024 02:16	WG2301591
Benzo(a)anthracene	0.0205	J	0.00720	0.0409	1	06/11/2024 02:16	WG2301591
Benzo(b)fluoranthene	0.0285	J	0.00762	0.0409	1	06/11/2024 02:16	WG2301591
Benzo(k)fluoranthene	0.0107	J	0.00726	0.0409	1	06/11/2024 02:16	WG2301591
Benzo(g,h,i)perylene	0.0178	J	0.00747	0.0409	1	06/11/2024 02:16	WG2301591
Benzo(a)pyrene	0.0218	J	0.00760	0.0409	1	06/11/2024 02:16	WG2301591
Bis(2-chlorethoxy)methane	U		0.0123	0.409	1	06/11/2024 02:16	WG2301591
Bis(2-chloroethyl)ether	U		0.0135	0.409	1	06/11/2024 02:16	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0177	0.409	1	06/11/2024 02:16	WG2301591
4-Bromophenyl-phenylether	U		0.0144	0.409	1	06/11/2024 02:16	WG2301591
2-Chloronaphthalene	U		0.00718	0.0409	1	06/11/2024 02:16	WG2301591
4-Chlorophenyl-phenylether	U		0.0142	0.409	1	06/11/2024 02:16	WG2301591
Chrysene	0.0302	J	0.00812	0.0409	1	06/11/2024 02:16	WG2301591
Dibenz(a,h)anthracene	U		0.0113	0.0409	1	06/11/2024 02:16	WG2301591
1,2-Dichlorobenzene	U		0.0121	0.409	1	06/11/2024 02:16	WG2301591
1,3-Dichlorobenzene	U		0.0124	0.409	1	06/11/2024 02:16	WG2301591
1,4-Dichlorobenzene	U		0.0122	0.409	1	06/11/2024 02:16	WG2301591
3,3-Dichlorobenzidine	U		0.0151	0.409	1	06/11/2024 02:16	WG2301591
2,4-Dinitrotoluene	U		0.0117	0.409	1	06/11/2024 02:16	WG2301591
2,6-Dinitrotoluene	U		0.0134	0.409	1	06/11/2024 02:16	WG2301591
Fluoranthene	0.0420		0.00737	0.0409	1	06/11/2024 02:16	WG2301591
Fluorene	0.00983	J	0.00665	0.0409	1	06/11/2024 02:16	WG2301591
Hexachlorobenzene	U		0.0145	0.409	1	06/11/2024 02:16	WG2301591
Hexachloro-1,3-butadiene	U		0.0137	0.409	1	06/11/2024 02:16	WG2301591
Hexachlorocyclopentadiene	U		0.0215	0.409	1	06/11/2024 02:16	WG2301591
Hexachloroethane	U		0.0161	0.409	1	06/11/2024 02:16	WG2301591
Indeno(1,2,3-cd)pyrene	0.0148	J	0.0115	0.0409	1	06/11/2024 02:16	WG2301591
Isophorone	U		0.0125	0.409	1	06/11/2024 02:16	WG2301591
Naphthalene	U		0.0103	0.0409	1	06/11/2024 02:16	WG2301591
Nitrobenzene	U		0.0142	0.409	1	06/11/2024 02:16	WG2301591
n-Nitrosodimethylamine	U		0.0606	0.409	1	06/11/2024 02:16	WG2301591
n-Nitrosodiphenylamine	U		0.0309	0.409	1	06/11/2024 02:16	WG2301591
n-Nitrosodi-n-propylamine	U		0.0136	0.409	1	06/11/2024 02:16	WG2301591
Phenanthrene	0.0216	J	0.00811	0.0409	1	06/11/2024 02:16	WG2301591
Benzylbutyl phthalate	U		0.0128	0.409	1	06/11/2024 02:16	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0518	0.409	1	06/11/2024 02:16	WG2301591
Di-n-butyl phthalate	U		0.0140	0.409	1	06/11/2024 02:16	WG2301591
Diethyl phthalate	U		0.0135	0.409	1	06/11/2024 02:16	WG2301591
Dimethyl phthalate	U		0.0866	0.409	1	06/11/2024 02:16	WG2301591
Di-n-octyl phthalate	U		0.0276	0.409	1	06/11/2024 02:16	WG2301591
Pyrene	0.0547		0.00795	0.0409	1	06/11/2024 02:16	WG2301591
1,2,4-Trichlorobenzene	U		0.0128	0.409	1	06/11/2024 02:16	WG2301591
4-Chloro-3-methylphenol	U		0.0133	0.409	1	06/11/2024 02:16	WG2301591
2-Chlorophenol	U		0.0135	0.409	1	06/11/2024 02:16	WG2301591
2,4-Dichlorophenol	U		0.0119	0.409	1	06/11/2024 02:16	WG2301591

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0107	0.409	1	06/11/2024 02:16	WG2301591
4,6-Dinitro-2-methylphenol	U		0.0926	0.409	1	06/11/2024 02:16	WG2301591
2,4-Dinitrophenol	U		0.0956	0.409	1	06/11/2024 02:16	WG2301591
2-Nitrophenol	U		0.0146	0.409	1	06/11/2024 02:16	WG2301591
4-Nitrophenol	U		0.0128	0.409	1	06/11/2024 02:16	WG2301591
Pentachlorophenol	U		0.0110	0.409	1	06/11/2024 02:16	WG2301591
Phenol	U		0.0164	0.409	1	06/11/2024 02:16	WG2301591
2,4,6-Trichlorophenol	U		0.0131	0.409	1	06/11/2024 02:16	WG2301591
(S) 2-Fluorophenol	*59.9*			*12.0-120*		*06/11/2024 02:16*	WG2301591
(S) Phenol-d5	*50.0*			*10.0-120*		*06/11/2024 02:16*	WG2301591
(S) Nitrobenzene-d5	*48.9*			*10.0-122*		*06/11/2024 02:16*	WG2301591
(S) 2-Fluorobiphenyl	*55.4*			*15.0-120*		*06/11/2024 02:16*	WG2301591
(S) 2,4,6-Tribromophenol	*38.2*			*10.0-127*		*06/11/2024 02:16*	WG2301591
(S) p-Terphenyl-d14	*56.9*			*10.0-120*		*06/11/2024 02:16*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.9		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0591		0.0222	0.0494	1	06/03/2024 00:02	WG2296693

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.61	J	0.672	2.47	1	06/07/2024 19:30	WG2299109
Arsenic	4.53		0.640	2.47	1	06/07/2024 19:30	WG2299109
Barium	189		0.105	0.618	1	06/07/2024 19:30	WG2299109
Beryllium	0.258		0.0389	0.247	1	06/07/2024 19:30	WG2299109
Cadmium	0.344	J	0.0582	0.618	1	06/07/2024 19:30	WG2299109
Chromium	66.9		0.164	1.24	1	06/07/2024 19:30	WG2299109
Cobalt	13.1		0.100	1.24	1	06/07/2024 19:30	WG2299109
Copper	26.1		0.494	2.47	1	06/07/2024 19:30	WG2299109
Lead	21.3		0.257	0.618	1	06/07/2024 19:30	WG2299109
Molybdenum	0.254	J	0.135	0.618	1	06/07/2024 19:30	WG2299109
Nickel	66.8		0.163	2.47	1	06/07/2024 19:30	WG2299109
Selenium	U		0.944	2.47	1	06/07/2024 19:30	WG2299109
Silver	U		0.157	1.24	1	06/07/2024 19:30	WG2299109
Thallium	U		0.487	2.47	1	06/07/2024 19:30	WG2299109
Vanadium	56.4		0.625	2.47	1	06/07/2024 19:30	WG2299109
Zinc	57.3		1.03	6.18	1	06/07/2024 19:30	WG2299109

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.30	B	1.27	3.83	25	06/04/2024 06:58	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*		*06/04/2024 06:58*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0546	0.0748	1	06/05/2024 04:48	WG2298650
Acrylonitrile	U		0.00540	0.0187	1	06/05/2024 04:48	WG2298650
Benzene	0.00245		0.000698	0.00150	1	06/05/2024 04:48	WG2298650
Bromobenzene	U		0.00135	0.0187	1	06/05/2024 04:48	WG2298650
Bromodichloromethane	U		0.00108	0.00374	1	06/05/2024 04:48	WG2298650
Bromoform	U		0.00175	0.0374	1	06/05/2024 04:48	WG2298650
Bromomethane	U		0.00295	0.0187	1	06/05/2024 04:48	WG2298650
n-Butylbenzene	U		0.00785	0.0187	1	06/05/2024 04:48	WG2298650
sec-Butylbenzene	0.00434	J	0.00431	0.0187	1	06/05/2024 04:48	WG2298650
tert-Butylbenzene	U		0.00292	0.00748	1	06/05/2024 04:48	WG2298650
Carbon tetrachloride	U		0.00134	0.00748	1	06/05/2024 04:48	WG2298650
Chlorobenzene	U		0.000314	0.00374	1	06/05/2024 04:48	WG2298650
Chlorodibromomethane	U		0.000915	0.00374	1	06/05/2024 04:48	WG2298650
Chloroethane	U		0.00254	0.00748	1	06/05/2024 04:48	WG2298650
Chloroform	U		0.00154	0.00374	1	06/05/2024 04:48	WG2298650
Chloromethane	U		0.00651	0.0187	1	06/05/2024 04:48	WG2298650
2-Chlorotoluene	U		0.00129	0.00374	1	06/05/2024 04:48	WG2298650
4-Chlorotoluene	U		0.000673	0.00748	1	06/05/2024 04:48	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00583	0.0374	1	06/05/2024 04:48	WG2298650
1,2-Dibromoethane	U		0.000969	0.00374	1	06/05/2024 04:48	WG2298650
Dibromomethane	U		0.00112	0.00748	1	06/05/2024 04:48	WG2298650
1,2-Dichlorobenzene	U		0.000636	0.00748	1	06/05/2024 04:48	WG2298650
1,3-Dichlorobenzene	U		0.000897	0.00748	1	06/05/2024 04:48	WG2298650
1,4-Dichlorobenzene	U		0.00105	0.00748	1	06/05/2024 04:48	WG2298650
Dichlorodifluoromethane	U		0.00241	0.00748	1	06/05/2024 04:48	WG2298650
1,1-Dichloroethane	U		0.000734	0.00374	1	06/05/2024 04:48	WG2298650
1,2-Dichloroethane	U		0.000971	0.00374	1	06/05/2024 04:48	WG2298650
1,1-Dichloroethene	U		0.000906	0.00374	1	06/05/2024 04:48	WG2298650
cis-1,2-Dichloroethene	U		0.00110	0.00374	1	06/05/2024 04:48	WG2298650
trans-1,2-Dichloroethene	U		0.00156	0.00748	1	06/05/2024 04:48	WG2298650
1,2-Dichloropropane	U		0.00212	0.00748	1	06/05/2024 04:48	WG2298650
1,1-Dichloropropene	U		0.00121	0.00374	1	06/05/2024 04:48	WG2298650
1,3-Dichloropropane	U		0.000749	0.00748	1	06/05/2024 04:48	WG2298650
cis-1,3-Dichloropropene	U		0.00113	0.00374	1	06/05/2024 04:48	WG2298650
trans-1,3-Dichloropropene	U		0.00170	0.00748	1	06/05/2024 04:48	WG2298650
2,2-Dichloropropane	U		0.00206	0.00374	1	06/05/2024 04:48	WG2298650
Di-isopropyl ether	U		0.000613	0.00150	1	06/05/2024 04:48	WG2298650
Ethylbenzene	0.00156	J	0.00110	0.00374	1	06/05/2024 04:48	WG2298650
Hexachloro-1,3-butadiene	U		0.00897	0.0374	1	06/05/2024 04:48	WG2298650
Isopropylbenzene	0.00612		0.000636	0.00374	1	06/05/2024 04:48	WG2298650
p-Isopropyltoluene	U		0.00381	0.00748	1	06/05/2024 04:48	WG2298650
2-Butanone (MEK)	U		0.0950	0.150	1	06/05/2024 04:48	WG2298650
Methylene Chloride	U		0.00993	0.0374	1	06/05/2024 04:48	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00341	0.0374	1	06/05/2024 04:48	WG2298650
Methyl tert-butyl ether	U		0.000523	0.00150	1	06/05/2024 04:48	WG2298650
Naphthalene	U		0.00730	0.0187	1	06/05/2024 04:48	WG2298650
n-Propylbenzene	0.00775		0.00142	0.00748	1	06/05/2024 04:48	WG2298650
Styrene	U		0.000342	0.0187	1	06/05/2024 04:48	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00142	0.00374	1	06/05/2024 04:48	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00104	0.00374	1	06/05/2024 04:48	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00113	0.00374	1	06/05/2024 04:48	WG2298650
Tetrachloroethene	U		0.00134	0.00374	1	06/05/2024 04:48	WG2298650
Toluene	0.00232	J	0.00194	0.00748	1	06/05/2024 04:48	WG2298650
1,2,3-Trichlorobenzene	U		0.0110	0.0187	1	06/05/2024 04:48	WG2298650
1,2,4-Trichlorobenzene	U		0.00658	0.0187	1	06/05/2024 04:48	WG2298650
1,1,1-Trichloroethane	U		0.00138	0.00374	1	06/05/2024 04:48	WG2298650
1,1,2-Trichloroethane	U		0.000893	0.00374	1	06/05/2024 04:48	WG2298650
Trichloroethene	U		0.000873	0.00150	1	06/05/2024 04:48	WG2298650
Trichlorofluoromethane	U		0.00124	0.00374	1	06/05/2024 04:48	WG2298650
1,2,3-Trichloropropane	U		0.00242	0.0187	1	06/05/2024 04:48	WG2298650
1,2,4-Trimethylbenzene	0.00972		0.00236	0.00748	1	06/05/2024 04:48	WG2298650
1,2,3-Trimethylbenzene	U		0.00236	0.00748	1	06/05/2024 04:48	WG2298650
1,3,5-Trimethylbenzene	0.00316	J	0.00299	0.00748	1	06/05/2024 04:48	WG2298650
Vinyl chloride	U		0.00173	0.00374	1	06/05/2024 04:48	WG2298650
Xylenes, Total	0.00990		0.00132	0.00972	1	06/05/2024 04:48	WG2298650
(S) Toluene-d8	*104*			*75.0-131*		*06/05/2024 04:48*	WG2298650
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 04:48*	WG2298650
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/05/2024 04:48*	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3.00	J	0.906	4.94	1	06/06/2024 20:18	WG2299541
C22-C32 Hydrocarbons	4.53	J	1.64	4.94	1	06/06/2024 20:18	WG2299541
C32-C40 Hydrocarbons	U		1.64	4.94	1	06/06/2024 20:18	WG2299541
(S) o-Terphenyl	*47.4*			*18.0-148*		*06/06/2024 20:18*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00666	0.0411	1	06/11/2024 02:37	WG2301591
Acenaphthylene	U		0.00579	0.0411	1	06/11/2024 02:37	WG2301591
Anthracene	U		0.00733	0.0411	1	06/11/2024 02:37	WG2301591
Benzidine	U		0.0773	2.06	1	06/11/2024 02:37	WG2301591
Benzo(a)anthracene	0.00766	J	0.00725	0.0411	1	06/11/2024 02:37	WG2301591
Benzo(b)fluoranthene	0.00960	J	0.00767	0.0411	1	06/11/2024 02:37	WG2301591
Benzo(k)fluoranthene	U		0.00731	0.0411	1	06/11/2024 02:37	WG2301591
Benzo(g,h,i)perylene	U		0.00752	0.0411	1	06/11/2024 02:37	WG2301591
Benzo(a)pyrene	U		0.00765	0.0411	1	06/11/2024 02:37	WG2301591
Bis(2-chlorethoxy)methane	U		0.0124	0.411	1	06/11/2024 02:37	WG2301591
Bis(2-chloroethyl)ether	U		0.0136	0.411	1	06/11/2024 02:37	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0178	0.411	1	06/11/2024 02:37	WG2301591
4-Bromophenyl-phenylether	U		0.0145	0.411	1	06/11/2024 02:37	WG2301591
2-Chloronaphthalene	U		0.00723	0.0411	1	06/11/2024 02:37	WG2301591
4-Chlorophenyl-phenylether	U		0.0143	0.411	1	06/11/2024 02:37	WG2301591
Chrysene	0.0103	J	0.00818	0.0411	1	06/11/2024 02:37	WG2301591
Dibenz(a,h)anthracene	U		0.0114	0.0411	1	06/11/2024 02:37	WG2301591
1,2-Dichlorobenzene	U		0.0122	0.411	1	06/11/2024 02:37	WG2301591
1,3-Dichlorobenzene	U		0.0125	0.411	1	06/11/2024 02:37	WG2301591
1,4-Dichlorobenzene	U		0.0122	0.411	1	06/11/2024 02:37	WG2301591
3,3-Dichlorobenzidine	U		0.0152	0.411	1	06/11/2024 02:37	WG2301591
2,4-Dinitrotoluene	U		0.0118	0.411	1	06/11/2024 02:37	WG2301591
2,6-Dinitrotoluene	U		0.0135	0.411	1	06/11/2024 02:37	WG2301591
Fluoranthene	0.0101	J	0.00742	0.0411	1	06/11/2024 02:37	WG2301591
Fluorene	U		0.00670	0.0411	1	06/11/2024 02:37	WG2301591
Hexachlorobenzene	U		0.0146	0.411	1	06/11/2024 02:37	WG2301591
Hexachloro-1,3-butadiene	U		0.0138	0.411	1	06/11/2024 02:37	WG2301591
Hexachlorocyclopentadiene	U		0.0216	0.411	1	06/11/2024 02:37	WG2301591
Hexachloroethane	U		0.0162	0.411	1	06/11/2024 02:37	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0116	0.0411	1	06/11/2024 02:37	WG2301591
Isophorone	U		0.0126	0.411	1	06/11/2024 02:37	WG2301591
Naphthalene	U		0.0103	0.0411	1	06/11/2024 02:37	WG2301591
Nitrobenzene	U		0.0143	0.411	1	06/11/2024 02:37	WG2301591
n-Nitrosodimethylamine	U		0.0610	0.411	1	06/11/2024 02:37	WG2301591
n-Nitrosodiphenylamine	U		0.0311	0.411	1	06/11/2024 02:37	WG2301591
n-Nitrosodi-n-propylamine	U		0.0137	0.411	1	06/11/2024 02:37	WG2301591
Phenanthrene	U		0.00817	0.0411	1	06/11/2024 02:37	WG2301591
Benzylbutyl phthalate	U		0.0128	0.411	1	06/11/2024 02:37	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0521	0.411	1	06/11/2024 02:37	WG2301591
Di-n-butyl phthalate	U		0.0141	0.411	1	06/11/2024 02:37	WG2301591
Diethyl phthalate	U		0.0136	0.411	1	06/11/2024 02:37	WG2301591
Dimethyl phthalate	U		0.0872	0.411	1	06/11/2024 02:37	WG2301591
Di-n-octyl phthalate	U		0.0278	0.411	1	06/11/2024 02:37	WG2301591
Pyrene	0.0143	J	0.00801	0.0411	1	06/11/2024 02:37	WG2301591
1,2,4-Trichlorobenzene	U		0.0128	0.411	1	06/11/2024 02:37	WG2301591
4-Chloro-3-methylphenol	U		0.0133	0.411	1	06/11/2024 02:37	WG2301591
2-Chlorophenol	U		0.0136	0.411	1	06/11/2024 02:37	WG2301591
2,4-Dichlorophenol	U		0.0120	0.411	1	06/11/2024 02:37	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0107	0.411	1	06/11/2024 02:37	WG2301591
4,6-Dinitro-2-methylphenol	U		0.0933	0.411	1	06/11/2024 02:37	WG2301591
2,4-Dinitrophenol	U		0.0962	0.411	1	06/11/2024 02:37	WG2301591
2-Nitrophenol	U		0.0147	0.411	1	06/11/2024 02:37	WG2301591
4-Nitrophenol	U		0.0128	0.411	1	06/11/2024 02:37	WG2301591
Pentachlorophenol	U		0.0111	0.411	1	06/11/2024 02:37	WG2301591
Phenol	U		0.0166	0.411	1	06/11/2024 02:37	WG2301591
2,4,6-Trichlorophenol	U		0.0132	0.411	1	06/11/2024 02:37	WG2301591
(S) 2-Fluorophenol	*57.6*			*12.0-120*		*06/11/2024 02:37*	WG2301591
(S) Phenol-d5	*50.2*			*10.0-120*		*06/11/2024 02:37*	WG2301591
(S) Nitrobenzene-d5	*48.9*			*10.0-122*		*06/11/2024 02:37*	WG2301591
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*		*06/11/2024 02:37*	WG2301591
(S) 2,4,6-Tribromophenol	*37.7*			*10.0-127*		*06/11/2024 02:37*	WG2301591
(S) p-Terphenyl-d14	*54.1*			*10.0-120*		*06/11/2024 02:37*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.7		1	06/01/2024 10:49	WG2296617

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.86	B J	1.36	4.09	25	06/04/2024 07:18	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*06/04/2024 07:18*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0604	0.0827	1	06/05/2024 05:07	WG2298650
Acrylonitrile	U		0.00597	0.0207	1	06/05/2024 05:07	WG2298650
Benzene	U		0.000773	0.00165	1	06/05/2024 05:07	WG2298650
Bromobenzene	U		0.00149	0.0207	1	06/05/2024 05:07	WG2298650
Bromodichloromethane	U		0.00120	0.00414	1	06/05/2024 05:07	WG2298650
Bromoform	U		0.00194	0.0414	1	06/05/2024 05:07	WG2298650
Bromomethane	U		0.00326	0.0207	1	06/05/2024 05:07	WG2298650
n-Butylbenzene	U		0.00869	0.0207	1	06/05/2024 05:07	WG2298650
sec-Butylbenzene	U		0.00476	0.0207	1	06/05/2024 05:07	WG2298650
tert-Butylbenzene	U		0.00323	0.00827	1	06/05/2024 05:07	WG2298650
Carbon tetrachloride	U		0.00149	0.00827	1	06/05/2024 05:07	WG2298650
Chlorobenzene	U		0.000347	0.00414	1	06/05/2024 05:07	WG2298650
Chlorodibromomethane	U		0.00101	0.00414	1	06/05/2024 05:07	WG2298650
Chloroethane	U		0.00281	0.00827	1	06/05/2024 05:07	WG2298650
Chloroform	U		0.00170	0.00414	1	06/05/2024 05:07	WG2298650
Chloromethane	U		0.00720	0.0207	1	06/05/2024 05:07	WG2298650
2-Chlorotoluene	U		0.00143	0.00414	1	06/05/2024 05:07	WG2298650
4-Chlorotoluene	U		0.000744	0.00827	1	06/05/2024 05:07	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00645	0.0414	1	06/05/2024 05:07	WG2298650
1,2-Dibromoethane	U		0.00107	0.00414	1	06/05/2024 05:07	WG2298650
Dibromomethane	U		0.00124	0.00827	1	06/05/2024 05:07	WG2298650
1,2-Dichlorobenzene	U		0.000703	0.00827	1	06/05/2024 05:07	WG2298650
1,3-Dichlorobenzene	U		0.000993	0.00827	1	06/05/2024 05:07	WG2298650
1,4-Dichlorobenzene	U		0.00116	0.00827	1	06/05/2024 05:07	WG2298650
Dichlorodifluoromethane	U		0.00266	0.00827	1	06/05/2024 05:07	WG2298650
1,1-Dichloroethane	U		0.000812	0.00414	1	06/05/2024 05:07	WG2298650
1,2-Dichloroethane	U		0.00107	0.00414	1	06/05/2024 05:07	WG2298650
1,1-Dichloroethene	U		0.00100	0.00414	1	06/05/2024 05:07	WG2298650
cis-1,2-Dichloroethene	U		0.00121	0.00414	1	06/05/2024 05:07	WG2298650
trans-1,2-Dichloroethene	U		0.00172	0.00827	1	06/05/2024 05:07	WG2298650
1,2-Dichloropropane	U		0.00235	0.00827	1	06/05/2024 05:07	WG2298650
1,1-Dichloropropene	U		0.00134	0.00414	1	06/05/2024 05:07	WG2298650
1,3-Dichloropropane	U		0.000829	0.00827	1	06/05/2024 05:07	WG2298650
cis-1,3-Dichloropropene	U		0.00125	0.00414	1	06/05/2024 05:07	WG2298650
trans-1,3-Dichloropropene	U		0.00189	0.00827	1	06/05/2024 05:07	WG2298650
2,2-Dichloropropane	U		0.00228	0.00414	1	06/05/2024 05:07	WG2298650
Di-isopropyl ether	U		0.000678	0.00165	1	06/05/2024 05:07	WG2298650
Ethylbenzene	U		0.00122	0.00414	1	06/05/2024 05:07	WG2298650
Hexachloro-1,3-butadiene	U		0.00993	0.0414	1	06/05/2024 05:07	WG2298650
Isopropylbenzene	U		0.000703	0.00414	1	06/05/2024 05:07	WG2298650
p-Isopropyltoluene	U		0.00422	0.00827	1	06/05/2024 05:07	WG2298650
2-Butanone (MEK)	U		0.105	0.165	1	06/05/2024 05:07	WG2298650
Methylene Chloride	U		0.0110	0.0414	1	06/05/2024 05:07	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00377	0.0414	1	06/05/2024 05:07	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000579	0.00165	1	06/05/2024 05:07	WG2298650
Naphthalene	U		0.00807	0.0207	1	06/05/2024 05:07	WG2298650
n-Propylbenzene	U		0.00157	0.00827	1	06/05/2024 05:07	WG2298650
Styrene	U		0.000379	0.0207	1	06/05/2024 05:07	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00157	0.00414	1	06/05/2024 05:07	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00115	0.00414	1	06/05/2024 05:07	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00125	0.00414	1	06/05/2024 05:07	WG2298650
Tetrachloroethene	U		0.00148	0.00414	1	06/05/2024 05:07	WG2298650
Toluene	U		0.00215	0.00827	1	06/05/2024 05:07	WG2298650
1,2,3-Trichlorobenzene	U		0.0121	0.0207	1	06/05/2024 05:07	WG2298650
1,2,4-Trichlorobenzene	U		0.00728	0.0207	1	06/05/2024 05:07	WG2298650
1,1,1-Trichloroethane	U		0.00153	0.00414	1	06/05/2024 05:07	WG2298650
1,1,2-Trichloroethane	U		0.000988	0.00414	1	06/05/2024 05:07	WG2298650
Trichloroethene	U		0.000966	0.00165	1	06/05/2024 05:07	WG2298650
Trichlorofluoromethane	U		0.00137	0.00414	1	06/05/2024 05:07	WG2298650
1,2,3-Trichloropropane	U		0.00268	0.0207	1	06/05/2024 05:07	WG2298650
1,2,4-Trimethylbenzene	U		0.00261	0.00827	1	06/05/2024 05:07	WG2298650
1,2,3-Trimethylbenzene	U		0.00261	0.00827	1	06/05/2024 05:07	WG2298650
1,3,5-Trimethylbenzene	U		0.00331	0.00827	1	06/05/2024 05:07	WG2298650
Vinyl chloride	U		0.00192	0.00414	1	06/05/2024 05:07	WG2298650
Xylenes, Total	U		0.00146	0.0108	1	06/05/2024 05:07	WG2298650
(S) Toluene-d8	*106*			*75.0-131*		*06/05/2024 05:07*	WG2298650
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 05:07*	WG2298650
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/05/2024 05:07*	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.944	5.15	1	06/06/2024 18:54	WG2299541
C22-C32 Hydrocarbons	U		1.71	5.15	1	06/06/2024 18:54	WG2299541
C32-C40 Hydrocarbons	U		1.71	5.15	1	06/06/2024 18:54	WG2299541
(S) o-Terphenyl	*64.4*			*18.0-148*		*06/06/2024 18:54*	WG2299541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	06/01/2024 10:49	WG2296617

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.105		0.0196	0.0436	1	06/03/2024 00:05	WG2296693

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	26.6		0.593	2.18	1	06/07/2024 17:35	WG2299109
Arsenic	5.43		0.565	2.18	1	06/07/2024 17:35	WG2299109
Barium	492		0.0930	0.545	1	06/07/2024 17:35	WG2299109
Beryllium	0.645		0.0344	0.218	1	06/07/2024 17:35	WG2299109
Cadmium	25.7		0.0514	0.545	1	06/07/2024 17:35	WG2299109
Chromium	50.4		0.145	1.09	1	06/07/2024 17:35	WG2299109
Cobalt	7.12		0.0885	1.09	1	06/07/2024 17:35	WG2299109
Copper	202		0.436	2.18	1	06/07/2024 17:35	WG2299109
Lead	6190		0.227	0.545	1	06/07/2024 17:35	WG2299109
Molybdenum	5.64		0.119	0.545	1	06/07/2024 17:35	WG2299109
Nickel	40.8		0.144	2.18	1	06/07/2024 17:35	WG2299109
Selenium	U		0.834	2.18	1	06/07/2024 17:35	WG2299109
Silver	1.99	B	0.139	1.09	1	06/07/2024 17:35	WG2299109
Thallium	U		0.430	2.18	1	06/08/2024 18:05	WG2299109
Vanadium	14.6		0.552	2.18	1	06/08/2024 18:05	WG2299109
Zinc	5690		4.54	27.3	5	06/08/2024 17:58	WG2299109

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0371	1	06/06/2024 00:24	WG2298713
PCB 1221	U		0.0129	0.0371	1	06/06/2024 00:24	WG2298713
PCB 1232	U		0.0129	0.0371	1	06/06/2024 00:24	WG2298713
PCB 1242	U		0.0129	0.0371	1	06/06/2024 00:24	WG2298713
PCB 1248	U		0.00805	0.0185	1	06/06/2024 00:24	WG2298713
PCB 1254	U		0.00805	0.0185	1	06/06/2024 00:24	WG2298713
PCB 1260	0.0442		0.00805	0.0185	1	06/06/2024 00:24	WG2298713
(S) Decachlorobiphenyl	*94.0*			*10.0-135*		*06/06/2024 00:24*	WG2298713
(S) Tetrachloro-m-xylene	*87.2*			*10.0-139*		*06/06/2024 00:24*	WG2298713

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0118	0.0727	2	06/06/2024 23:15	WG2299140
Acenaphthylene	U		0.0102	0.0727	2	06/06/2024 23:15	WG2299140
Anthracene	0.0144	J	0.0130	0.0727	2	06/06/2024 23:15	WG2299140
Benzidine	U		0.136	3.64	2	06/06/2024 23:15	WG2299140
Benzo(a)anthracene	0.0538	J	0.0128	0.0727	2	06/06/2024 23:15	WG2299140
Benzo(b)fluoranthene	0.0986		0.0135	0.0727	2	06/06/2024 23:15	WG2299140
Benzo(k)fluoranthene	0.0321	J	0.0129	0.0727	2	06/06/2024 23:15	WG2299140
Benzo(g,h,i)perylene	0.0406	J	0.0133	0.0727	2	06/06/2024 23:15	WG2299140
Benzo(a)pyrene	0.0526	J	0.0135	0.0727	2	06/06/2024 23:15	WG2299140
Bis(2-chlorethoxy)methane	U		0.0218	0.727	2	06/06/2024 23:15	WG2299140
Bis(2-chloroethyl)ether	U		0.0240	0.727	2	06/06/2024 23:15	WG2299140

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0314	0.727	2	06/06/2024 23:15	WG2299140
4-Bromophenyl-phenylether	U		0.0255	0.727	2	06/06/2024 23:15	WG2299140
2-Chloronaphthalene	U		0.0128	0.0727	2	06/06/2024 23:15	WG2299140
4-Chlorophenyl-phenylether	U		0.0253	0.727	2	06/06/2024 23:15	WG2299140
Chrysene	0.0532	J	0.0144	0.0727	2	06/06/2024 23:15	WG2299140
Dibenz(a,h)anthracene	U		0.0202	0.0727	2	06/06/2024 23:15	WG2299140
1,2-Dichlorobenzene	U		0.0215	0.727	2	06/06/2024 23:15	WG2299140
1,3-Dichlorobenzene	U		0.0220	0.727	2	06/06/2024 23:15	WG2299140
1,4-Dichlorobenzene	U		0.0216	0.727	2	06/06/2024 23:15	WG2299140
3,3-Dichlorobenzidine	U		0.0268	0.727	2	06/06/2024 23:15	WG2299140
2,4-Dinitrotoluene	U		0.0208	0.727	2	06/06/2024 23:15	WG2299140
2,6-Dinitrotoluene	U		0.0238	0.727	2	06/06/2024 23:15	WG2299140
Fluoranthene	0.0909		0.0131	0.0727	2	06/06/2024 23:15	WG2299140
Fluorene	U		0.0118	0.0727	2	06/06/2024 23:15	WG2299140
Hexachlorobenzene	U		0.0257	0.727	2	06/06/2024 23:15	WG2299140
Hexachloro-1,3-butadiene	U		0.0244	0.727	2	06/06/2024 23:15	WG2299140
Hexachlorocyclopentadiene	U		0.0382	0.727	2	06/06/2024 23:15	WG2299140
Hexachloroethane	U		0.0286	0.727	2	06/06/2024 23:15	WG2299140
Indeno(1,2,3-cd)pyrene	0.0361	J	0.0205	0.0727	2	06/06/2024 23:15	WG2299140
Isophorone	U		0.0223	0.727	2	06/06/2024 23:15	WG2299140
Naphthalene	0.0389	J	0.0182	0.0727	2	06/06/2024 23:15	WG2299140
Nitrobenzene	U		0.0253	0.727	2	06/06/2024 23:15	WG2299140
n-Nitrosodimethylamine	U		0.108	0.727	2	06/06/2024 23:15	WG2299140
n-Nitrosodiphenylamine	U		0.0550	0.727	2	06/06/2024 23:15	WG2299140
n-Nitrosodi-n-propylamine	U		0.0242	0.727	2	06/06/2024 23:15	WG2299140
Phenanthrene	0.0694	J	0.0144	0.0727	2	06/06/2024 23:15	WG2299140
Benzylbutyl phthalate	U		0.0227	0.727	2	06/06/2024 23:15	WG2299140
Bis(2-ethylhexyl)phthalate	U		0.0921	0.727	2	06/06/2024 23:15	WG2299140
Di-n-butyl phthalate	U		0.0249	0.727	2	06/06/2024 23:15	WG2299140
Diethyl phthalate	U		0.0240	0.727	2	06/06/2024 23:15	WG2299140
Dimethyl phthalate	U		0.154	0.727	2	06/06/2024 23:15	WG2299140
Di-n-octyl phthalate	U		0.0491	0.727	2	06/06/2024 23:15	WG2299140
Pyrene	0.0781		0.0142	0.0727	2	06/06/2024 23:15	WG2299140
1,2,4-Trichlorobenzene	U		0.0227	0.727	2	06/06/2024 23:15	WG2299140
4-Chloro-3-methylphenol	U		0.0236	0.727	2	06/06/2024 23:15	WG2299140
2-Chlorophenol	U		0.0240	0.727	2	06/06/2024 23:15	WG2299140
2,4-Dichlorophenol	U		0.0212	0.727	2	06/06/2024 23:15	WG2299140
2,4-Dimethylphenol	U		0.0190	0.727	2	06/06/2024 23:15	WG2299140
4,6-Dinitro-2-methylphenol	U		0.165	0.727	2	06/06/2024 23:15	WG2299140
2,4-Dinitrophenol	U		0.170	0.727	2	06/06/2024 23:15	WG2299140
2-Nitrophenol	U		0.0260	0.727	2	06/06/2024 23:15	WG2299140
4-Nitrophenol	U		0.0227	0.727	2	06/06/2024 23:15	WG2299140
Pentachlorophenol	U		0.0195	0.727	2	06/06/2024 23:15	WG2299140
Phenol	U		0.0292	0.727	2	06/06/2024 23:15	WG2299140
2,4,6-Trichlorophenol	U		0.0233	0.727	2	06/06/2024 23:15	WG2299140
(S) 2-Fluorophenol	*71.1*			*12.0-120*		*06/06/2024 23:15*	WG2299140
(S) Phenol-d5	*64.4*			*10.0-120*		*06/06/2024 23:15*	WG2299140
(S) Nitrobenzene-d5	*68.9*			*10.0-122*		*06/06/2024 23:15*	WG2299140
(S) 2-Fluorobiphenyl	*67.1*			*15.0-120*		*06/06/2024 23:15*	WG2299140
(S) 2,4,6-Tribromophenol	*70.0*			*10.0-127*		*06/06/2024 23:15*	WG2299140
(S) p-Terphenyl-d14	*62.2*			*10.0-120*		*06/06/2024 23:15*	WG2299140

Sample Narrative:

L1741416-27 WG2299140: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	06/01/2024 10:34	WG2296618

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.630		0.0213	0.0473	1	06/03/2024 00:07	WG2296693

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	11.5		0.644	2.37	1	06/07/2024 17:38	WG2299109
Arsenic	5.76		0.613	2.37	1	06/07/2024 17:38	WG2299109
Barium	170		0.101	0.591	1	06/07/2024 17:38	WG2299109
Beryllium	0.343		0.0373	0.237	1	06/07/2024 17:38	WG2299109
Cadmium	9.05		0.0557	0.591	1	06/07/2024 17:38	WG2299109
Chromium	39.1		0.157	1.18	1	06/07/2024 17:38	WG2299109
Cobalt	7.71		0.0959	1.18	1	06/07/2024 17:38	WG2299109
Copper	165		0.473	2.37	1	06/07/2024 17:38	WG2299109
Lead	2500		0.246	0.591	1	06/07/2024 17:38	WG2299109
Molybdenum	1.49		0.129	0.591	1	06/07/2024 17:38	WG2299109
Nickel	29.9		0.156	2.37	1	06/07/2024 17:38	WG2299109
Selenium	U		0.904	2.37	1	06/07/2024 17:38	WG2299109
Silver	1.61	B	0.150	1.18	1	06/07/2024 17:38	WG2299109
Thallium	U		2.33	11.8	5	06/08/2024 18:00	WG2299109
Vanadium	45.4		0.599	2.37	1	06/07/2024 17:38	WG2299109
Zinc	2720		4.92	29.6	5	06/08/2024 18:00	WG2299109

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0513	0.0703	1	06/05/2024 05:26	WG2298650
Acrylonitrile	U		0.00508	0.0176	1	06/05/2024 05:26	WG2298650
Benzene	0.000865	J	0.000657	0.00141	1	06/05/2024 05:26	WG2298650
Bromobenzene	U		0.00127	0.0176	1	06/05/2024 05:26	WG2298650
Bromodichloromethane	U		0.00102	0.00352	1	06/05/2024 05:26	WG2298650
Bromoform	U		0.00165	0.0352	1	06/05/2024 05:26	WG2298650
Bromomethane	U		0.00277	0.0176	1	06/05/2024 05:26	WG2298650
n-Butylbenzene	U		0.00739	0.0176	1	06/05/2024 05:26	WG2298650
sec-Butylbenzene	U		0.00405	0.0176	1	06/05/2024 05:26	WG2298650
tert-Butylbenzene	U		0.00274	0.00703	1	06/05/2024 05:26	WG2298650
Carbon tetrachloride	U		0.00126	0.00703	1	06/05/2024 05:26	WG2298650
Chlorobenzene	U		0.000295	0.00352	1	06/05/2024 05:26	WG2298650
Chlorodibromomethane	U		0.000861	0.00352	1	06/05/2024 05:26	WG2298650
Chloroethane	U		0.00239	0.00703	1	06/05/2024 05:26	WG2298650
Chloroform	U		0.00145	0.00352	1	06/05/2024 05:26	WG2298650
Chloromethane	U		0.00612	0.0176	1	06/05/2024 05:26	WG2298650
2-Chlorotoluene	U		0.00122	0.00352	1	06/05/2024 05:26	WG2298650
4-Chlorotoluene	U		0.000633	0.00703	1	06/05/2024 05:26	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00549	0.0352	1	06/05/2024 05:26	WG2298650
1,2-Dibromoethane	U		0.000912	0.00352	1	06/05/2024 05:26	WG2298650
Dibromomethane	U		0.00106	0.00703	1	06/05/2024 05:26	WG2298650
1,2-Dichlorobenzene	U		0.000598	0.00703	1	06/05/2024 05:26	WG2298650
1,3-Dichlorobenzene	U		0.000844	0.00703	1	06/05/2024 05:26	WG2298650
1,4-Dichlorobenzene	U		0.000985	0.00703	1	06/05/2024 05:26	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00226	0.00703	1	06/05/2024 05:26	WG2298650
1,1-Dichloroethane	U		0.000691	0.00352	1	06/05/2024 05:26	WG2298650
1,2-Dichloroethane	U		0.000913	0.00352	1	06/05/2024 05:26	WG2298650
1,1-Dichloroethene	0.000865	J	0.000852	0.00352	1	06/05/2024 05:26	WG2298650
cis-1,2-Dichloroethene	U		0.00103	0.00352	1	06/05/2024 05:26	WG2298650
trans-1,2-Dichloroethene	U		0.00146	0.00703	1	06/05/2024 05:26	WG2298650
1,2-Dichloropropane	U		0.00200	0.00703	1	06/05/2024 05:26	WG2298650
1,1-Dichloropropene	U		0.00114	0.00352	1	06/05/2024 05:26	WG2298650
1,3-Dichloropropane	U		0.000705	0.00703	1	06/05/2024 05:26	WG2298650
cis-1,3-Dichloropropene	U		0.00106	0.00352	1	06/05/2024 05:26	WG2298650
trans-1,3-Dichloropropene	U		0.00160	0.00703	1	06/05/2024 05:26	WG2298650
2,2-Dichloropropane	U		0.00194	0.00352	1	06/05/2024 05:26	WG2298650
Di-isopropyl ether	U		0.000577	0.00141	1	06/05/2024 05:26	WG2298650
Ethylbenzene	0.00127	J	0.00104	0.00352	1	06/05/2024 05:26	WG2298650
Hexachloro-1,3-butadiene	U		0.00844	0.0352	1	06/05/2024 05:26	WG2298650
Isopropylbenzene	0.00121	J	0.000598	0.00352	1	06/05/2024 05:26	WG2298650
p-Isopropyltoluene	U		0.00359	0.00703	1	06/05/2024 05:26	WG2298650
2-Butanone (MEK)	U		0.0893	0.141	1	06/05/2024 05:26	WG2298650
Methylene Chloride	U		0.00934	0.0352	1	06/05/2024 05:26	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00321	0.0352	1	06/05/2024 05:26	WG2298650
Methyl tert-butyl ether	U		0.000492	0.00141	1	06/05/2024 05:26	WG2298650
Naphthalene	0.0117	J	0.00687	0.0176	1	06/05/2024 05:26	WG2298650
n-Propylbenzene	U		0.00134	0.00703	1	06/05/2024 05:26	WG2298650
Styrene	U		0.000322	0.0176	1	06/05/2024 05:26	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00133	0.00352	1	06/05/2024 05:26	WG2298650
1,1,2,2-Tetrachloroethane	U		0.000978	0.00352	1	06/05/2024 05:26	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00352	1	06/05/2024 05:26	WG2298650
Tetrachloroethene	0.00779		0.00126	0.00352	1	06/05/2024 05:26	WG2298650
Toluene	0.00582	J	0.00183	0.00703	1	06/05/2024 05:26	WG2298650
1,2,3-Trichlorobenzene	U		0.0103	0.0176	1	06/05/2024 05:26	WG2298650
1,2,4-Trichlorobenzene	U		0.00619	0.0176	1	06/05/2024 05:26	WG2298650
1,1,1-Trichloroethane	0.0734		0.00130	0.00352	1	06/05/2024 05:26	WG2298650
1,1,2-Trichloroethane	U		0.000840	0.00352	1	06/05/2024 05:26	WG2298650
Trichloroethene	U		0.000822	0.00141	1	06/05/2024 05:26	WG2298650
Trichlorofluoromethane	U		0.00116	0.00352	1	06/05/2024 05:26	WG2298650
1,2,3-Trichloropropane	U		0.00228	0.0176	1	06/05/2024 05:26	WG2298650
1,2,4-Trimethylbenzene	0.00758		0.00222	0.00703	1	06/05/2024 05:26	WG2298650
1,2,3-Trimethylbenzene	0.00626	J	0.00222	0.00703	1	06/05/2024 05:26	WG2298650
1,3,5-Trimethylbenzene	U		0.00281	0.00703	1	06/05/2024 05:26	WG2298650
Vinyl chloride	U		0.00163	0.00352	1	06/05/2024 05:26	WG2298650
Xylenes, Total	0.0160		0.00124	0.00914	1	06/05/2024 05:26	WG2298650
(S) Toluene-d8	*104*			*75.0-131*		*06/05/2024 05:26*	WG2298650
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 05:26*	WG2298650
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*06/05/2024 05:26*	WG2298650

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0140	0.0402	1	06/20/2024 02:07	WG2307723
PCB 1221	U		0.0140	0.0402	1	06/20/2024 02:07	WG2307723
PCB 1232	U		0.0140	0.0402	1	06/20/2024 02:07	WG2307723
PCB 1242	U		0.0140	0.0402	1	06/20/2024 02:07	WG2307723
PCB 1248	U		0.00873	0.0201	1	06/20/2024 02:07	WG2307723
PCB 1254	U		0.00873	0.0201	1	06/20/2024 02:07	WG2307723
PCB 1260	0.0331		0.00873	0.0201	1	06/20/2024 02:07	WG2307723
(S) Decachlorobiphenyl	*81.6*			*10.0-135*		*06/20/2024 02:07*	WG2307723

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*65.0*			*10.0-139*		*06/20/2024 02:07*	WG2307723

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0536	J	0.0128	0.0788	2	06/11/2024 03:39	WG2301591
Acenaphthylene	0.0259	J	0.0111	0.0788	2	06/11/2024 03:39	WG2301591
Anthracene	0.187		0.0141	0.0788	2	06/11/2024 03:39	WG2301591
Benzidine	U		0.148	3.95	2	06/11/2024 03:39	WG2301591
Benzo(a)anthracene	0.654		0.0138	0.0788	2	06/11/2024 03:39	WG2301591
Benzo(b)fluoranthene	0.926		0.0147	0.0788	2	06/11/2024 03:39	WG2301591
Benzo(k)fluoranthene	0.304		0.0140	0.0788	2	06/11/2024 03:39	WG2301591
Benzo(g,h,i)perylene	0.440		0.0144	0.0788	2	06/11/2024 03:39	WG2301591
Benzo(a)pyrene	0.672		0.0147	0.0788	2	06/11/2024 03:39	WG2301591
Bis(2-chlorethoxy)methane	U		0.0237	0.788	2	06/11/2024 03:39	WG2301591
Bis(2-chloroethyl)ether	U		0.0260	0.788	2	06/11/2024 03:39	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0341	0.788	2	06/11/2024 03:39	WG2301591
4-Bromophenyl-phenylether	U		0.0277	0.788	2	06/11/2024 03:39	WG2301591
2-Chloronaphthalene	U		0.0138	0.0788	2	06/11/2024 03:39	WG2301591
4-Chlorophenyl-phenylether	U		0.0274	0.788	2	06/11/2024 03:39	WG2301591
Chrysene	0.731		0.0156	0.0788	2	06/11/2024 03:39	WG2301591
Dibenz(a,h)anthracene	0.116		0.0219	0.0788	2	06/11/2024 03:39	WG2301591
1,2-Dichlorobenzene	U		0.0233	0.788	2	06/11/2024 03:39	WG2301591
1,3-Dichlorobenzene	U		0.0239	0.788	2	06/11/2024 03:39	WG2301591
1,4-Dichlorobenzene	U		0.0234	0.788	2	06/11/2024 03:39	WG2301591
3,3-Dichlorobenzidine	U		0.0291	0.788	2	06/11/2024 03:39	WG2301591
2,4-Dinitrotoluene	U		0.0226	0.788	2	06/11/2024 03:39	WG2301591
2,6-Dinitrotoluene	U		0.0258	0.788	2	06/11/2024 03:39	WG2301591
Fluoranthene	1.08		0.0142	0.0788	2	06/11/2024 03:39	WG2301591
Fluorene	0.0510	J	0.0128	0.0788	2	06/11/2024 03:39	WG2301591
Hexachlorobenzene	U		0.0279	0.788	2	06/11/2024 03:39	WG2301591
Hexachloro-1,3-butadiene	U		0.0265	0.788	2	06/11/2024 03:39	WG2301591
Hexachlorocyclopentadiene	U		0.0414	0.788	2	06/11/2024 03:39	WG2301591
Hexachloroethane	U		0.0310	0.788	2	06/11/2024 03:39	WG2301591
Indeno(1,2,3-cd)pyrene	0.461		0.0222	0.0788	2	06/11/2024 03:39	WG2301591
Isophorone	U		0.0241	0.788	2	06/11/2024 03:39	WG2301591
Naphthalene	0.0699	J	0.0198	0.0788	2	06/11/2024 03:39	WG2301591
Nitrobenzene	U		0.0274	0.788	2	06/11/2024 03:39	WG2301591
n-Nitrosodimethylamine	U		0.117	0.788	2	06/11/2024 03:39	WG2301591
n-Nitrosodiphenylamine	U		0.0596	0.788	2	06/11/2024 03:39	WG2301591
n-Nitrosodi-n-propylamine	U		0.0263	0.788	2	06/11/2024 03:39	WG2301591
Phenanthrene	0.673		0.0156	0.0788	2	06/11/2024 03:39	WG2301591
Benzylbutyl phthalate	U		0.0246	0.788	2	06/11/2024 03:39	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0998	0.788	2	06/11/2024 03:39	WG2301591
Di-n-butyl phthalate	U		0.0270	0.788	2	06/11/2024 03:39	WG2301591
Diethyl phthalate	U		0.0260	0.788	2	06/11/2024 03:39	WG2301591
Dimethyl phthalate	U		0.167	0.788	2	06/11/2024 03:39	WG2301591
Di-n-octyl phthalate	U		0.0532	0.788	2	06/11/2024 03:39	WG2301591
Pyrene	1.31		0.0154	0.0788	2	06/11/2024 03:39	WG2301591
1,2,4-Trichlorobenzene	U		0.0246	0.788	2	06/11/2024 03:39	WG2301591
4-Chloro-3-methylphenol	U		0.0256	0.788	2	06/11/2024 03:39	WG2301591
2-Chlorophenol	U		0.0260	0.788	2	06/11/2024 03:39	WG2301591
2,4-Dichlorophenol	U		0.0229	0.788	2	06/11/2024 03:39	WG2301591
2,4-Dimethylphenol	U		0.0206	0.788	2	06/11/2024 03:39	WG2301591
4,6-Dinitro-2-methylphenol	U		0.179	0.788	2	06/11/2024 03:39	WG2301591
2,4-Dinitrophenol	U		0.185	0.788	2	06/11/2024 03:39	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0282	0.788	2	06/11/2024 03:39	WG2301591
4-Nitrophenol	U		0.0246	0.788	2	06/11/2024 03:39	WG2301591
Pentachlorophenol	U		0.0212	0.788	2	06/11/2024 03:39	WG2301591
Phenol	U		0.0317	0.788	2	06/11/2024 03:39	WG2301591
2,4,6-Trichlorophenol	U		0.0253	0.788	2	06/11/2024 03:39	WG2301591
(S) 2-Fluorophenol	*55.9*			*12.0-120*		*06/11/2024 03:39*	WG2301591
(S) Phenol-d5	*51.3*			*10.0-120*		*06/11/2024 03:39*	WG2301591
(S) Nitrobenzene-d5	*56.9*			*10.0-122*		*06/11/2024 03:39*	WG2301591
(S) 2-Fluorobiphenyl	*63.7*			*15.0-120*		*06/11/2024 03:39*	WG2301591
(S) 2,4,6-Tribromophenol	*33.5*			*10.0-127*		*06/11/2024 03:39*	WG2301591
(S) p-Terphenyl-d14	*60.6*			*10.0-120*		*06/11/2024 03:39*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	06/01/2024 10:34	WG2296618

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0574		0.0223	0.0496	1	06/02/2024 21:26	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.90	J	0.675	2.48	1	06/07/2024 17:41	WG2299109
Arsenic	3.66		0.643	2.48	1	06/07/2024 17:41	WG2299109
Barium	157		0.106	0.620	1	06/07/2024 17:41	WG2299109
Beryllium	0.216	J	0.0391	0.248	1	06/07/2024 17:41	WG2299109
Cadmium	0.439	J	0.0584	0.620	1	06/07/2024 17:41	WG2299109
Chromium	52.6		0.165	1.24	1	06/07/2024 17:41	WG2299109
Cobalt	10.9		0.101	1.24	1	06/07/2024 17:41	WG2299109
Copper	20.3		0.496	2.48	1	06/07/2024 17:41	WG2299109
Lead	24.3		0.258	0.620	1	06/07/2024 17:41	WG2299109
Molybdenum	0.269	J	0.135	0.620	1	06/07/2024 17:41	WG2299109
Nickel	53.9		0.164	2.48	1	06/07/2024 17:41	WG2299109
Selenium	U		0.948	2.48	1	06/07/2024 17:41	WG2299109
Silver	U		0.158	1.24	1	06/07/2024 17:41	WG2299109
Thallium	U		0.489	2.48	1	06/07/2024 17:41	WG2299109
Vanadium	44.8		0.628	2.48	1	06/07/2024 17:41	WG2299109
Zinc	75.5		1.03	6.20	1	06/07/2024 17:41	WG2299109

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.48	B J	1.28	3.86	25	06/04/2024 07:37	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*98.1*			*77.0-120*		*06/04/2024 07:37*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0556	0.0761	1	06/05/2024 05:45	WG2298650
Acrylonitrile	U		0.00550	0.0190	1	06/05/2024 05:45	WG2298650
Benzene	U		0.000711	0.00152	1	06/05/2024 05:45	WG2298650
Bromobenzene	U		0.00137	0.0190	1	06/05/2024 05:45	WG2298650
Bromodichloromethane	U		0.00110	0.00381	1	06/05/2024 05:45	WG2298650
Bromoform	U		0.00178	0.0381	1	06/05/2024 05:45	WG2298650
Bromomethane	U		0.00300	0.0190	1	06/05/2024 05:45	WG2298650
n-Butylbenzene	U		0.00799	0.0190	1	06/05/2024 05:45	WG2298650
sec-Butylbenzene	U		0.00438	0.0190	1	06/05/2024 05:45	WG2298650
tert-Butylbenzene	U		0.00297	0.00761	1	06/05/2024 05:45	WG2298650
Carbon tetrachloride	U		0.00137	0.00761	1	06/05/2024 05:45	WG2298650
Chlorobenzene	U		0.000320	0.00381	1	06/05/2024 05:45	WG2298650
Chlorodibromomethane	U		0.000932	0.00381	1	06/05/2024 05:45	WG2298650
Chloroethane	U		0.00259	0.00761	1	06/05/2024 05:45	WG2298650
Chloroform	U		0.00157	0.00381	1	06/05/2024 05:45	WG2298650
Chloromethane	U		0.00662	0.0190	1	06/05/2024 05:45	WG2298650
2-Chlorotoluene	U		0.00132	0.00381	1	06/05/2024 05:45	WG2298650
4-Chlorotoluene	U		0.000685	0.00761	1	06/05/2024 05:45	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00594	0.0381	1	06/05/2024 05:45	WG2298650
1,2-Dibromoethane	U		0.000986	0.00381	1	06/05/2024 05:45	WG2298650
Dibromomethane	U		0.00114	0.00761	1	06/05/2024 05:45	WG2298650
1,2-Dichlorobenzene	U		0.000647	0.00761	1	06/05/2024 05:45	WG2298650
1,3-Dichlorobenzene	U		0.000913	0.00761	1	06/05/2024 05:45	WG2298650
1,4-Dichlorobenzene	U		0.00107	0.00761	1	06/05/2024 05:45	WG2298650
Dichlorodifluoromethane	U		0.00245	0.00761	1	06/05/2024 05:45	WG2298650
1,1-Dichloroethane	U		0.000747	0.00381	1	06/05/2024 05:45	WG2298650
1,2-Dichloroethane	U		0.000988	0.00381	1	06/05/2024 05:45	WG2298650
1,1-Dichloroethene	U		0.000922	0.00381	1	06/05/2024 05:45	WG2298650
cis-1,2-Dichloroethene	U		0.00112	0.00381	1	06/05/2024 05:45	WG2298650
trans-1,2-Dichloroethene	U		0.00158	0.00761	1	06/05/2024 05:45	WG2298650
1,2-Dichloropropane	U		0.00216	0.00761	1	06/05/2024 05:45	WG2298650
1,1-Dichloropropene	U		0.00123	0.00381	1	06/05/2024 05:45	WG2298650
1,3-Dichloropropane	U		0.000763	0.00761	1	06/05/2024 05:45	WG2298650
cis-1,3-Dichloropropene	U		0.00115	0.00381	1	06/05/2024 05:45	WG2298650
trans-1,3-Dichloropropene	U		0.00174	0.00761	1	06/05/2024 05:45	WG2298650
2,2-Dichloropropane	U		0.00210	0.00381	1	06/05/2024 05:45	WG2298650
Di-isopropyl ether	U		0.000624	0.00152	1	06/05/2024 05:45	WG2298650
Ethylbenzene	U		0.00112	0.00381	1	06/05/2024 05:45	WG2298650
Hexachloro-1,3-butadiene	U		0.00913	0.0381	1	06/05/2024 05:45	WG2298650
Isopropylbenzene	U		0.000647	0.00381	1	06/05/2024 05:45	WG2298650
p-Isopropyltoluene	U		0.00388	0.00761	1	06/05/2024 05:45	WG2298650
2-Butanone (MEK)	U		0.0967	0.152	1	06/05/2024 05:45	WG2298650
Methylene Chloride	U		0.0101	0.0381	1	06/05/2024 05:45	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00347	0.0381	1	06/05/2024 05:45	WG2298650
Methyl tert-butyl ether	U		0.000533	0.00152	1	06/05/2024 05:45	WG2298650
Naphthalene	U		0.00743	0.0190	1	06/05/2024 05:45	WG2298650
n-Propylbenzene	U		0.00145	0.00761	1	06/05/2024 05:45	WG2298650
Styrene	U		0.000349	0.0190	1	06/05/2024 05:45	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00144	0.00381	1	06/05/2024 05:45	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00106	0.00381	1	06/05/2024 05:45	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00381	1	06/05/2024 05:45	WG2298650
Tetrachloroethene	U		0.00136	0.00381	1	06/05/2024 05:45	WG2298650
Toluene	U		0.00198	0.00761	1	06/05/2024 05:45	WG2298650
1,2,3-Trichlorobenzene	U		0.0112	0.0190	1	06/05/2024 05:45	WG2298650
1,2,4-Trichlorobenzene	U		0.00670	0.0190	1	06/05/2024 05:45	WG2298650
1,1,1-Trichloroethane	0.00239	J	0.00140	0.00381	1	06/05/2024 05:45	WG2298650
1,1,2-Trichloroethane	U		0.000909	0.00381	1	06/05/2024 05:45	WG2298650
Trichloroethene	U		0.000889	0.00152	1	06/05/2024 05:45	WG2298650
Trichlorofluoromethane	U		0.00126	0.00381	1	06/05/2024 05:45	WG2298650
1,2,3-Trichloropropane	U		0.00247	0.0190	1	06/05/2024 05:45	WG2298650
1,2,4-Trimethylbenzene	U		0.00241	0.00761	1	06/05/2024 05:45	WG2298650
1,2,3-Trimethylbenzene	U		0.00241	0.00761	1	06/05/2024 05:45	WG2298650
1,3,5-Trimethylbenzene	U		0.00304	0.00761	1	06/05/2024 05:45	WG2298650
Vinyl chloride	U		0.00177	0.00381	1	06/05/2024 05:45	WG2298650
Xylenes, Total	U		0.00134	0.00989	1	06/05/2024 05:45	WG2298650
(S) Toluene-d8	*105*			*75.0-131*		*06/05/2024 05:45*	WG2298650
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 05:45*	WG2298650
(S) 1,2-Dichloroethane-d4	*93.2*			*70.0-130*		*06/05/2024 05:45*	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.39	J	0.909	4.96	1	06/06/2024 20:04	WG2299541
C22-C32 Hydrocarbons	2.16	J	1.65	4.96	1	06/06/2024 20:04	WG2299541
C32-C40 Hydrocarbons	U		1.65	4.96	1	06/06/2024 20:04	WG2299541
(S) o-Terphenyl	*64.1*			*18.0-148*		*06/06/2024 20:04*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00669	0.0413	1	06/11/2024 01:15	WG2301591
Acenaphthylene	U		0.00582	0.0413	1	06/11/2024 01:15	WG2301591
Anthracene	U		0.00736	0.0413	1	06/11/2024 01:15	WG2301591
Benzidine	U	J6	0.0777	2.07	1	06/11/2024 01:15	WG2301591
Benzo(a)anthracene	U		0.00728	0.0413	1	06/11/2024 01:15	WG2301591
Benzo(b)fluoranthene	U		0.00770	0.0413	1	06/11/2024 01:15	WG2301591
Benzo(k)fluoranthene	U		0.00734	0.0413	1	06/11/2024 01:15	WG2301591
Benzo(g,h,i)perylene	U		0.00755	0.0413	1	06/11/2024 01:15	WG2301591
Benzo(a)pyrene	U		0.00768	0.0413	1	06/11/2024 01:15	WG2301591
Bis(2-chlorethoxy)methane	U		0.0124	0.413	1	06/11/2024 01:15	WG2301591
Bis(2-chloroethyl)ether	U		0.0136	0.413	1	06/11/2024 01:15	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0179	0.413	1	06/11/2024 01:15	WG2301591
4-Bromophenyl-phenylether	U		0.0145	0.413	1	06/11/2024 01:15	WG2301591
2-Chloronaphthalene	U		0.00726	0.0413	1	06/11/2024 01:15	WG2301591
4-Chlorophenyl-phenylether	U		0.0144	0.413	1	06/11/2024 01:15	WG2301591
Chrysene	U		0.00821	0.0413	1	06/11/2024 01:15	WG2301591
Dibenz(a,h)anthracene	U		0.0114	0.0413	1	06/11/2024 01:15	WG2301591
1,2-Dichlorobenzene	U		0.0122	0.413	1	06/11/2024 01:15	WG2301591
1,3-Dichlorobenzene	U		0.0125	0.413	1	06/11/2024 01:15	WG2301591
1,4-Dichlorobenzene	U		0.0123	0.413	1	06/11/2024 01:15	WG2301591
3,3-Dichlorobenzidine	U		0.0153	0.413	1	06/11/2024 01:15	WG2301591
2,4-Dinitrotoluene	U		0.0118	0.413	1	06/11/2024 01:15	WG2301591
2,6-Dinitrotoluene	U		0.0135	0.413	1	06/11/2024 01:15	WG2301591
Fluoranthene	U		0.00745	0.0413	1	06/11/2024 01:15	WG2301591
Fluorene	U		0.00672	0.0413	1	06/11/2024 01:15	WG2301591
Hexachlorobenzene	U		0.0146	0.413	1	06/11/2024 01:15	WG2301591
Hexachloro-1,3-butadiene	U		0.0139	0.413	1	06/11/2024 01:15	WG2301591
Hexachlorocyclopentadiene	U		0.0217	0.413	1	06/11/2024 01:15	WG2301591
Hexachloroethane	U		0.0162	0.413	1	06/11/2024 01:15	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0117	0.0413	1	06/11/2024 01:15	WG2301591
Isophorone	U		0.0127	0.413	1	06/11/2024 01:15	WG2301591
Naphthalene	U		0.0104	0.0413	1	06/11/2024 01:15	WG2301591
Nitrobenzene	U		0.0144	0.413	1	06/11/2024 01:15	WG2301591
n-Nitrosodimethylamine	U		0.0613	0.413	1	06/11/2024 01:15	WG2301591
n-Nitrosodiphenylamine	U		0.0313	0.413	1	06/11/2024 01:15	WG2301591
n-Nitrosodi-n-propylamine	U		0.0138	0.413	1	06/11/2024 01:15	WG2301591
Phenanthrene	U		0.00820	0.0413	1	06/11/2024 01:15	WG2301591
Benzylbutyl phthalate	U		0.0129	0.413	1	06/11/2024 01:15	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0523	0.413	1	06/11/2024 01:15	WG2301591
Di-n-butyl phthalate	U		0.0141	0.413	1	06/11/2024 01:15	WG2301591
Diethyl phthalate	U		0.0136	0.413	1	06/11/2024 01:15	WG2301591
Dimethyl phthalate	U		0.0876	0.413	1	06/11/2024 01:15	WG2301591
Di-n-octyl phthalate	U		0.0279	0.413	1	06/11/2024 01:15	WG2301591
Pyrene	U		0.00804	0.0413	1	06/11/2024 01:15	WG2301591
1,2,4-Trichlorobenzene	U		0.0129	0.413	1	06/11/2024 01:15	WG2301591
4-Chloro-3-methylphenol	U		0.0134	0.413	1	06/11/2024 01:15	WG2301591
2-Chlorophenol	U		0.0136	0.413	1	06/11/2024 01:15	WG2301591
2,4-Dichlorophenol	U		0.0120	0.413	1	06/11/2024 01:15	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0108	0.413	1	06/11/2024 01:15	WG2301591
4,6-Dinitro-2-methylphenol	U		0.0937	0.413	1	06/11/2024 01:15	WG2301591
2,4-Dinitrophenol	U		0.0966	0.413	1	06/11/2024 01:15	WG2301591
2-Nitrophenol	U		0.0148	0.413	1	06/11/2024 01:15	WG2301591
4-Nitrophenol	U		0.0129	0.413	1	06/11/2024 01:15	WG2301591
Pentachlorophenol	U		0.0111	0.413	1	06/11/2024 01:15	WG2301591
Phenol	U		0.0166	0.413	1	06/11/2024 01:15	WG2301591
2,4,6-Trichlorophenol	U		0.0133	0.413	1	06/11/2024 01:15	WG2301591
(S) 2-Fluorophenol	*59.3*			*12.0-120*		*06/11/2024 01:15*	WG2301591
(S) Phenol-d5	*51.9*			*10.0-120*		*06/11/2024 01:15*	WG2301591
(S) Nitrobenzene-d5	*52.1*			*10.0-122*		*06/11/2024 01:15*	WG2301591
(S) 2-Fluorobiphenyl	*57.4*			*15.0-120*		*06/11/2024 01:15*	WG2301591
(S) 2,4,6-Tribromophenol	*35.2*			*10.0-127*		*06/11/2024 01:15*	WG2301591
(S) p-Terphenyl-d14	*54.9*			*10.0-120*		*06/11/2024 01:15*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	06/01/2024 10:34	WG2296618

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.74	B J	1.41	4.23	25	06/04/2024 07:56	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*06/04/2024 07:56*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0614	0.0840	1	06/05/2024 06:04	WG2298650
Acrylonitrile	U		0.00607	0.0210	1	06/05/2024 06:04	WG2298650
Benzene	U		0.000785	0.00168	1	06/05/2024 06:04	WG2298650
Bromobenzene	U		0.00151	0.0210	1	06/05/2024 06:04	WG2298650
Bromodichloromethane	U		0.00122	0.00420	1	06/05/2024 06:04	WG2298650
Bromoform	U		0.00197	0.0420	1	06/05/2024 06:04	WG2298650
Bromomethane	U		0.00331	0.0210	1	06/05/2024 06:04	WG2298650
n-Butylbenzene	U		0.00883	0.0210	1	06/05/2024 06:04	WG2298650
sec-Butylbenzene	U		0.00484	0.0210	1	06/05/2024 06:04	WG2298650
tert-Butylbenzene	U		0.00328	0.00840	1	06/05/2024 06:04	WG2298650
Carbon tetrachloride	U		0.00151	0.00840	1	06/05/2024 06:04	WG2298650
Chlorobenzene	U		0.000353	0.00420	1	06/05/2024 06:04	WG2298650
Chlorodibromomethane	U		0.00103	0.00420	1	06/05/2024 06:04	WG2298650
Chloroethane	U		0.00286	0.00840	1	06/05/2024 06:04	WG2298650
Chloroform	U		0.00173	0.00420	1	06/05/2024 06:04	WG2298650
Chloromethane	U		0.00731	0.0210	1	06/05/2024 06:04	WG2298650
2-Chlorotoluene	U		0.00145	0.00420	1	06/05/2024 06:04	WG2298650
4-Chlorotoluene	U		0.000756	0.00840	1	06/05/2024 06:04	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00656	0.0420	1	06/05/2024 06:04	WG2298650
1,2-Dibromoethane	U		0.00109	0.00420	1	06/05/2024 06:04	WG2298650
Dibromomethane	U		0.00126	0.00840	1	06/05/2024 06:04	WG2298650
1,2-Dichlorobenzene	U		0.000714	0.00840	1	06/05/2024 06:04	WG2298650
1,3-Dichlorobenzene	U		0.00101	0.00840	1	06/05/2024 06:04	WG2298650
1,4-Dichlorobenzene	U		0.00118	0.00840	1	06/05/2024 06:04	WG2298650
Dichlorodifluoromethane	U		0.00271	0.00840	1	06/05/2024 06:04	WG2298650
1,1-Dichloroethane	U		0.000825	0.00420	1	06/05/2024 06:04	WG2298650
1,2-Dichloroethane	U		0.00109	0.00420	1	06/05/2024 06:04	WG2298650
1,1-Dichloroethene	U		0.00102	0.00420	1	06/05/2024 06:04	WG2298650
cis-1,2-Dichloroethene	U		0.00123	0.00420	1	06/05/2024 06:04	WG2298650
trans-1,2-Dichloroethene	U		0.00175	0.00840	1	06/05/2024 06:04	WG2298650
1,2-Dichloropropane	U		0.00239	0.00840	1	06/05/2024 06:04	WG2298650
1,1-Dichloropropene	U		0.00136	0.00420	1	06/05/2024 06:04	WG2298650
1,3-Dichloropropane	U		0.000842	0.00840	1	06/05/2024 06:04	WG2298650
cis-1,3-Dichloropropene	U		0.00127	0.00420	1	06/05/2024 06:04	WG2298650
trans-1,3-Dichloropropene	U		0.00192	0.00840	1	06/05/2024 06:04	WG2298650
2,2-Dichloropropane	U		0.00232	0.00420	1	06/05/2024 06:04	WG2298650
Di-isopropyl ether	U		0.000689	0.00168	1	06/05/2024 06:04	WG2298650
Ethylbenzene	U		0.00124	0.00420	1	06/05/2024 06:04	WG2298650
Hexachloro-1,3-butadiene	U		0.0101	0.0420	1	06/05/2024 06:04	WG2298650
Isopropylbenzene	U		0.000714	0.00420	1	06/05/2024 06:04	WG2298650
p-Isopropyltoluene	U		0.00429	0.00840	1	06/05/2024 06:04	WG2298650
2-Butanone (MEK)	U		0.107	0.168	1	06/05/2024 06:04	WG2298650
Methylene Chloride	U		0.0112	0.0420	1	06/05/2024 06:04	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00383	0.0420	1	06/05/2024 06:04	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000588	0.00168	1	06/05/2024 06:04	WG2298650
Naphthalene	U		0.00820	0.0210	1	06/05/2024 06:04	WG2298650
n-Propylbenzene	U		0.00160	0.00840	1	06/05/2024 06:04	WG2298650
Styrene	U		0.000385	0.0210	1	06/05/2024 06:04	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00159	0.00420	1	06/05/2024 06:04	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00117	0.00420	1	06/05/2024 06:04	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00420	1	06/05/2024 06:04	WG2298650
Tetrachloroethene	U		0.00151	0.00420	1	06/05/2024 06:04	WG2298650
Toluene	U		0.00219	0.00840	1	06/05/2024 06:04	WG2298650
1,2,3-Trichlorobenzene	U		0.0123	0.0210	1	06/05/2024 06:04	WG2298650
1,2,4-Trichlorobenzene	U		0.00740	0.0210	1	06/05/2024 06:04	WG2298650
1,1,1-Trichloroethane	U		0.00155	0.00420	1	06/05/2024 06:04	WG2298650
1,1,2-Trichloroethane	U		0.00100	0.00420	1	06/05/2024 06:04	WG2298650
Trichloroethene	U		0.000982	0.00168	1	06/05/2024 06:04	WG2298650
Trichlorofluoromethane	U		0.00139	0.00420	1	06/05/2024 06:04	WG2298650
1,2,3-Trichloropropane	U		0.00272	0.0210	1	06/05/2024 06:04	WG2298650
1,2,4-Trimethylbenzene	U		0.00266	0.00840	1	06/05/2024 06:04	WG2298650
1,2,3-Trimethylbenzene	U		0.00266	0.00840	1	06/05/2024 06:04	WG2298650
1,3,5-Trimethylbenzene	U		0.00336	0.00840	1	06/05/2024 06:04	WG2298650
Vinyl chloride	U		0.00195	0.00420	1	06/05/2024 06:04	WG2298650
Xylenes, Total	U		0.00148	0.0109	1	06/05/2024 06:04	WG2298650
(S) Toluene-d8	*105*			*75.0-131*		*06/05/2024 06:04*	WG2298650
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/05/2024 06:04*	WG2298650
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*06/05/2024 06:04*	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.41	J	0.957	5.22	1	06/06/2024 19:08	WG2299541
C22-C32 Hydrocarbons	8.54		1.74	5.22	1	06/06/2024 19:08	WG2299541
C32-C40 Hydrocarbons	U		1.74	5.22	1	06/06/2024 19:08	WG2299541
(S) o-Terphenyl	*73.2*			*18.0-148*		*06/06/2024 19:08*	WG2299541

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	06/01/2024 10:34	WG2296618

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0318	J	0.0215	0.0478	1	06/02/2024 21:29	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.51		0.650	2.39	1	06/07/2024 17:44	WG2299109
Arsenic	2.12	J	0.619	2.39	1	06/07/2024 17:44	WG2299109
Barium	64.2		0.102	0.597	1	06/07/2024 17:44	WG2299109
Beryllium	0.185	J	0.0376	0.239	1	06/07/2024 17:44	WG2299109
Cadmium	0.192	J	0.0562	0.597	1	06/07/2024 17:44	WG2299109
Chromium	20.9		0.159	1.19	1	06/07/2024 17:44	WG2299109
Cobalt	4.12		0.0968	1.19	1	06/07/2024 17:44	WG2299109
Copper	33.4		0.478	2.39	1	06/07/2024 17:44	WG2299109
Lead	43.3		0.248	0.597	1	06/07/2024 17:44	WG2299109
Molybdenum	0.452	J	0.130	0.597	1	06/07/2024 17:44	WG2299109
Nickel	20.3		0.158	2.39	1	06/07/2024 17:44	WG2299109
Selenium	U		0.912	2.39	1	06/07/2024 17:44	WG2299109
Silver	U		0.152	1.19	1	06/07/2024 17:44	WG2299109
Thallium	U		0.470	2.39	1	06/07/2024 17:44	WG2299109
Vanadium	25.4		0.604	2.39	1	06/07/2024 17:44	WG2299109
Zinc	96.3		0.993	5.97	1	06/07/2024 17:44	WG2299109

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0141	0.0406	1	06/05/2024 23:39	WG2298869
PCB 1221	U		0.0141	0.0406	1	06/05/2024 23:39	WG2298869
PCB 1232	U		0.0141	0.0406	1	06/05/2024 23:39	WG2298869
PCB 1242	U		0.0141	0.0406	1	06/05/2024 23:39	WG2298869
PCB 1248	U		0.00881	0.0203	1	06/05/2024 23:39	WG2298869
PCB 1254	U		0.00881	0.0203	1	06/05/2024 23:39	WG2298869
PCB 1260	U		0.00881	0.0203	1	06/05/2024 23:39	WG2298869
(S) Decachlorobiphenyl	*89.9*			*10.0-135*		*06/05/2024 23:39*	WG2298869
(S) Tetrachloro-m-xylene	*73.8*			*10.0-139*		*06/05/2024 23:39*	WG2298869

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0688		0.00644	0.0398	1	06/07/2024 19:26	WG2299143
Acenaphthylene	0.0738		0.00560	0.0398	1	06/07/2024 19:26	WG2299143
Anthracene	0.195		0.00708	0.0398	1	06/07/2024 19:26	WG2299143
Benzidine	U		0.0747	1.99	1	06/07/2024 19:26	WG2299143
Benzo(a)anthracene	0.617		0.00701	0.0398	1	06/07/2024 19:26	WG2299143
Benzo(b)fluoranthene	1.03		0.00742	0.0398	1	06/07/2024 19:26	WG2299143
Benzo(k)fluoranthene	0.371		0.00707	0.0398	1	06/07/2024 19:26	WG2299143
Benzo(g,h,i)perylene	0.295		0.00727	0.0398	1	06/07/2024 19:26	WG2299143
Benzo(a)pyrene	0.731		0.00739	0.0398	1	06/07/2024 19:26	WG2299143
Bis(2-chlorethoxy)methane	U		0.0119	0.398	1	06/07/2024 19:26	WG2299143
Bis(2-chloroethyl)ether	U		0.0131	0.398	1	06/07/2024 19:26	WG2299143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0172	0.398	1	06/07/2024 19:26	WG2299143
4-Bromophenyl-phenylether	U		0.0140	0.398	1	06/07/2024 19:26	WG2299143
2-Chloronaphthalene	U		0.00699	0.0398	1	06/07/2024 19:26	WG2299143
4-Chlorophenyl-phenylether	U		0.0139	0.398	1	06/07/2024 19:26	WG2299143
Chrysene	0.742		0.00790	0.0398	1	06/07/2024 19:26	WG2299143
Dibenz(a,h)anthracene	0.0900		0.0110	0.0398	1	06/07/2024 19:26	WG2299143
1,2-Dichlorobenzene	U		0.0118	0.398	1	06/07/2024 19:26	WG2299143
1,3-Dichlorobenzene	U		0.0121	0.398	1	06/07/2024 19:26	WG2299143
1,4-Dichlorobenzene	U		0.0118	0.398	1	06/07/2024 19:26	WG2299143
3,3-Dichlorobenzidine	U		0.0147	0.398	1	06/07/2024 19:26	WG2299143
2,4-Dinitrotoluene	U		0.0114	0.398	1	06/07/2024 19:26	WG2299143
2,6-Dinitrotoluene	U		0.0130	0.398	1	06/07/2024 19:26	WG2299143
Fluoranthene	1.07		0.00718	0.0398	1	06/07/2024 19:26	WG2299143
Fluorene	0.158		0.00647	0.0398	1	06/07/2024 19:26	WG2299143
Hexachlorobenzene	U		0.0141	0.398	1	06/07/2024 19:26	WG2299143
Hexachloro-1,3-butadiene	U		0.0134	0.398	1	06/07/2024 19:26	WG2299143
Hexachlorocyclopentadiene	U		0.0209	0.398	1	06/07/2024 19:26	WG2299143
Hexachloroethane	U		0.0156	0.398	1	06/07/2024 19:26	WG2299143
Indeno(1,2,3-cd)pyrene	0.338		0.0112	0.0398	1	06/07/2024 19:26	WG2299143
Isophorone	U		0.0122	0.398	1	06/07/2024 19:26	WG2299143
Naphthalene	0.0768		0.00998	0.0398	1	06/07/2024 19:26	WG2299143
Nitrobenzene	U		0.0139	0.398	1	06/07/2024 19:26	WG2299143
n-Nitrosodimethylamine	U		0.0590	0.398	1	06/07/2024 19:26	WG2299143
n-Nitrosodiphenylamine	U		0.0301	0.398	1	06/07/2024 19:26	WG2299143
n-Nitrosodi-n-propylamine	U		0.0133	0.398	1	06/07/2024 19:26	WG2299143
Phenanthrene	0.875		0.00789	0.0398	1	06/07/2024 19:26	WG2299143
Benzylbutyl phthalate	U		0.0124	0.398	1	06/07/2024 19:26	WG2299143
Bis(2-ethylhexyl)phthalate	U		0.0504	0.398	1	06/07/2024 19:26	WG2299143
Di-n-butyl phthalate	U		0.0136	0.398	1	06/07/2024 19:26	WG2299143
Diethyl phthalate	U		0.0131	0.398	1	06/07/2024 19:26	WG2299143
Dimethyl phthalate	U		0.0843	0.398	1	06/07/2024 19:26	WG2299143
Di-n-octyl phthalate	U		0.0269	0.398	1	06/07/2024 19:26	WG2299143
Pyrene	1.09		0.00774	0.0398	1	06/07/2024 19:26	WG2299143
1,2,4-Trichlorobenzene	U		0.0124	0.398	1	06/07/2024 19:26	WG2299143
4-Chloro-3-methylphenol	U		0.0129	0.398	1	06/07/2024 19:26	WG2299143
2-Chlorophenol	U		0.0131	0.398	1	06/07/2024 19:26	WG2299143
2,4-Dichlorophenol	U		0.0116	0.398	1	06/07/2024 19:26	WG2299143
2,4-Dimethylphenol	U		0.0104	0.398	1	06/07/2024 19:26	WG2299143
4,6-Dinitro-2-methylphenol	U		0.0902	0.398	1	06/07/2024 19:26	WG2299143
2,4-Dinitrophenol	U		0.0930	0.398	1	06/07/2024 19:26	WG2299143
2-Nitrophenol	U		0.0142	0.398	1	06/07/2024 19:26	WG2299143
4-Nitrophenol	U		0.0124	0.398	1	06/07/2024 19:26	WG2299143
Pentachlorophenol	U		0.0107	0.398	1	06/07/2024 19:26	WG2299143
Phenol	U		0.0160	0.398	1	06/07/2024 19:26	WG2299143
2,4,6-Trichlorophenol	U		0.0128	0.398	1	06/07/2024 19:26	WG2299143
(S) 2-Fluorophenol	*52.5*			*12.0-120*		*06/07/2024 19:26*	WG2299143
(S) Phenol-d5	*50.0*			*10.0-120*		*06/07/2024 19:26*	WG2299143
(S) Nitrobenzene-d5	*47.9*			*10.0-122*		*06/07/2024 19:26*	WG2299143
(S) 2-Fluorobiphenyl	*54.9*			*15.0-120*		*06/07/2024 19:26*	WG2299143
(S) 2,4,6-Tribromophenol	*56.9*			*10.0-127*		*06/07/2024 19:26*	WG2299143
(S) p-Terphenyl-d14	*64.1*			*10.0-120*		*06/07/2024 19:26*	WG2299143

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	06/01/2024 10:34	WG2296618

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0266	J	0.0203	0.0451	1	06/02/2024 21:31	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.34	J	0.613	2.25	1	06/07/2024 17:48	WG2299109
Arsenic	1.81	J	0.583	2.25	1	06/07/2024 17:48	WG2299109
Barium	56.4		0.0960	0.563	1	06/07/2024 17:48	WG2299109
Beryllium	0.131	J	0.0355	0.225	1	06/07/2024 17:48	WG2299109
Cadmium	0.257	J	0.0531	0.563	1	06/07/2024 17:48	WG2299109
Chromium	14.9		0.150	1.13	1	06/07/2024 17:48	WG2299109
Cobalt	3.40		0.0913	1.13	1	06/07/2024 17:48	WG2299109
Copper	12.1		0.451	2.25	1	06/07/2024 17:48	WG2299109
Lead	23.5		0.234	0.563	1	06/07/2024 17:48	WG2299109
Molybdenum	0.921		0.123	0.563	1	06/07/2024 17:48	WG2299109
Nickel	17.9		0.149	2.25	1	06/07/2024 17:48	WG2299109
Selenium	U		0.861	2.25	1	06/07/2024 17:48	WG2299109
Silver	U		0.143	1.13	1	06/07/2024 17:48	WG2299109
Thallium	U		0.444	2.25	1	06/07/2024 17:48	WG2299109
Vanadium	13.3		0.570	2.25	1	06/07/2024 17:48	WG2299109
Zinc	46.9		0.937	5.63	1	06/07/2024 17:48	WG2299109

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0462	0.0633	1	06/05/2024 06:23	WG2298650
Acrylonitrile	U		0.00457	0.0158	1	06/05/2024 06:23	WG2298650
Benzene	0.966		0.000591	0.00127	1	06/05/2024 06:23	WG2298650
Bromobenzene	U		0.00114	0.0158	1	06/05/2024 06:23	WG2298650
Bromodichloromethane	U		0.000918	0.00317	1	06/05/2024 06:23	WG2298650
Bromoform	U		0.00148	0.0317	1	06/05/2024 06:23	WG2298650
Bromomethane	U		0.00249	0.0158	1	06/05/2024 06:23	WG2298650
n-Butylbenzene	0.0843		0.00665	0.0158	1	06/05/2024 06:23	WG2298650
sec-Butylbenzene	0.130		0.00365	0.0158	1	06/05/2024 06:23	WG2298650
tert-Butylbenzene	0.0115		0.00247	0.00633	1	06/05/2024 06:23	WG2298650
Carbon tetrachloride	U		0.00114	0.00633	1	06/05/2024 06:23	WG2298650
Chlorobenzene	U		0.000266	0.00317	1	06/05/2024 06:23	WG2298650
Chlorodibromomethane	U		0.000775	0.00317	1	06/05/2024 06:23	WG2298650
Chloroethane	18.5		0.0430	0.127	20	06/07/2024 01:25	WG2300243
Chloroform	U		0.00130	0.00317	1	06/05/2024 06:23	WG2298650
Chloromethane	U		0.00551	0.0158	1	06/05/2024 06:23	WG2298650
2-Chlorotoluene	U		0.00110	0.00317	1	06/05/2024 06:23	WG2298650
4-Chlorotoluene	U		0.000570	0.00633	1	06/05/2024 06:23	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00494	0.0317	1	06/05/2024 06:23	WG2298650
1,2-Dibromoethane	U		0.000820	0.00317	1	06/05/2024 06:23	WG2298650
Dibromomethane	U		0.000950	0.00633	1	06/05/2024 06:23	WG2298650
1,2-Dichlorobenzene	U		0.000538	0.00633	1	06/05/2024 06:23	WG2298650
1,3-Dichlorobenzene	U		0.000760	0.00633	1	06/05/2024 06:23	WG2298650
1,4-Dichlorobenzene	0.00146	J	0.000886	0.00633	1	06/05/2024 06:23	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00204	0.00633	1	06/05/2024 06:23	WG2298650
1,1-Dichloroethane	1.70		0.000622	0.00317	1	06/05/2024 06:23	WG2298650
1,2-Dichloroethane	U		0.000822	0.00317	1	06/05/2024 06:23	WG2298650
1,1-Dichloroethene	0.161		0.000767	0.00317	1	06/05/2024 06:23	WG2298650
cis-1,2-Dichloroethene	0.00841		0.000929	0.00317	1	06/05/2024 06:23	WG2298650
trans-1,2-Dichloroethene	U		0.00132	0.00633	1	06/05/2024 06:23	WG2298650
1,2-Dichloropropane	U		0.00180	0.00633	1	06/05/2024 06:23	WG2298650
1,1-Dichloropropene	U		0.00102	0.00317	1	06/05/2024 06:23	WG2298650
1,3-Dichloropropane	U		0.000634	0.00633	1	06/05/2024 06:23	WG2298650
cis-1,3-Dichloropropene	U		0.000958	0.00317	1	06/05/2024 06:23	WG2298650
trans-1,3-Dichloropropene	U		0.00144	0.00633	1	06/05/2024 06:23	WG2298650
2,2-Dichloropropane	U		0.00175	0.00317	1	06/05/2024 06:23	WG2298650
Di-isopropyl ether	U		0.000519	0.00127	1	06/05/2024 06:23	WG2298650
Ethylbenzene	2.25		0.000933	0.00317	1	06/05/2024 06:23	WG2298650
Hexachloro-1,3-butadiene	U		0.00760	0.0317	1	06/05/2024 06:23	WG2298650
Isopropylbenzene	0.567		0.000538	0.00317	1	06/05/2024 06:23	WG2298650
p-Isopropyltoluene	0.107		0.00323	0.00633	1	06/05/2024 06:23	WG2298650
2-Butanone (MEK)	U		0.0804	0.127	1	06/05/2024 06:23	WG2298650
Methylene Chloride	U		0.00841	0.0317	1	06/05/2024 06:23	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00289	0.0317	1	06/05/2024 06:23	WG2298650
Methyl tert-butyl ether	U		0.000443	0.00127	1	06/05/2024 06:23	WG2298650
Naphthalene	0.967		0.00618	0.0158	1	06/05/2024 06:23	WG2298650
n-Propylbenzene	0.928		0.00120	0.00633	1	06/05/2024 06:23	WG2298650
Styrene	U		0.000290	0.0158	1	06/05/2024 06:23	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00120	0.00317	1	06/05/2024 06:23	WG2298650
1,1,2,2-Tetrachloroethane	U		0.000880	0.00317	1	06/05/2024 06:23	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.000955	0.00317	1	06/05/2024 06:23	WG2298650
Tetrachloroethene	U		0.00113	0.00317	1	06/05/2024 06:23	WG2298650
Toluene	0.429		0.00165	0.00633	1	06/05/2024 06:23	WG2298650
1,2,3-Trichlorobenzene	U		0.00928	0.0158	1	06/05/2024 06:23	WG2298650
1,2,4-Trichlorobenzene	U		0.00557	0.0158	1	06/05/2024 06:23	WG2298650
1,1,1-Trichloroethane	2.60		0.00117	0.00317	1	06/05/2024 06:23	WG2298650
1,1,2-Trichloroethane	U		0.000756	0.00317	1	06/05/2024 06:23	WG2298650
Trichloroethene	0.000912	J	0.000739	0.00127	1	06/05/2024 06:23	WG2298650
Trichlorofluoromethane	U		0.00105	0.00317	1	06/05/2024 06:23	WG2298650
1,2,3-Trichloropropane	U		0.00205	0.0158	1	06/05/2024 06:23	WG2298650
1,2,4-Trimethylbenzene	2.46		0.00200	0.00633	1	06/05/2024 06:23	WG2298650
1,2,3-Trimethylbenzene	0.901		0.00200	0.00633	1	06/05/2024 06:23	WG2298650
1,3,5-Trimethylbenzene	1.13		0.00253	0.00633	1	06/05/2024 06:23	WG2298650
Vinyl chloride	0.101		0.00147	0.00317	1	06/05/2024 06:23	WG2298650
Xylenes, Total	6.80		0.00111	0.00823	1	06/05/2024 06:23	WG2298650
(S) Toluene-d8	*104*			*75.0-131*		*06/05/2024 06:23*	WG2298650
(S) Toluene-d8	*109*			*75.0-131*		*06/07/2024 01:25*	WG2300243
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*06/05/2024 06:23*	WG2298650
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*06/07/2024 01:25*	WG2300243
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*06/05/2024 06:23*	WG2298650
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/07/2024 01:25*	WG2300243

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0133	0.0383	1	06/06/2024 01:06	WG2298869
PCB 1221	U		0.0133	0.0383	1	06/06/2024 01:06	WG2298869
PCB 1232	U		0.0133	0.0383	1	06/06/2024 01:06	WG2298869
PCB 1242	U		0.0133	0.0383	1	06/06/2024 01:06	WG2298869
PCB 1248	U		0.00831	0.0191	1	06/06/2024 01:06	WG2298869

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	U		0.00831	0.0191	1	06/06/2024 01:06	WG2298869
PCB 1260	U		0.00831	0.0191	1	06/06/2024 01:06	WG2298869
(S) Decachlorobiphenyl	*859*	J1		*10.0-135*		*06/06/2024 01:06*	WG2298869
(S) Tetrachloro-m-xylene	*80.3*			*10.0-139*		*06/06/2024 01:06*	WG2298869

Sample Narrative:

L1741416-33 WG2298869: Surrogate failure due to matrix interference

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		1.22	7.50	200	06/12/2024 06:28	WG2302475
Acenaphthylene	U		1.06	7.50	200	06/12/2024 06:28	WG2302475
Anthracene	U		1.34	7.50	200	06/12/2024 06:28	WG2302475
Benzidine	U		14.1	376	200	06/12/2024 06:28	WG2302475
Benzo(a)anthracene	14.5		1.32	7.50	200	06/12/2024 06:28	WG2302475
Benzo(b)fluoranthene	25.9		1.40	7.50	200	06/12/2024 06:28	WG2302475
Benzo(k)fluoranthene	8.52		1.33	7.50	200	06/12/2024 06:28	WG2302475
Benzo(g,h,i)perylene	13.1		1.37	7.50	200	06/12/2024 06:28	WG2302475
Benzo(a)pyrene	20.0		1.40	7.50	200	06/12/2024 06:28	WG2302475
Bis(2-chlorethoxy)methane	U		2.25	75.0	200	06/12/2024 06:28	WG2302475
Bis(2-chloroethyl)ether	U	J4	2.48	75.0	200	06/12/2024 06:28	WG2302475
2,2-Oxybis(1-Chloropropane)	U		3.24	75.0	200	06/12/2024 06:28	WG2302475
4-Bromophenyl-phenylether	U		2.64	75.0	200	06/12/2024 06:28	WG2302475
2-Chloronaphthalene	U		1.32	7.50	200	06/12/2024 06:28	WG2302475
4-Chlorophenyl-phenylether	U		2.61	75.0	200	06/12/2024 06:28	WG2302475
Chrysene	22.6		1.49	7.50	200	06/12/2024 06:28	WG2302475
Dibenz(a,h)anthracene	4.44	J	2.08	7.50	200	06/12/2024 06:28	WG2302475
1,2-Dichlorobenzene	U		2.22	75.0	200	06/12/2024 06:28	WG2302475
1,3-Dichlorobenzene	U		2.28	75.0	200	06/12/2024 06:28	WG2302475
1,4-Dichlorobenzene	U		2.23	75.0	200	06/12/2024 06:28	WG2302475
3,3-Dichlorobenzidine	U		2.77	75.0	200	06/12/2024 06:28	WG2302475
2,4-Dinitrotoluene	U		2.15	75.0	200	06/12/2024 06:28	WG2302475
2,6-Dinitrotoluene	U		2.46	75.0	200	06/12/2024 06:28	WG2302475
Fluoranthene	14.8		1.35	7.50	200	06/12/2024 06:28	WG2302475
Fluorene	U		1.22	7.50	200	06/12/2024 06:28	WG2302475
Hexachlorobenzene	U		2.66	75.0	200	06/12/2024 06:28	WG2302475
Hexachloro-1,3-butadiene	U		2.52	75.0	200	06/12/2024 06:28	WG2302475
Hexachlorocyclopentadiene	U		3.94	75.0	200	06/12/2024 06:28	WG2302475
Hexachloroethane	U		2.95	75.0	200	06/12/2024 06:28	WG2302475
Indeno(1,2,3-cd)pyrene	13.0		2.12	7.50	200	06/12/2024 06:28	WG2302475
Isophorone	U		2.30	75.0	200	06/12/2024 06:28	WG2302475
Naphthalene	U		1.88	7.50	200	06/12/2024 06:28	WG2302475
Nitrobenzene	U		2.61	75.0	200	06/12/2024 06:28	WG2302475
n-Nitrosodimethylamine	U		11.1	75.0	200	06/12/2024 06:28	WG2302475
n-Nitrosodiphenylamine	U		5.68	75.0	200	06/12/2024 06:28	WG2302475
n-Nitrosodi-n-propylamine	U		2.50	75.0	200	06/12/2024 06:28	WG2302475
Phenanthrene	2.84	J	1.49	7.50	200	06/12/2024 06:28	WG2302475
Benzylbutyl phthalate	U		2.34	75.0	200	06/12/2024 06:28	WG2302475
Bis(2-ethylhexyl)phthalate	U		9.51	75.0	200	06/12/2024 06:28	WG2302475
Di-n-butyl phthalate	U		2.57	75.0	200	06/12/2024 06:28	WG2302475
Diethyl phthalate	U		2.48	75.0	200	06/12/2024 06:28	WG2302475
Dimethyl phthalate	U		15.9	75.0	200	06/12/2024 06:28	WG2302475
Di-n-octyl phthalate	U		5.07	75.0	200	06/12/2024 06:28	WG2302475
Pyrene	18.0		1.46	7.50	200	06/12/2024 06:28	WG2302475
1,2,4-Trichlorobenzene	U		2.34	75.0	200	06/12/2024 06:28	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		2.43	75.0	200	06/12/2024 06:28	WG2302475
2-Chlorophenol	U		2.48	75.0	200	06/12/2024 06:28	WG2302475
2,4-Dichlorophenol	U		2.19	75.0	200	06/12/2024 06:28	WG2302475
2,4-Dimethylphenol	U		1.96	75.0	200	06/12/2024 06:28	WG2302475
4,6-Dinitro-2-methylphenol	U		17.0	75.0	200	06/12/2024 06:28	WG2302475
2,4-Dinitrophenol	U		17.6	75.0	200	06/12/2024 06:28	WG2302475
2-Nitrophenol	U		2.68	75.0	200	06/12/2024 06:28	WG2302475
4-Nitrophenol	U		2.34	75.0	200	06/12/2024 06:28	WG2302475
Pentachlorophenol	U		2.02	75.0	200	06/12/2024 06:28	WG2302475
Phenol	U		3.02	75.0	200	06/12/2024 06:28	WG2302475
2,4,6-Trichlorophenol	U		2.41	75.0	200	06/12/2024 06:28	WG2302475
(S) 2-Fluorophenol	*0.000*	J7		*12.0-120*		*06/12/2024 06:28*	WG2302475
(S) Phenol-d5	*48.3*	J7		*10.0-120*		*06/12/2024 06:28*	WG2302475
(S) Nitrobenzene-d5	*0.000*	J7		*10.0-122*		*06/12/2024 06:28*	WG2302475
(S) 2-Fluorobiphenyl	*91.2*	J7		*15.0-120*		*06/12/2024 06:28*	WG2302475
(S) 2,4,6-Tribromophenol	*0.000*	J7		*10.0-127*		*06/12/2024 06:28*	WG2302475
(S) p-Terphenyl-d14	*97.9*	J7		*10.0-120*		*06/12/2024 06:28*	WG2302475

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	06/01/2024 10:34	WG2296618

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.128		0.0212	0.0471	1	06/02/2024 21:34	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.90		0.641	2.36	1	06/07/2024 17:51	WG2299109
Arsenic	4.71		0.610	2.36	1	06/07/2024 17:51	WG2299109
Barium	23.1		0.100	0.589	1	06/07/2024 17:51	WG2299109
Beryllium	0.0555	J	0.0371	0.236	1	06/07/2024 17:51	WG2299109
Cadmium	0.0697	J	0.0555	0.589	1	06/07/2024 17:51	WG2299109
Chromium	53.7		0.157	1.18	1	06/07/2024 17:51	WG2299109
Cobalt	4.36		0.0955	1.18	1	06/07/2024 17:51	WG2299109
Copper	136		0.471	2.36	1	06/07/2024 17:51	WG2299109
Lead	29.6		0.245	0.589	1	06/07/2024 17:51	WG2299109
Molybdenum	5.59		0.128	0.589	1	06/07/2024 17:51	WG2299109
Nickel	31.9		0.155	2.36	1	06/07/2024 17:51	WG2299109
Selenium	U		0.900	2.36	1	06/07/2024 17:51	WG2299109
Silver	U		0.150	1.18	1	06/07/2024 17:51	WG2299109
Thallium	U		0.464	2.36	1	06/08/2024 18:01	WG2299109
Vanadium	10.7		0.596	2.36	1	06/07/2024 17:51	WG2299109
Zinc	26.1		0.980	5.89	1	06/07/2024 17:51	WG2299109

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	243		1.13	3.42	25	06/04/2024 08:16	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*06/04/2024 08:16*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0498	0.0682	1	06/05/2024 06:42	WG2298650
Acrylonitrile	U		0.00493	0.0171	1	06/05/2024 06:42	WG2298650
Benzene	0.490		0.000637	0.00136	1	06/05/2024 06:42	WG2298650
Bromobenzene	U		0.00123	0.0171	1	06/05/2024 06:42	WG2298650
Bromodichloromethane	U		0.000989	0.00341	1	06/05/2024 06:42	WG2298650
Bromoform	U		0.00160	0.0341	1	06/05/2024 06:42	WG2298650
Bromomethane	U		0.00269	0.0171	1	06/05/2024 06:42	WG2298650
n-Butylbenzene	0.184		0.00716	0.0171	1	06/05/2024 06:42	WG2298650
sec-Butylbenzene	0.206		0.00393	0.0171	1	06/05/2024 06:42	WG2298650
tert-Butylbenzene	U		0.00266	0.00682	1	06/05/2024 06:42	WG2298650
Carbon tetrachloride	U		0.00123	0.00682	1	06/05/2024 06:42	WG2298650
Chlorobenzene	U		0.000287	0.00341	1	06/05/2024 06:42	WG2298650
Chlorodibromomethane	U		0.000835	0.00341	1	06/05/2024 06:42	WG2298650
Chloroethane	12.6		0.0186	0.0546	8	06/07/2024 01:06	WG2300243
Chloroform	U		0.00141	0.00341	1	06/05/2024 06:42	WG2298650
Chloromethane	U		0.00594	0.0171	1	06/05/2024 06:42	WG2298650
2-Chlorotoluene	U		0.00118	0.00341	1	06/05/2024 06:42	WG2298650
4-Chlorotoluene	U		0.000614	0.00682	1	06/05/2024 06:42	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00532	0.0341	1	06/05/2024 06:42	WG2298650
1,2-Dibromoethane	U		0.000884	0.00341	1	06/05/2024 06:42	WG2298650
Dibromomethane	U		0.00102	0.00682	1	06/05/2024 06:42	WG2298650
1,2-Dichlorobenzene	U		0.000580	0.00682	1	06/05/2024 06:42	WG2298650
1,3-Dichlorobenzene	U		0.000819	0.00682	1	06/05/2024 06:42	WG2298650
1,4-Dichlorobenzene	U		0.000955	0.00682	1	06/05/2024 06:42	WG2298650
Dichlorodifluoromethane	U		0.00220	0.00682	1	06/05/2024 06:42	WG2298650
1,1-Dichloroethane	0.351		0.000670	0.00341	1	06/05/2024 06:42	WG2298650
1,2-Dichloroethane	U		0.000886	0.00341	1	06/05/2024 06:42	WG2298650
1,1-Dichloroethene	0.0654		0.000827	0.00341	1	06/05/2024 06:42	WG2298650
cis-1,2-Dichloroethene	U		0.00100	0.00341	1	06/05/2024 06:42	WG2298650
trans-1,2-Dichloroethene	U		0.00142	0.00682	1	06/05/2024 06:42	WG2298650
1,2-Dichloropropane	U		0.00194	0.00682	1	06/05/2024 06:42	WG2298650
1,1-Dichloropropene	U		0.00110	0.00341	1	06/05/2024 06:42	WG2298650
1,3-Dichloropropane	U		0.000684	0.00682	1	06/05/2024 06:42	WG2298650
cis-1,3-Dichloropropene	U		0.00103	0.00341	1	06/05/2024 06:42	WG2298650
trans-1,3-Dichloropropene	U		0.00156	0.00682	1	06/05/2024 06:42	WG2298650
2,2-Dichloropropane	U		0.00188	0.00341	1	06/05/2024 06:42	WG2298650
Di-isopropyl ether	U		0.000559	0.00136	1	06/05/2024 06:42	WG2298650
Ethylbenzene	5.03		0.00805	0.0273	8	06/07/2024 01:06	WG2300243
Hexachloro-1,3-butadiene	U		0.00819	0.0341	1	06/05/2024 06:42	WG2298650
Isopropylbenzene	0.632		0.000580	0.00341	1	06/05/2024 06:42	WG2298650
p-Isopropyltoluene	0.0929		0.00348	0.00682	1	06/05/2024 06:42	WG2298650
2-Butanone (MEK)	U		0.0866	0.136	1	06/05/2024 06:42	WG2298650
Methylene Chloride	U		0.00906	0.0341	1	06/05/2024 06:42	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00311	0.0341	1	06/05/2024 06:42	WG2298650
Methyl tert-butyl ether	U		0.000478	0.00136	1	06/05/2024 06:42	WG2298650
Naphthalene	0.0823		0.00666	0.0171	1	06/05/2024 06:42	WG2298650
n-Propylbenzene	2.09		0.00130	0.00682	1	06/05/2024 06:42	WG2298650
Styrene	U		0.000312	0.0171	1	06/05/2024 06:42	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00129	0.00341	1	06/05/2024 06:42	WG2298650
1,1,2,2-Tetrachloroethane	U		0.000948	0.00341	1	06/05/2024 06:42	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00103	0.00341	1	06/05/2024 06:42	WG2298650
Tetrachloroethene	U		0.00122	0.00341	1	06/05/2024 06:42	WG2298650
Toluene	0.0937		0.00177	0.00682	1	06/05/2024 06:42	WG2298650
1,2,3-Trichlorobenzene	U		0.0100	0.0171	1	06/05/2024 06:42	WG2298650
1,2,4-Trichlorobenzene	U		0.00600	0.0171	1	06/05/2024 06:42	WG2298650
1,1,1-Trichloroethane	0.422		0.00126	0.00341	1	06/05/2024 06:42	WG2298650
1,1,2-Trichloroethane	U		0.000815	0.00341	1	06/05/2024 06:42	WG2298650
Trichloroethene	U		0.000797	0.00136	1	06/05/2024 06:42	WG2298650
Trichlorofluoromethane	U		0.00113	0.00341	1	06/05/2024 06:42	WG2298650
1,2,3-Trichloropropane	U		0.00221	0.0171	1	06/05/2024 06:42	WG2298650
1,2,4-Trimethylbenzene	2.70		0.00216	0.00682	1	06/05/2024 06:42	WG2298650
1,2,3-Trimethylbenzene	0.621		0.00216	0.00682	1	06/05/2024 06:42	WG2298650
1,3,5-Trimethylbenzene	1.34		0.00273	0.00682	1	06/05/2024 06:42	WG2298650
Vinyl chloride	0.00884		0.00158	0.00341	1	06/05/2024 06:42	WG2298650
Xylenes, Total	3.36		0.00120	0.00887	1	06/05/2024 06:42	WG2298650
(S) Toluene-d8	*102*			*75.0-131*		*06/05/2024 06:42*	WG2298650
(S) Toluene-d8	*114*			*75.0-131*		*06/07/2024 01:06*	WG2300243
(S) 4-Bromofluorobenzene	*126*			*67.0-138*		*06/05/2024 06:42*	WG2298650
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*06/07/2024 01:06*	WG2300243
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*06/05/2024 06:42*	WG2298650
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*06/07/2024 01:06*	WG2300243

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	67.0		8.63	47.1	10	06/07/2024 10:21	WG2299541
C22-C32 Hydrocarbons	267		15.7	47.1	10	06/07/2024 10:21	WG2299541
C32-C40 Hydrocarbons	236		15.7	47.1	10	06/07/2024 10:21	WG2299541
(S) o-Terphenyl	*72.8*			*18.0-148*		*06/07/2024 10:21*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.201	J	0.0635	0.392	10	06/11/2024 05:01	WG2301591
Acenaphthylene	U		0.0552	0.392	10	06/11/2024 05:01	WG2301591
Anthracene	0.280	J	0.0699	0.392	10	06/11/2024 05:01	WG2301591
Benzidine	U		0.737	19.7	10	06/11/2024 05:01	WG2301591
Benzo(a)anthracene	7.40		0.0691	0.392	10	06/11/2024 05:01	WG2301591
Benzo(b)fluoranthene	14.1		0.0732	0.392	10	06/11/2024 05:01	WG2301591
Benzo(k)fluoranthene	5.11		0.0697	0.392	10	06/11/2024 05:01	WG2301591
Benzo(g,h,i)perylene	7.02		0.0717	0.392	10	06/11/2024 05:01	WG2301591
Benzo(a)pyrene	10.9		0.0729	0.392	10	06/11/2024 05:01	WG2301591
Bis(2-chlorethoxy)methane	U		0.118	3.92	10	06/11/2024 05:01	WG2301591
Bis(2-chloroethyl)ether	U		0.130	3.92	10	06/11/2024 05:01	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.170	3.92	10	06/11/2024 05:01	WG2301591
4-Bromophenyl-phenylether	U		0.138	3.92	10	06/11/2024 05:01	WG2301591
2-Chloronaphthalene	U		0.0689	0.392	10	06/11/2024 05:01	WG2301591
4-Chlorophenyl-phenylether	U		0.137	3.92	10	06/11/2024 05:01	WG2301591
Chrysene	12.5		0.0780	0.392	10	06/11/2024 05:01	WG2301591
Dibenz(a,h)anthracene	2.21		0.109	0.392	10	06/11/2024 05:01	WG2301591
1,2-Dichlorobenzene	U		0.116	3.92	10	06/11/2024 05:01	WG2301591
1,3-Dichlorobenzene	U		0.119	3.92	10	06/11/2024 05:01	WG2301591
1,4-Dichlorobenzene	U		0.117	3.92	10	06/11/2024 05:01	WG2301591
3,3-Dichlorobenzidine	U		0.145	3.92	10	06/11/2024 05:01	WG2301591
2,4-Dinitrotoluene	U		0.112	3.92	10	06/11/2024 05:01	WG2301591
2,6-Dinitrotoluene	U		0.128	3.92	10	06/11/2024 05:01	WG2301591
Fluoranthene	5.51		0.0708	0.392	10	06/11/2024 05:01	WG2301591
Fluorene	0.0642	J	0.0638	0.392	10	06/11/2024 05:01	WG2301591
Hexachlorobenzene	U		0.139	3.92	10	06/11/2024 05:01	WG2301591
Hexachloro-1,3-butadiene	U		0.132	3.92	10	06/11/2024 05:01	WG2301591
Hexachlorocyclopentadiene	U		0.206	3.92	10	06/11/2024 05:01	WG2301591
Hexachloroethane	U		0.154	3.92	10	06/11/2024 05:01	WG2301591
Indeno(1,2,3-cd)pyrene	6.76		0.111	0.392	10	06/11/2024 05:01	WG2301591
Isophorone	U		0.120	3.92	10	06/11/2024 05:01	WG2301591
Naphthalene	0.280	J	0.0985	0.392	10	06/11/2024 05:01	WG2301591
Nitrobenzene	U		0.137	3.92	10	06/11/2024 05:01	WG2301591
n-Nitrosodimethylamine	U		0.582	3.92	10	06/11/2024 05:01	WG2301591
n-Nitrosodiphenylamine	U		0.297	3.92	10	06/11/2024 05:01	WG2301591
n-Nitrosodi-n-propylamine	U		0.131	3.92	10	06/11/2024 05:01	WG2301591
Phenanthrene	1.27		0.0779	0.392	10	06/11/2024 05:01	WG2301591
Benzylbutyl phthalate	U		0.123	3.92	10	06/11/2024 05:01	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.497	3.92	10	06/11/2024 05:01	WG2301591
Di-n-butyl phthalate	U		0.134	3.92	10	06/11/2024 05:01	WG2301591
Diethyl phthalate	U		0.130	3.92	10	06/11/2024 05:01	WG2301591
Dimethyl phthalate	U		0.832	3.92	10	06/11/2024 05:01	WG2301591
Di-n-octyl phthalate	U		0.265	3.92	10	06/11/2024 05:01	WG2301591
Pyrene	8.79		0.0763	0.392	10	06/11/2024 05:01	WG2301591
1,2,4-Trichlorobenzene	U		0.123	3.92	10	06/11/2024 05:01	WG2301591
4-Chloro-3-methylphenol	U		0.127	3.92	10	06/11/2024 05:01	WG2301591
2-Chlorophenol	U		0.130	3.92	10	06/11/2024 05:01	WG2301591
2,4-Dichlorophenol	U		0.114	3.92	10	06/11/2024 05:01	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.102	3.92	10	06/11/2024 05:01	WG2301591
4,6-Dinitro-2-methylphenol	U		0.889	3.92	10	06/11/2024 05:01	WG2301591
2,4-Dinitrophenol	U		0.918	3.92	10	06/11/2024 05:01	WG2301591
2-Nitrophenol	U		0.140	3.92	10	06/11/2024 05:01	WG2301591
4-Nitrophenol	U		0.123	3.92	10	06/11/2024 05:01	WG2301591
Pentachlorophenol	U		0.106	3.92	10	06/11/2024 05:01	WG2301591
Phenol	U		0.158	3.92	10	06/11/2024 05:01	WG2301591
2,4,6-Trichlorophenol	U		0.126	3.92	10	06/11/2024 05:01	WG2301591
(S) 2-Fluorophenol	*59.5*			*12.0-120*		*06/11/2024 05:01*	WG2301591
(S) Phenol-d5	*53.4*			*10.0-120*		*06/11/2024 05:01*	WG2301591
(S) Nitrobenzene-d5	*53.8*			*10.0-122*		*06/11/2024 05:01*	WG2301591
(S) 2-Fluorobiphenyl	*61.6*			*15.0-120*		*06/11/2024 05:01*	WG2301591
(S) 2,4,6-Tribromophenol	*38.3*			*10.0-127*		*06/11/2024 05:01*	WG2301591
(S) p-Terphenyl-d14	*55.3*			*10.0-120*		*06/11/2024 05:01*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	06/08/2024 11:13	WG2301199

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.219	0.301	4.12	06/11/2024 17:12	WG2302420
Acrylonitrile	U		0.0218	0.0753	4.12	06/11/2024 17:12	WG2302420
Benzene	0.152		0.00281	0.00602	4.12	06/11/2024 17:12	WG2302420
Bromobenzene	U		0.00542	0.0753	4.12	06/11/2024 17:12	WG2302420
Bromodichloromethane	U		0.00437	0.0151	4.12	06/11/2024 17:12	WG2302420
Bromoform	U		0.00705	0.151	4.12	06/11/2024 17:12	WG2302420
Bromomethane	U		0.0119	0.0753	4.12	06/11/2024 17:12	WG2302420
n-Butylbenzene	0.338		0.0316	0.0753	4.12	06/11/2024 17:12	WG2302420
sec-Butylbenzene	0.442		0.0174	0.0753	4.12	06/11/2024 17:12	WG2302420
tert-Butylbenzene	0.243		0.0117	0.0301	4.12	06/11/2024 17:12	WG2302420
Carbon tetrachloride	U		0.00541	0.0301	4.12	06/11/2024 17:12	WG2302420
Chlorobenzene	U		0.00126	0.0151	4.12	06/11/2024 17:12	WG2302420
Chlorodibromomethane	U		0.00368	0.0151	4.12	06/11/2024 17:12	WG2302420
Chloroethane	1.92		0.0102	0.0301	4.12	06/11/2024 17:12	WG2302420
Chloroform	U		0.00620	0.0151	4.12	06/11/2024 17:12	WG2302420
Chloromethane	U		0.0262	0.0753	4.12	06/11/2024 17:12	WG2302420
2-Chlorotoluene	U		0.00520	0.0151	4.12	06/11/2024 17:12	WG2302420
4-Chlorotoluene	U		0.00270	0.0301	4.12	06/11/2024 17:12	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.0235	0.151	4.12	06/11/2024 17:12	WG2302420
1,2-Dibromoethane	U		0.00390	0.0151	4.12	06/11/2024 17:12	WG2302420
Dibromomethane	U		0.00452	0.0301	4.12	06/11/2024 17:12	WG2302420
1,2-Dichlorobenzene	U		0.00256	0.0301	4.12	06/11/2024 17:12	WG2302420
1,3-Dichlorobenzene	U		0.00361	0.0301	4.12	06/11/2024 17:12	WG2302420
1,4-Dichlorobenzene	U		0.00421	0.0301	4.12	06/11/2024 17:12	WG2302420
Dichlorodifluoromethane	U		0.00969	0.0301	4.12	06/11/2024 17:12	WG2302420
1,1-Dichloroethane	0.124		0.00295	0.0151	4.12	06/11/2024 17:12	WG2302420
1,2-Dichloroethane	U		0.00390	0.0151	4.12	06/11/2024 17:12	WG2302420
1,1-Dichloroethene	0.0171		0.00365	0.0151	4.12	06/11/2024 17:12	WG2302420
cis-1,2-Dichloroethene	U		0.00442	0.0151	4.12	06/11/2024 17:12	WG2302420
trans-1,2-Dichloroethene	U		0.00626	0.0301	4.12	06/11/2024 17:12	WG2302420
1,2-Dichloropropane	U		0.00855	0.0301	4.12	06/11/2024 17:12	WG2302420
1,1-Dichloropropene	U		0.00487	0.0151	4.12	06/11/2024 17:12	WG2302420
1,3-Dichloropropane	U		0.00301	0.0301	4.12	06/11/2024 17:12	WG2302420
cis-1,3-Dichloropropene	U		0.00456	0.0151	4.12	06/11/2024 17:12	WG2302420
trans-1,3-Dichloropropene	U		0.00687	0.0301	4.12	06/11/2024 17:12	WG2302420
2,2-Dichloropropane	U		0.00832	0.0151	4.12	06/11/2024 17:12	WG2302420
Di-isopropyl ether	U		0.00247	0.00602	4.12	06/11/2024 17:12	WG2302420
Ethylbenzene	0.503		0.00444	0.0151	4.12	06/11/2024 17:12	WG2302420
Hexachloro-1,3-butadiene	U		0.0361	0.151	4.12	06/11/2024 17:12	WG2302420
Isopropylbenzene	0.775		0.00256	0.0151	4.12	06/11/2024 17:12	WG2302420
p-Isopropyltoluene	0.118		0.0154	0.0301	4.12	06/11/2024 17:12	WG2302420
2-Butanone (MEK)	U		0.383	0.602	4.12	06/11/2024 17:12	WG2302420
Methylene Chloride	U		0.0401	0.151	4.12	06/11/2024 17:12	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.0137	0.151	4.12	06/11/2024 17:12	WG2302420
Methyl tert-butyl ether	U		0.00211	0.00602	4.12	06/11/2024 17:12	WG2302420
Naphthalene	0.294		0.0294	0.0753	4.12	06/11/2024 17:12	WG2302420
n-Propylbenzene	2.12		0.00572	0.0301	4.12	06/11/2024 17:12	WG2302420
Styrene	U		0.00138	0.0753	4.12	06/11/2024 17:12	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00572	0.0151	4.12	06/11/2024 17:12	WG2302420
1,1,2,2-Tetrachloroethane	U		0.00418	0.0151	4.12	06/11/2024 17:12	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00455	0.0151	4.12	06/11/2024 17:12	WG2302420
Tetrachloroethene	U		0.00539	0.0151	4.12	06/11/2024 17:12	WG2302420
Toluene	0.148		0.00784	0.0301	4.12	06/11/2024 17:12	WG2302420
1,2,3-Trichlorobenzene	U		0.0442	0.0753	4.12	06/11/2024 17:12	WG2302420
1,2,4-Trichlorobenzene	U		0.0265	0.0753	4.12	06/11/2024 17:12	WG2302420
1,1,1-Trichloroethane	0.190		0.00556	0.0151	4.12	06/11/2024 17:12	WG2302420
1,1,2-Trichloroethane	U		0.00360	0.0151	4.12	06/11/2024 17:12	WG2302420
Trichloroethene	U		0.00352	0.00602	4.12	06/11/2024 17:12	WG2302420
Trichlorofluoromethane	U		0.00499	0.0151	4.12	06/11/2024 17:12	WG2302420
1,2,3-Trichloropropane	U		0.00975	0.0753	4.12	06/11/2024 17:12	WG2302420
1,2,4-Trimethylbenzene	1.28		0.00952	0.0301	4.12	06/11/2024 17:12	WG2302420
1,2,3-Trimethylbenzene	0.617		0.00952	0.0301	4.12	06/11/2024 17:12	WG2302420
1,3,5-Trimethylbenzene	0.384		0.0120	0.0301	4.12	06/11/2024 17:12	WG2302420
Vinyl chloride	U		0.00699	0.0151	4.12	06/11/2024 17:12	WG2302420
Xylenes, Total	1.74		0.00531	0.0392	4.12	06/11/2024 17:12	WG2302420
(S) Toluene-d8	*86.2*			*75.0-131*		*06/11/2024 17:12*	WG2302420
(S) 4-Bromofluorobenzene	*257*	J1		*67.0-138*		*06/11/2024 17:12*	WG2302420
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*06/11/2024 17:12*	WG2302420

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.133	0.822	20	06/13/2024 03:23	WG2303704
Acenaphthylene	U		0.116	0.822	20	06/13/2024 03:23	WG2303704
Anthracene	U		0.147	0.822	20	06/13/2024 03:23	WG2303704
Benzidine	U		1.54	41.2	20	06/13/2024 03:23	WG2303704
Benzo(a)anthracene	1.73		0.144	0.822	20	06/13/2024 03:23	WG2303704
Benzo(b)fluoranthene	4.25		0.153	0.822	20	06/13/2024 03:23	WG2303704
Benzo(k)fluoranthene	1.37		0.146	0.822	20	06/13/2024 03:23	WG2303704
Benzo(g,h,i)perylene	1.53		0.151	0.822	20	06/13/2024 03:23	WG2303704
Benzo(a)pyrene	2.19		0.153	0.822	20	06/13/2024 03:23	WG2303704
Bis(2-chlorethoxy)methane	U		0.247	8.22	20	06/13/2024 03:23	WG2303704
Bis(2-chloroethyl)ether	U		0.272	8.22	20	06/13/2024 03:23	WG2303704
2,2-Oxybis(1-Chloropropane)	U		0.356	8.22	20	06/13/2024 03:23	WG2303704
4-Bromophenyl-phenylether	U		0.289	8.22	20	06/13/2024 03:23	WG2303704
2-Chloronaphthalene	U		0.144	0.822	20	06/13/2024 03:23	WG2303704
4-Chlorophenyl-phenylether	U		0.286	8.22	20	06/13/2024 03:23	WG2303704
Chrysene	3.49		0.163	0.822	20	06/13/2024 03:23	WG2303704
Dibenz(a,h)anthracene	0.533	J	0.228	0.822	20	06/13/2024 03:23	WG2303704
1,2-Dichlorobenzene	U		0.243	8.22	20	06/13/2024 03:23	WG2303704
1,3-Dichlorobenzene	U		0.249	8.22	20	06/13/2024 03:23	WG2303704
1,4-Dichlorobenzene	U		0.244	8.22	20	06/13/2024 03:23	WG2303704
3,3-Dichlorobenzidine	U		0.304	8.22	20	06/13/2024 03:23	WG2303704
2,4-Dinitrotoluene	U		0.236	8.22	20	06/13/2024 03:23	WG2303704
2,6-Dinitrotoluene	U		0.269	8.22	20	06/13/2024 03:23	WG2303704
Fluoranthene	1.26		0.148	0.822	20	06/13/2024 03:23	WG2303704
Fluorene	U		0.133	0.822	20	06/13/2024 03:23	WG2303704
Hexachlorobenzene	U		0.291	8.22	20	06/13/2024 03:23	WG2303704
Hexachloro-1,3-butadiene	U		0.277	8.22	20	06/13/2024 03:23	WG2303704
Hexachlorocyclopentadiene	U		0.432	8.22	20	06/13/2024 03:23	WG2303704
Hexachloroethane	U		0.323	8.22	20	06/13/2024 03:23	WG2303704
Indeno(1,2,3-cd)pyrene	1.48		0.232	0.822	20	06/13/2024 03:23	WG2303704
Isophorone	U		0.252	8.22	20	06/13/2024 03:23	WG2303704
Naphthalene	0.270	J	0.206	0.822	20	06/13/2024 03:23	WG2303704
Nitrobenzene	U		0.286	8.22	20	06/13/2024 03:23	WG2303704
n-Nitrosodimethylamine	U		1.22	8.22	20	06/13/2024 03:23	WG2303704

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.622	8.22	20	06/13/2024 03:23	WG2303704
n-Nitrosodi-n-propylamine	U		0.274	8.22	20	06/13/2024 03:23	WG2303704
Phenanthrene	0.522	J	0.163	0.822	20	06/13/2024 03:23	WG2303704
Benzylbutyl phthalate	U		0.257	8.22	20	06/13/2024 03:23	WG2303704
Bis(2-ethylhexyl)phthalate	U		1.04	8.22	20	06/13/2024 03:23	WG2303704
Di-n-butyl phthalate	U		0.281	8.22	20	06/13/2024 03:23	WG2303704
Diethyl phthalate	U		0.272	8.22	20	06/13/2024 03:23	WG2303704
Dimethyl phthalate	U		1.74	8.22	20	06/13/2024 03:23	WG2303704
Di-n-octyl phthalate	U		0.556	8.22	20	06/13/2024 03:23	WG2303704
Pyrene	1.85		0.161	0.822	20	06/13/2024 03:23	WG2303704
1,2,4-Trichlorobenzene	U		0.257	8.22	20	06/13/2024 03:23	WG2303704
4-Chloro-3-methylphenol	U		0.267	8.22	20	06/13/2024 03:23	WG2303704
2-Chlorophenol	U		0.272	8.22	20	06/13/2024 03:23	WG2303704
2,4-Dichlorophenol	U		0.240	8.22	20	06/13/2024 03:23	WG2303704
2,4-Dimethylphenol	U		0.215	8.22	20	06/13/2024 03:23	WG2303704
4,6-Dinitro-2-methylphenol	U		1.86	8.22	20	06/13/2024 03:23	WG2303704
2,4-Dinitrophenol	U		1.93	8.22	20	06/13/2024 03:23	WG2303704
2-Nitrophenol	U		0.294	8.22	20	06/13/2024 03:23	WG2303704
4-Nitrophenol	U		0.257	8.22	20	06/13/2024 03:23	WG2303704
Pentachlorophenol	U		0.221	8.22	20	06/13/2024 03:23	WG2303704
Phenol	U		0.331	8.22	20	06/13/2024 03:23	WG2303704
2,4,6-Trichlorophenol	U		0.264	8.22	20	06/13/2024 03:23	WG2303704
(S) 2-Fluorophenol	*0.000*	J7		*12.0-120*		*06/13/2024 03:23*	WG2303704
(S) Phenol-d5	*94.8*	J7		*10.0-120*		*06/13/2024 03:23*	WG2303704
(S) Nitrobenzene-d5	*0.000*	J7		*10.0-122*		*06/13/2024 03:23*	WG2303704
(S) 2-Fluorobiphenyl	*104*	J7		*15.0-120*		*06/13/2024 03:23*	WG2303704
(S) 2,4,6-Tribromophenol	*82.1*	J7		*10.0-127*		*06/13/2024 03:23*	WG2303704
(S) p-Terphenyl-d14	*110*	J7		*10.0-120*		*06/13/2024 03:23*	WG2303704

Sample Narrative:

L1741416-35 WG2303704: Dilution due to matrix impact during concentration procedure. Surrogate failure due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.9		1	06/01/2024 10:34	WG2296618

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	275		2.14	6.44	42.8	06/04/2024 08:35	WG2297583
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-120*		*06/04/2024 08:35*	WG2297583

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0617	0.0845	1	06/05/2024 07:01	WG2298650
Acrylonitrile	U		0.00610	0.0211	1	06/05/2024 07:01	WG2298650
Benzene	0.0147		0.000789	0.00169	1	06/05/2024 07:01	WG2298650
Bromobenzene	U		0.00152	0.0211	1	06/05/2024 07:01	WG2298650
Bromodichloromethane	U		0.00123	0.00422	1	06/05/2024 07:01	WG2298650
Bromoform	U		0.00198	0.0422	1	06/05/2024 07:01	WG2298650
Bromomethane	U		0.00333	0.0211	1	06/05/2024 07:01	WG2298650
n-Butylbenzene	0.179		0.00887	0.0211	1	06/05/2024 07:01	WG2298650
sec-Butylbenzene	0.163		0.00487	0.0211	1	06/05/2024 07:01	WG2298650
tert-Butylbenzene	0.0204		0.00330	0.00845	1	06/05/2024 07:01	WG2298650
Carbon tetrachloride	U		0.00152	0.00845	1	06/05/2024 07:01	WG2298650
Chlorobenzene	U		0.000355	0.00422	1	06/05/2024 07:01	WG2298650
Chlorodibromomethane	U		0.00103	0.00422	1	06/05/2024 07:01	WG2298650
Chloroethane	0.260		0.00287	0.00845	1	06/06/2024 23:51	WG2300243
Chloroform	U		0.00174	0.00422	1	06/05/2024 07:01	WG2298650
Chloromethane	U		0.00735	0.0211	1	06/05/2024 07:01	WG2298650
2-Chlorotoluene	U		0.00146	0.00422	1	06/05/2024 07:01	WG2298650
4-Chlorotoluene	U		0.000760	0.00845	1	06/05/2024 07:01	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00659	0.0422	1	06/05/2024 07:01	WG2298650
1,2-Dibromoethane	U		0.00110	0.00422	1	06/05/2024 07:01	WG2298650
Dibromomethane	U		0.00127	0.00845	1	06/05/2024 07:01	WG2298650
1,2-Dichlorobenzene	U		0.000718	0.00845	1	06/05/2024 07:01	WG2298650
1,3-Dichlorobenzene	U		0.00101	0.00845	1	06/05/2024 07:01	WG2298650
1,4-Dichlorobenzene	U		0.00118	0.00845	1	06/05/2024 07:01	WG2298650
Dichlorodifluoromethane	U		0.00272	0.00845	1	06/05/2024 07:01	WG2298650
1,1-Dichloroethane	0.00208	J	0.000830	0.00422	1	06/05/2024 07:01	WG2298650
1,2-Dichloroethane	U		0.00110	0.00422	1	06/05/2024 07:01	WG2298650
1,1-Dichloroethene	U		0.00102	0.00422	1	06/05/2024 07:01	WG2298650
cis-1,2-Dichloroethene	U		0.00124	0.00422	1	06/05/2024 07:01	WG2298650
trans-1,2-Dichloroethene	U		0.00176	0.00845	1	06/05/2024 07:01	WG2298650
1,2-Dichloropropane	U		0.00240	0.00845	1	06/05/2024 07:01	WG2298650
1,1-Dichloropropene	U		0.00137	0.00422	1	06/05/2024 07:01	WG2298650
1,3-Dichloropropane	U		0.000847	0.00845	1	06/05/2024 07:01	WG2298650
cis-1,3-Dichloropropene	U		0.00128	0.00422	1	06/05/2024 07:01	WG2298650
trans-1,3-Dichloropropene	U		0.00193	0.00845	1	06/05/2024 07:01	WG2298650
2,2-Dichloropropane	U		0.00233	0.00422	1	06/05/2024 07:01	WG2298650
Di-isopropyl ether	U		0.000693	0.00169	1	06/05/2024 07:01	WG2298650
Ethylbenzene	0.248		0.00125	0.00422	1	06/06/2024 23:51	WG2300243
Hexachloro-1,3-butadiene	U		0.0101	0.0422	1	06/05/2024 07:01	WG2298650
Isopropylbenzene	0.330		0.000718	0.00422	1	06/05/2024 07:01	WG2298650
p-Isopropyltoluene	0.0542		0.00431	0.00845	1	06/05/2024 07:01	WG2298650
2-Butanone (MEK)	U		0.107	0.169	1	06/05/2024 07:01	WG2298650
Methylene Chloride	U		0.0112	0.0422	1	06/05/2024 07:01	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00385	0.0422	1	06/05/2024 07:01	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000591	0.00169	1	06/05/2024 07:01	WG2298650
Naphthalene	0.357		0.00825	0.0211	1	06/05/2024 07:01	WG2298650
n-Propylbenzene	1.12		0.00161	0.00845	1	06/05/2024 07:01	WG2298650
Styrene	U		0.000387	0.0211	1	06/05/2024 07:01	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00160	0.00422	1	06/05/2024 07:01	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00117	0.00422	1	06/05/2024 07:01	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00422	1	06/05/2024 07:01	WG2298650
Tetrachloroethene	U		0.00151	0.00422	1	06/05/2024 07:01	WG2298650
Toluene	0.00825	J	0.00220	0.00845	1	06/05/2024 07:01	WG2298650
1,2,3-Trichlorobenzene	U		0.0124	0.0211	1	06/05/2024 07:01	WG2298650
1,2,4-Trichlorobenzene	U		0.00744	0.0211	1	06/05/2024 07:01	WG2298650
1,1,1-Trichloroethane	U		0.00156	0.00422	1	06/05/2024 07:01	WG2298650
1,1,2-Trichloroethane	U		0.00101	0.00422	1	06/05/2024 07:01	WG2298650
Trichloroethene	U		0.000987	0.00169	1	06/05/2024 07:01	WG2298650
Trichlorofluoromethane	U		0.00140	0.00422	1	06/05/2024 07:01	WG2298650
1,2,3-Trichloropropane	U		0.00274	0.0211	1	06/05/2024 07:01	WG2298650
1,2,4-Trimethylbenzene	0.387		0.00267	0.00845	1	06/05/2024 07:01	WG2298650
1,2,3-Trimethylbenzene	0.766		0.00267	0.00845	1	06/05/2024 07:01	WG2298650
1,3,5-Trimethylbenzene	0.102		0.00338	0.00845	1	06/05/2024 07:01	WG2298650
Vinyl chloride	U		0.00196	0.00422	1	06/05/2024 07:01	WG2298650
Xylenes, Total	0.0668		0.00149	0.0110	1	06/05/2024 07:01	WG2298650
(S) Toluene-d8	*86.5*			*75.0-131*		*06/05/2024 07:01*	WG2298650
(S) Toluene-d8	*82.7*			*75.0-131*		*06/06/2024 23:51*	WG2300243
(S) 4-Bromofluorobenzene	*131*			*67.0-138*		*06/05/2024 07:01*	WG2298650
(S) 4-Bromofluorobenzene	*130*			*67.0-138*		*06/06/2024 23:51*	WG2300243
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*06/05/2024 07:01*	WG2298650
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*06/06/2024 23:51*	WG2300243

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.48		0.966	5.27	1	06/06/2024 21:00	WG2299541
C22-C32 Hydrocarbons	8.67		1.75	5.27	1	06/06/2024 21:00	WG2299541
C32-C40 Hydrocarbons	10.1		1.75	5.27	1	06/06/2024 21:00	WG2299541
(S) o-Terphenyl	*61.9*			*18.0-148*		*06/06/2024 21:00*	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.142	0.878	20	06/13/2024 04:24	WG2303704
Acenaphthylene	U		0.124	0.878	20	06/13/2024 04:24	WG2303704
Anthracene	U		0.157	0.878	20	06/13/2024 04:24	WG2303704
Benzidine	U	J5	1.65	44.0	20	06/13/2024 04:24	WG2303704
Benzo(a)anthracene	U		0.154	0.878	20	06/13/2024 04:24	WG2303704
Benzo(b)fluoranthene	U		0.163	0.878	20	06/13/2024 04:24	WG2303704
Benzo(k)fluoranthene	U		0.156	0.878	20	06/13/2024 04:24	WG2303704
Benzo(g,h,i)perylene	U		0.161	0.878	20	06/13/2024 04:24	WG2303704
Benzo(a)pyrene	U		0.163	0.878	20	06/13/2024 04:24	WG2303704
Bis(2-chlorethoxy)methane	U		0.264	8.78	20	06/13/2024 04:24	WG2303704
Bis(2-chloroethyl)ether	U	J3 J5 J6	0.290	8.78	20	06/13/2024 04:24	WG2303704
2,2-Oxybis(1-Chloropropane)	U	J3 J6	0.380	8.78	20	06/13/2024 04:24	WG2303704
4-Bromophenyl-phenylether	U		0.308	8.78	20	06/13/2024 04:24	WG2303704
2-Chloronaphthalene	U		0.154	0.878	20	06/13/2024 04:24	WG2303704
4-Chlorophenyl-phenylether	U		0.306	8.78	20	06/13/2024 04:24	WG2303704
Chrysene	U		0.174	0.878	20	06/13/2024 04:24	WG2303704

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dibenz(a,h)anthracene	U		0.244	0.878	20	06/13/2024 04:24	WG2303704
1,2-Dichlorobenzene	U		0.260	8.78	20	06/13/2024 04:24	WG2303704
1,3-Dichlorobenzene	U		0.266	8.78	20	06/13/2024 04:24	WG2303704
1,4-Dichlorobenzene	U		0.261	8.78	20	06/13/2024 04:24	WG2303704
3,3-Dichlorobenzidine	U		0.324	8.78	20	06/13/2024 04:24	WG2303704
2,4-Dinitrotoluene	U		0.252	8.78	20	06/13/2024 04:24	WG2303704
2,6-Dinitrotoluene	U		0.287	8.78	20	06/13/2024 04:24	WG2303704
Fluoranthene	U		0.158	0.878	20	06/13/2024 04:24	WG2303704
Fluorene	U		0.142	0.878	20	06/13/2024 04:24	WG2303704
Hexachlorobenzene	U		0.311	8.78	20	06/13/2024 04:24	WG2303704
Hexachloro-1,3-butadiene	U		0.295	8.78	20	06/13/2024 04:24	WG2303704
Hexachlorocyclopentadiene	U	J6	0.461	8.78	20	06/13/2024 04:24	WG2303704
Hexachloroethane	U	J5	0.345	8.78	20	06/13/2024 04:24	WG2303704
Indeno(1,2,3-cd)pyrene	U		0.248	0.878	20	06/13/2024 04:24	WG2303704
Isophorone	U	J5	0.269	8.78	20	06/13/2024 04:24	WG2303704
Naphthalene	0.246	J	0.220	0.878	20	06/13/2024 04:24	WG2303704
Nitrobenzene	U		0.306	8.78	20	06/13/2024 04:24	WG2303704
n-Nitrosodimethylamine	U	J6	1.30	8.78	20	06/13/2024 04:24	WG2303704
n-Nitrosodiphenylamine	U		0.664	8.78	20	06/13/2024 04:24	WG2303704
n-Nitrosodi-n-propylamine	U	J3 J5 J6	0.293	8.78	20	06/13/2024 04:24	WG2303704
Phenanthrene	0.200	J	0.174	0.878	20	06/13/2024 04:24	WG2303704
Benzylbutyl phthalate	U		0.274	8.78	20	06/13/2024 04:24	WG2303704
Bis(2-ethylhexyl)phthalate	U	J6	1.11	8.78	20	06/13/2024 04:24	WG2303704
Di-n-butyl phthalate	U		0.301	8.78	20	06/13/2024 04:24	WG2303704
Diethyl phthalate	U		0.290	8.78	20	06/13/2024 04:24	WG2303704
Dimethyl phthalate	U		1.86	8.78	20	06/13/2024 04:24	WG2303704
Di-n-octyl phthalate	U		0.593	8.78	20	06/13/2024 04:24	WG2303704
Pyrene	U	J5	0.171	0.878	20	06/13/2024 04:24	WG2303704
1,2,4-Trichlorobenzene	U		0.274	8.78	20	06/13/2024 04:24	WG2303704
4-Chloro-3-methylphenol	U		0.285	8.78	20	06/13/2024 04:24	WG2303704
2-Chlorophenol	U		0.290	8.78	20	06/13/2024 04:24	WG2303704
2,4-Dichlorophenol	U	J3	0.256	8.78	20	06/13/2024 04:24	WG2303704
2,4-Dimethylphenol	U	J5	0.229	8.78	20	06/13/2024 04:24	WG2303704
4,6-Dinitro-2-methylphenol	U		1.99	8.78	20	06/13/2024 04:24	WG2303704
2,4-Dinitrophenol	U	J6	2.06	8.78	20	06/13/2024 04:24	WG2303704
2-Nitrophenol	U	J5	0.314	8.78	20	06/13/2024 04:24	WG2303704
4-Nitrophenol	U		0.274	8.78	20	06/13/2024 04:24	WG2303704
Pentachlorophenol	U		0.236	8.78	20	06/13/2024 04:24	WG2303704
Phenol	U		0.353	8.78	20	06/13/2024 04:24	WG2303704
2,4,6-Trichlorophenol	U		0.282	8.78	20	06/13/2024 04:24	WG2303704
(S) 2-Fluorophenol	*80.1*	J7		*12.0-120*		*06/13/2024 04:24*	WG2303704
(S) Phenol-d5	*84.8*	J7		*10.0-120*		*06/13/2024 04:24*	WG2303704
(S) Nitrobenzene-d5	*0.000*	J7		*10.0-122*		*06/13/2024 04:24*	WG2303704
(S) 2-Fluorobiphenyl	*95.7*	J7		*15.0-120*		*06/13/2024 04:24*	WG2303704
(S) 2,4,6-Tribromophenol	*68.1*	J7		*10.0-127*		*06/13/2024 04:24*	WG2303704
(S) p-Terphenyl-d14	*100*	J7		*10.0-120*		*06/13/2024 04:24*	WG2303704

Sample Narrative:

L1741416-36 WG2303704: Dilution due to matrix impact during extraction procedure. Surrogate failure due to matrix.

Method Blank (MB)

(MB) R4076430-1 06/01/24 11:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1741819-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1741819-12 06/01/24 11:02 • (DUP) R4076430-3 06/01/24 11:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.7	94.4	1	0.277		10

Laboratory Control Sample (LCS)

(LCS) R4076430-2 06/01/24 11:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076426-1 06/01/24 10:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00500	J		

L1741416-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1741416-19 06/01/24 10:49 • (DUP) R4076426-3 06/01/24 10:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	72.0	68.4	1	5.07		10

Laboratory Control Sample (LCS)

(LCS) R4076426-2 06/01/24 10:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076423-1 06/01/24 10:34

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741416-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1741416-32 06/01/24 10:34 • (DUP) R4076423-3 06/01/24 10:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.7	84.1	1	0.470		10

Laboratory Control Sample (LCS)

(LCS) R4076423-2 06/01/24 10:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.8	90.0-110	

Method Blank (MB)

(MB) R4079378-1 06/08/24 11:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1743816-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1743816-01 06/08/24 11:13 • (DUP) R4079378-3 06/08/24 11:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	89.4	89.7	1	0.389		10

Laboratory Control Sample (LCS)

(LCS) R4079378-2 06/08/24 11:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4081614-1 06/13/24 07:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1745638-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1745638-02 06/13/24 07:19 • (DUP) R4081614-3 06/13/24 07:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.5	93.5	1	0.0579		10

Laboratory Control Sample (LCS)

(LCS) R4081614-2 06/13/24 07:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4077008-1 06/04/24 13:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4077008-2 06/04/24 13:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	3.01	100	80.0-120	

L1741504-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741504-11 06/04/24 13:16 • (MS) R4077008-4 06/04/24 13:21 • (MSD) R4077008-5 06/04/24 13:23

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	U	2.98	3.02	99.2	101	1	75.0-125			1.65	20

Method Blank (MB)

(MB) R4076181-6 06/01/24 14:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076181-7 06/01/24 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.483	96.7	80.0-120	

L1741795-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741795-01 06/01/24 14:45 • (MS) R4076181-9 06/01/24 14:50 • (MSD) R4076181-10 06/01/24 14:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.562	0.555	112	111	1	75.0-125			1.20	20

Method Blank (MB)

(MB) R4076361-1 06/02/24 21:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076361-2 06/02/24 21:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.463	92.5	80.0-120	

L1741265-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741265-18 06/02/24 21:07 • (MS) R4076361-4 06/02/24 21:19 • (MSD) R4076361-5 06/02/24 21:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.0773	0.495	0.496	83.5	83.6	1	75.0-125			0.161	20

Method Blank (MB)

(MB) R4076363-1 06/02/24 23:25

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076363-2 06/02/24 23:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.453	90.6	80.0-120	

L1741568-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741568-04 06/02/24 23:29 • (MS) R4076363-4 06/02/24 23:48 • (MSD) R4076363-5 06/02/24 23:50

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.569	0.0218	0.502	0.495	84.3	83.2	1	75.0-125			1.25	20

Method Blank (MB)

(MB) R4081812-1 06/14/24 09:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4081812-2 06/14/24 09:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.559	112	80.0-120	

L1741416-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-20 06/14/24 09:48 • (MS) R4081812-4 06/14/24 09:53 • (MSD) R4081812-5 06/14/24 09:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.660	0.0600	0.715	0.688	99.2	95.1	1	75.0-125			3.83	20

Method Blank (MB)

(MB) R4077415-1 06/04/24 23:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	0.0484	J	0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	0.196	J	0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	1.30	J	0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077415-2 06/04/24 23:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	93.6	93.6	80.0-120	
Arsenic	100	90.8	90.8	80.0-120	
Barium	100	97.7	97.7	80.0-120	
Beryllium	100	94.5	94.5	80.0-120	
Cadmium	100	89.7	89.7	80.0-120	
Chromium	100	92.7	92.7	80.0-120	
Cobalt	100	87.9	87.9	80.0-120	
Copper	100	81.1	81.1	80.0-120	
Lead	100	89.8	89.8	80.0-120	
Molybdenum	100	95.5	95.5	80.0-120	
Nickel	100	87.5	87.5	80.0-120	
Selenium	100	87.9	87.9	80.0-120	
Silver	20.0	19.1	95.3	80.0-120	
Thallium	100	94.5	94.5	80.0-120	
Vanadium	100	90.5	90.5	80.0-120	
Zinc	100	88.3	88.3	80.0-120	

L1741568-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741568-14 06/04/24 23:47 • (MS) R4077415-5 06/04/24 23:57 • (MSD) R4077415-6 06/05/24 00:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	122	U	83.5	87.0	68.2	71.1	1	75.0-125	J6	J6	4.13	20
Arsenic	122	1.05	105	111	84.6	89.9	1	75.0-125			6.00	20
Barium	122	34.6	141	145	86.5	90.6	1	75.0-125			3.49	20
Cadmium	122	0.0838	103	109	84.3	89.0	1	75.0-125			5.47	20
Chromium	122	7.30	116	121	88.7	93.2	1	75.0-125			4.57	20
Cobalt	122	2.69	105	111	83.7	88.8	1	75.0-125			5.73	20
Copper	122	4.10	104	110	81.5	86.8	1	75.0-125			6.08	20
Lead	122	11.1	115	120	84.8	89.4	1	75.0-125			4.80	20
Molybdenum	122	0.571	107	113	86.8	92.3	1	75.0-125			6.04	20
Nickel	122	5.44	108	114	83.7	88.5	1	75.0-125			5.37	20
Selenium	122	1.84	101	109	80.9	88.0	1	75.0-125			8.21	20
Silver	24.5	0.230	22.5	23.9	91.1	96.9	1	75.0-125			6.15	20
Thallium	122	U	107	113	87.3	92.4	1	75.0-125			5.65	20
Vanadium	122	17.0	126	133	89.2	95.0	1	75.0-125			5.52	20
Zinc	122	25.3	129	134	84.6	88.9	1	75.0-125			3.99	20

Method Blank (MB)

(MB) R4079060-1 06/08/24 10:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4079060-2 06/08/24 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	96.1	96.1	80.0-120	
Arsenic	100	97.0	97.0	80.0-120	
Barium	100	101	101	80.0-120	
Beryllium	100	98.3	98.3	80.0-120	
Cadmium	100	96.1	96.1	80.0-120	
Chromium	100	102	102	80.0-120	
Cobalt	100	95.2	95.2	80.0-120	
Copper	100	99.8	99.8	80.0-120	
Lead	100	96.7	96.7	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	94.4	94.4	80.0-120	
Selenium	100	87.5	87.5	80.0-120	
Silver	20.0	19.8	99.0	80.0-120	
Thallium	100	99.2	99.2	80.0-120	
Vanadium	100	96.7	96.7	80.0-120	
Zinc	100	97.4	97.4	80.0-120	

L1741900-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741900-19 06/08/24 10:06 • (MS) R4079060-5 06/08/24 10:11 • (MSD) R4079060-6 06/08/24 10:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	3.07	71.9	73.2	68.8	70.2	1	75.0-125	J6	J6	1.85	20
Arsenic	100	15.1	114	120	98.7	104	1	75.0-125			4.94	20
Barium	100	101	199	218	98.2	116	1	75.0-125			8.77	20
Beryllium	100	0.599	103	109	103	108	1	75.0-125			4.91	20
Cadmium	100	0.784	101	105	100	105	1	75.0-125			4.26	20
Chromium	100	14.4	119	123	105	109	1	75.0-125			3.22	20
Cobalt	100	5.52	106	111	100	105	1	75.0-125			4.95	20
Copper	100	158	211	221	53.2	63.3	1	75.0-125	J6	J6	4.69	20
Lead	100	188	280	212	91.7	23.6	1	75.0-125		J3 J6	27.7	20
Molybdenum	100	1.26	101	107	99.4	105	1	75.0-125			5.86	20
Nickel	100	13.1	112	120	98.9	107	1	75.0-125			6.61	20
Selenium	100	U	93.5	98.6	93.5	98.6	1	75.0-125			5.31	20
Silver	20.0	0.327	21.1	22.2	104	110	1	75.0-125			5.26	20
Thallium	100	U	92.6	97.9	92.6	97.9	1	75.0-125			5.62	20
Vanadium	100	10.2	112	118	102	107	1	75.0-125			5.08	20
Zinc	100	289	310	266	20.7	0.000	1	75.0-125	J6	J6	15.1	20

Method Blank (MB)

(MB) R4077877-1 06/06/24 00:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	0.139	J	0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077877-2 06/06/24 00:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	100	100	80.0-120	
Arsenic	100	101	101	80.0-120	
Barium	100	104	104	80.0-120	
Beryllium	100	104	104	80.0-120	
Cadmium	100	102	102	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	96.2	96.2	80.0-120	
Copper	100	99.0	99.0	80.0-120	
Lead	100	103	103	80.0-120	
Molybdenum	100	105	105	80.0-120	
Nickel	100	102	102	80.0-120	
Selenium	100	95.7	95.7	80.0-120	
Silver	20.0	21.3	106	80.0-120	
Thallium	100	104	104	80.0-120	
Vanadium	100	103	103	80.0-120	
Zinc	100	103	103	80.0-120	

L1741158-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741158-04 06/06/24 00:03 • (MS) R4077877-5 06/06/24 00:08 • (MSD) R4077877-6 06/06/24 00:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	115	2.72	71.5	72.2	59.7	60.4	1	75.0-125	J6	J6	1.05	20
Arsenic	115	4.66	131	129	109	108	1	75.0-125			1.17	20
Barium	115	78.0	211	208	116	113	1	75.0-125			1.78	20
Beryllium	115	0.632	133	133	115	115	1	75.0-125			0.342	20
Cadmium	115	0.476	128	127	111	110	1	75.0-125			0.767	20
Chromium	115	22.0	154	152	114	113	1	75.0-125			1.08	20
Cobalt	115	15.3	138	137	107	106	1	75.0-125			0.642	20
Copper	115	12.1	144	140	115	111	1	75.0-125			3.10	20
Lead	115	46.7	165	164	102	102	1	75.0-125			0.105	20
Molybdenum	115	1.08	128	127	110	110	1	75.0-125			0.660	20
Nickel	115	23.3	148	146	109	107	1	75.0-125			1.23	20
Selenium	115	U	120	119	104	103	1	75.0-125			0.963	20
Silver	23.0	U	25.3	25.1	110	109	1	75.0-125			1.05	20
Thallium	115	1.29	128	128	110	110	1	75.0-125			0.0418	20
Vanadium	115	30.6	157	156	110	109	1	75.0-125			0.945	20
Zinc	115	98.4	233	231	117	115	1	75.0-125			0.746	20

Method Blank (MB)

(MB) R4078986-1 06/07/24 18:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	0.267	J	0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	0.275	J	0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4078986-2 06/07/24 18:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	97.6	97.6	80.0-120	
Arsenic	100	94.3	94.3	80.0-120	
Barium	100	98.2	98.2	80.0-120	
Beryllium	100	106	106	80.0-120	
Cadmium	100	95.8	95.8	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	96.6	96.6	80.0-120	
Copper	100	94.0	94.0	80.0-120	
Lead	100	97.2	97.2	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	96.5	96.5	80.0-120	
Selenium	100	94.6	94.6	80.0-120	
Silver	20.0	19.2	95.8	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	109	109	80.0-120	
Zinc	100	91.8	91.8	80.0-120	

L1741413-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741413-04 06/07/24 18:28 • (MS) R4078986-5 06/07/24 18:37 • (MSD) R4078986-6 06/07/24 18:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	105	1.56	33.5	30.8	30.4	27.8	1	75.0-125	J6	J6	8.48	20
Arsenic	105	7.69	105	105	92.4	92.7	1	75.0-125			0.339	20
Barium	105	171	267	275	91.3	99.4	1	75.0-125			3.16	20
Beryllium	105	1.29	108	108	102	102	1	75.0-125			0.130	20
Cadmium	105	0.324	100	99.1	95.4	94.2	1	75.0-125			1.24	20
Chromium	105	20.0	130	130	105	105	1	75.0-125			0.118	20
Cobalt	105	11.1	116	115	100	98.7	1	75.0-125			1.36	20
Copper	105	73.6	180	183	101	104	1	75.0-125			1.94	20
Lead	105	36.5	141	141	99.5	100	1	75.0-125			0.415	20
Molybdenum	105	0.316	95.0	93.6	90.3	89.0	1	75.0-125			1.46	20
Nickel	105	17.6	122	120	99.5	98.0	1	75.0-125			1.30	20
Selenium	105	U	97.1	96.3	92.6	91.8	1	75.0-125			0.840	20
Silver	21.0	U	20.9	20.8	99.5	99.1	1	75.0-125			0.417	20
Thallium	105	U	101	99.0	96.3	94.3	1	75.0-125			2.06	20
Vanadium	105	45.1	157	166	107	116	1	75.0-125			5.73	20
Zinc	105	86.4	174	177	83.9	86.3	1	75.0-125			1.42	20

Method Blank (MB)

(MB) R4083679-12 06/19/24 09:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	0.0656	J	0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4083679-13 06/19/24 09:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	97.8	97.8	80.0-120	
Arsenic	100	100	100	80.0-120	
Barium	100	104	104	80.0-120	
Beryllium	100	100	100	80.0-120	
Cadmium	100	98.9	98.9	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	98.2	98.2	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	100	100	80.0-120	
Molybdenum	100	103	103	80.0-120	
Nickel	100	98.4	98.4	80.0-120	
Selenium	100	100	100	80.0-120	
Silver	20.0	22.1	110	80.0-120	
Thallium	100	104	104	80.0-120	
Vanadium	100	99.3	99.3	80.0-120	
Zinc	100	100	100	80.0-120	

L1741416-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-20 06/19/24 09:46 • (MS) R4083679-16 06/19/24 09:51 • (MSD) R4083679-17 06/19/24 09:52

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	132	7.07	55.2	58.6	36.4	39.0	1	75.0-125	J6	J6	6.11	20
Arsenic	132	4.22	128	126	93.8	92.2	1	75.0-125			1.68	20
Barium	132	339	458	446	90.4	81.7	1	75.0-125			2.54	20
Beryllium	132	1.08	128	128	96.1	95.8	1	75.0-125			0.224	20
Cadmium	132	0.378	124	124	93.9	93.6	1	75.0-125			0.326	20
Chromium	132	87.5	215	210	96.4	92.7	1	75.0-125			2.33	20
Cobalt	132	9.85	142	143	99.8	101	1	75.0-125			1.20	20
Copper	132	41.4	171	174	98.1	100	1	75.0-125			1.77	20
Lead	132	63.9	248	331	139	202	1	75.0-125	J5	J3 J5	28.6	20
Molybdenum	132	U	115	115	87.2	87.4	1	75.0-125			0.258	20
Nickel	132	57.2	176	170	90.2	85.2	1	75.0-125			3.84	20
Selenium	132	U	136	138	103	105	1	75.0-125			1.36	20
Silver	26.4	U	29.8	30.7	113	116	1	75.0-125			3.17	20
Thallium	132	U	121	120	91.3	91.2	1	75.0-125			0.0342	20
Vanadium	132	87.5	214	210	96.2	92.7	1	75.0-125			2.15	20
Zinc	132	75.9	198	195	92.5	90.4	1	75.0-125			1.36	20

Method Blank (MB)

(MB) R4088878-1 07/01/24 19:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.208	0.500

Laboratory Control Sample (LCS)

(LCS) R4088878-2 07/01/24 19:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	92.2	92.2	80.0-120	

L1741921-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-16 07/01/24 19:55 • (MS) R4088878-5 07/01/24 20:00 • (MSD) R4088878-6 07/01/24 20:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	123	31.9	127	133	76.6	82.2	1	75.0-125			5.30	20

Method Blank (MB)

(MB) R4089191-7 07/02/24 14:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Method Blank (MB)

(MB) R4089371-1 07/02/24 18:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Beryllium	U		0.190	2.00
Thallium	U		0.121	2.00

Laboratory Control Sample (LCS)

(LCS) R4089191-8 07/02/24 14:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	52.0	104	80.0-120	
Arsenic	50.0	49.2	98.3	80.0-120	
Barium	50.0	46.4	92.7	80.0-120	
Cadmium	50.0	51.2	102	80.0-120	
Chromium	50.0	50.1	100	80.0-120	
Copper	50.0	50.6	101	80.0-120	
Cobalt	50.0	51.0	102	80.0-120	
Lead	50.0	48.2	96.4	80.0-120	
Molybdenum	50.0	48.2	96.4	80.0-120	
Nickel	50.0	51.3	103	80.0-120	
Selenium	50.0	49.4	98.9	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4089191-8 07/02/24 14:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	50.0	49.1	98.3	80.0-120	
Vanadium	50.0	48.7	97.5	80.0-120	
Zinc	50.0	46.9	93.7	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4089371-2 07/02/24 18:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Beryllium	50.0	48.0	96.0	80.0-120	
Thallium	50.0	47.5	95.0	80.0-120	

L1745528-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745528-02 07/02/24 14:28 • (MS) R4089191-10 07/02/24 14:35 • (MSD) R4089191-11 07/02/24 14:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	49.6	48.4	99.2	96.8	1	75.0-125			2.47	20
Arsenic	50.0	41.0	87.2	89.8	92.4	97.5	1	75.0-125			2.91	20
Barium	50.0	135	195	212	121	155	1	75.0-125		J5	8.46	20
Cadmium	50.0	0.640	52.2	52.9	103	104	1	75.0-125			1.36	20
Chromium	50.0	12.3	60.4	61.7	96.1	98.7	1	75.0-125			2.12	20
Copper	50.0	9.75	59.9	62.2	100	105	1	75.0-125			3.80	20
Cobalt	50.0	9.38	57.4	59.4	96.0	100	1	75.0-125			3.35	20
Lead	50.0	7.74	55.4	58.3	95.3	101	1	75.0-125			5.16	20
Molybdenum	50.0	2.05	52.5	53.8	101	103	1	75.0-125			2.42	20
Nickel	50.0	20.3	68.0	68.7	95.4	96.9	1	75.0-125			1.10	20
Selenium	50.0	0.438	50.3	50.8	99.7	101	1	75.0-125			0.993	20
Silver	50.0	U	47.8	48.1	95.5	96.3	1	75.0-125			0.811	20
Vanadium	50.0	15.9	63.5	64.1	95.2	96.4	1	75.0-125			0.941	20
Zinc	50.0	84.6	129	131	88.3	93.1	1	75.0-125			1.86	20

L1745528-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745528-02 07/02/24 18:26 • (MS) R4089371-4 07/02/24 18:33 • (MSD) R4089371-5 07/02/24 18:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Beryllium	50.0	0.510	51.0	50.5	101	100	1	75.0-125			0.968	20
Thallium	50.0	0.249	48.9	46.8	97.3	93.1	1	75.0-125			4.38	20

Method Blank (MB)

(MB) R4076889-3 06/03/24 12:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.69	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076889-1 06/03/24 10:43 • (LCSD) R4076889-2 06/03/24 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.62	5.55	112	111	72.0-125			1.25	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*102*	*77.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4078322-2 06/04/24 00:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.03	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078322-1 06/03/24 22:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.26	85.2	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4078024-2 06/05/24 00:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.992	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078024-1 06/04/24 22:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	6.00	120	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*116*	*77.0-120*	

L1741491-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741491-05 06/05/24 05:06 • (MS) R4078024-3 06/05/24 08:33 • (MSD) R4078024-4 06/05/24 08:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	216	5.45	232	227	105	103	25.8	10.0-141			2.18	29
(S) a,a,a-Trifluorotoluene(FID)					*116*	*115*		*77.0-120*				

Method Blank (MB)

(MB) R4078760-1 06/06/24 18:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.65		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*89.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078760-2 06/06/24 18:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.21	84.2	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*96.1*	*77.0-120*	

Method Blank (MB)

(MB) R4079615-2 06/07/24 17:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079615-1 06/07/24 15:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.20	84.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R4082448-3 06/16/24 10:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.28	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4082448-1 06/16/24 09:51 • (LCSD) R4082448-2 06/16/24 10:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	5.13	4.70	103	94.0	72.0-125			8.75	20
(S) a,a,a-Trifluorotoluene(FID)				*109*	*107*	*77.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4083243-2 06/17/24 02:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.36	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*91.1*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4083243-1 06/17/24 01:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.70	114	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*94.8*	*77.0-120*	

Method Blank (MB)

(MB) R4083861-2 06/18/24 16:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.30	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*120*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4083861-1 06/18/24 15:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.87	117	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*117*	*77.0-120*	

Method Blank (MB)

(MB) R4078295-2 06/05/24 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	U		30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078295-1 06/05/24 10:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	4620	92.4	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

Method Blank (MB)

(MB) R4077468-3 06/04/24 15:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4077468-3 06/04/24 15:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*106*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077468-1 06/04/24 14:02 • (LCSD) R4077468-2 06/04/24 14:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.493	0.490	78.9	78.4	10.0-160			0.610	31
Acrylonitrile	0.625	0.671	0.675	107	108	45.0-153			0.594	22
Benzene	0.125	0.113	0.113	90.4	90.4	70.0-123			0.000	20
Bromobenzene	0.125	0.116	0.116	92.8	92.8	73.0-121			0.000	20
Bromodichloromethane	0.125	0.126	0.125	101	100	73.0-121			0.797	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077468-1 06/04/24 14:02 • (LCSD) R4077468-2 06/04/24 14:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.118	0.119	94.4	95.2	64.0-132			0.844	20
Bromomethane	0.125	0.105	0.105	84.0	84.0	56.0-147			0.000	20
n-Butylbenzene	0.125	0.101	0.104	80.8	83.2	68.0-135			2.93	20
sec-Butylbenzene	0.125	0.121	0.127	96.8	102	74.0-130			4.84	20
tert-Butylbenzene	0.125	0.117	0.124	93.6	99.2	75.0-127			5.81	20
Carbon tetrachloride	0.125	0.127	0.130	102	104	66.0-128			2.33	20
Chlorobenzene	0.125	0.116	0.120	92.8	96.0	76.0-128			3.39	20
Chlorodibromomethane	0.125	0.120	0.133	96.0	106	74.0-127			10.3	20
Chloroethane	0.125	0.115	0.116	92.0	92.8	61.0-134			0.866	20
Chloroform	0.125	0.122	0.122	97.6	97.6	72.0-123			0.000	20
Chloromethane	0.125	0.116	0.110	92.8	88.0	51.0-138			5.31	20
2-Chlorotoluene	0.125	0.120	0.122	96.0	97.6	75.0-124			1.65	20
4-Chlorotoluene	0.125	0.115	0.113	92.0	90.4	75.0-124			1.75	20
1,2-Dibromo-3-Chloropropane	0.125	0.111	0.108	88.8	86.4	59.0-130			2.74	20
1,2-Dibromoethane	0.125	0.131	0.129	105	103	74.0-128			1.54	20
Dibromomethane	0.125	0.128	0.125	102	100	75.0-122			2.37	20
1,2-Dichlorobenzene	0.125	0.120	0.120	96.0	96.0	76.0-124			0.000	20
1,3-Dichlorobenzene	0.125	0.116	0.116	92.8	92.8	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.113	0.117	90.4	93.6	77.0-121			3.48	20
Dichlorodifluoromethane	0.125	0.136	0.137	109	110	43.0-156			0.733	20
1,1-Dichloroethane	0.125	0.122	0.123	97.6	98.4	70.0-127			0.816	20
1,2-Dichloroethane	0.125	0.112	0.118	89.6	94.4	65.0-131			5.22	20
1,1-Dichloroethene	0.125	0.128	0.128	102	102	65.0-131			0.000	20
cis-1,2-Dichloroethene	0.125	0.120	0.115	96.0	92.0	73.0-125			4.26	20
trans-1,2-Dichloroethene	0.125	0.118	0.118	94.4	94.4	71.0-125			0.000	20
1,2-Dichloropropane	0.125	0.127	0.122	102	97.6	74.0-125			4.02	20
1,1-Dichloropropene	0.125	0.128	0.127	102	102	73.0-125			0.784	20
1,3-Dichloropropane	0.125	0.128	0.131	102	105	80.0-125			2.32	20
cis-1,3-Dichloropropene	0.125	0.123	0.123	98.4	98.4	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.119	0.119	95.2	95.2	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.0913	0.0870	73.0	69.6	59.0-135			4.82	20
Di-isopropyl ether	0.125	0.130	0.129	104	103	60.0-136			0.772	20
Ethylbenzene	0.125	0.120	0.123	96.0	98.4	74.0-126			2.47	20
Hexachloro-1,3-butadiene	0.125	0.104	0.116	83.2	92.8	57.0-150			10.9	20
Isopropylbenzene	0.125	0.124	0.130	99.2	104	72.0-127			4.72	20
p-Isopropyltoluene	0.125	0.121	0.125	96.8	100	72.0-133			3.25	20
2-Butanone (MEK)	0.625	0.586	0.601	93.8	96.2	30.0-160			2.53	24
Methylene Chloride	0.125	0.125	0.123	100	98.4	68.0-123			1.61	20
4-Methyl-2-pentanone (MIBK)	0.625	0.678	0.690	108	110	56.0-143			1.75	20
Methyl tert-butyl ether	0.125	0.115	0.115	92.0	92.0	66.0-132			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4077468-1 06/04/24 14:02 • (LCSD) R4077468-2 06/04/24 14:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.103	0.107	82.4	85.6	59.0-130			3.81	20
n-Propylbenzene	0.125	0.117	0.121	93.6	96.8	74.0-126			3.36	20
Styrene	0.125	0.128	0.122	102	97.6	72.0-127			4.80	20
1,1,1,2-Tetrachloroethane	0.125	0.130	0.131	104	105	74.0-129			0.766	20
1,1,2,2-Tetrachloroethane	0.125	0.121	0.123	96.8	98.4	68.0-128			1.64	20
1,1,2-Trichlorotrifluoroethane	0.125	0.126	0.124	101	99.2	61.0-139			1.60	20
Tetrachloroethene	0.125	0.122	0.124	97.6	99.2	70.0-136			1.63	20
Toluene	0.125	0.118	0.119	94.4	95.2	75.0-121			0.844	20
1,2,3-Trichlorobenzene	0.125	0.111	0.117	88.8	93.6	59.0-139			5.26	20
1,2,4-Trichlorobenzene	0.125	0.104	0.112	83.2	89.6	62.0-137			7.41	20
1,1,1-Trichloroethane	0.125	0.129	0.131	103	105	69.0-126			1.54	20
1,1,2-Trichloroethane	0.125	0.135	0.128	108	102	78.0-123			5.32	20
Trichloroethene	0.125	0.130	0.130	104	104	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.113	0.116	90.4	92.8	61.0-142			2.62	20
1,2,3-Trichloropropane	0.125	0.117	0.114	93.6	91.2	67.0-129			2.60	20
1,2,4-Trimethylbenzene	0.125	0.124	0.123	99.2	98.4	70.0-126			0.810	20
1,2,3-Trimethylbenzene	0.125	0.121	0.125	96.8	100	74.0-124			3.25	20
1,3,5-Trimethylbenzene	0.125	0.123	0.122	98.4	97.6	73.0-127			0.816	20
Vinyl chloride	0.125	0.126	0.123	101	98.4	63.0-134			2.41	20
Xylenes, Total	0.375	0.375	0.392	100	105	72.0-127			4.43	20
(S) Toluene-d8				*105*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*107*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*104*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R4078242-2 06/05/24 04:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4078242-2 06/05/24 04:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.773	124	10.0-160	
Acrylonitrile	0.625	0.903	144	45.0-153	
Benzene	0.125	0.107	85.6	70.0-123	
Bromobenzene	0.125	0.111	88.8	73.0-121	
Bromodichloromethane	0.125	0.118	94.4	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.121	96.8	64.0-132	
Bromomethane	0.125	0.106	84.8	56.0-147	
n-Butylbenzene	0.125	0.107	85.6	68.0-135	
sec-Butylbenzene	0.125	0.123	98.4	74.0-130	
tert-Butylbenzene	0.125	0.122	97.6	75.0-127	
Carbon tetrachloride	0.125	0.126	101	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.119	95.2	74.0-127	
Chloroethane	0.125	0.114	91.2	61.0-134	
Chloroform	0.125	0.110	88.0	72.0-123	
Chloromethane	0.125	0.0993	79.4	51.0-138	
2-Chlorotoluene	0.125	0.128	102	75.0-124	
4-Chlorotoluene	0.125	0.119	95.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.139	111	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.110	88.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.120	96.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.117	93.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.118	94.4	77.0-121	
Dichlorodifluoromethane	0.125	0.114	91.2	43.0-156	
1,1-Dichloroethane	0.125	0.119	95.2	70.0-127	
1,2-Dichloroethane	0.125	0.105	84.0	65.0-131	
1,1-Dichloroethene	0.125	0.115	92.0	65.0-131	
cis-1,2-Dichloroethene	0.125	0.116	92.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.112	89.6	71.0-125	
1,2-Dichloropropane	0.125	0.111	88.8	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.2	73.0-125	
1,3-Dichloropropane	0.125	0.120	96.0	80.0-125	
cis-1,3-Dichloropropene	0.125	0.121	96.8	76.0-127	
trans-1,3-Dichloropropene	0.125	0.125	100	73.0-127	
2,2-Dichloropropane	0.125	0.131	105	59.0-135	
Di-isopropyl ether	0.125	0.116	92.8	60.0-136	
Ethylbenzene	0.125	0.121	96.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.108	86.4	57.0-150	
Isopropylbenzene	0.125	0.122	97.6	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.4	72.0-133	
2-Butanone (MEK)	0.625	0.939	150	30.0-160	
Methylene Chloride	0.125	0.109	87.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.742	119	56.0-143	
Methyl tert-butyl ether	0.125	0.116	92.8	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.114	91.2	59.0-130	
n-Propylbenzene	0.125	0.120	96.0	74.0-126	
Styrene	0.125	0.113	90.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.116	92.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.123	98.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.124	99.2	61.0-139	
Tetrachloroethene	0.125	0.122	97.6	70.0-136	
Toluene	0.125	0.113	90.4	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.123	98.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.115	92.0	62.0-137	
1,1,1-Trichloroethane	0.125	0.127	102	69.0-126	
1,1,2-Trichloroethane	0.125	0.120	96.0	78.0-123	
Trichloroethene	0.125	0.118	94.4	76.0-126	
Trichlorofluoromethane	0.125	0.138	110	61.0-142	
1,2,3-Trichloropropane	0.125	0.126	101	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.114	91.2	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.115	92.0	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
Vinyl chloride	0.125	0.105	84.0	63.0-134	
Xylenes, Total	0.375	0.360	96.0	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*101*	*70.0-130*	

Method Blank (MB)

(MB) R4078685-3 06/06/24 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Methylene Chloride	U		0.00664	0.0250
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078685-1 06/06/24 20:43 • (LCSD) R4078685-2 06/06/24 21:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.920	0.796	147	127	10.0-160			14.5	31
Methylene Chloride	0.125	0.104	0.120	83.2	96.0	68.0-123			14.3	20
(S) Toluene-d8				*98.6*	*97.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*98.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*100*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R4078943-3 06/06/24 21:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloroethane	U		0.00170	0.00500
Ethylbenzene	U		0.000737	0.00250
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078943-1 06/06/24 20:08 • (LCSD) R4078943-2 06/06/24 20:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	0.125	0.115	0.111	92.0	88.8	61.0-134			3.54	20
Ethylbenzene	0.125	0.116	0.117	92.8	93.6	74.0-126			0.858	20
(S) Toluene-d8				*109*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.8*	*98.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R4080721-3 06/11/24 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4080721-3 06/11/24 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*96.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.802	0.841	128	135	10.0-160			4.75	31
Acrylonitrile	0.625	0.619	0.651	99.0	104	45.0-153			5.04	22
Benzene	0.125	0.125	0.133	100	106	70.0-123			6.20	20
Bromobenzene	0.125	0.122	0.128	97.6	102	73.0-121			4.80	20
Bromodichloromethane	0.125	0.115	0.130	92.0	104	73.0-121			12.2	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.111	0.120	88.8	96.0	64.0-132			7.79	20
Bromomethane	0.125	0.0933	0.0926	74.6	74.1	56.0-147			0.753	20
n-Butylbenzene	0.125	0.0952	0.110	76.2	88.0	68.0-135			14.4	20
sec-Butylbenzene	0.125	0.129	0.135	103	108	74.0-130			4.55	20
tert-Butylbenzene	0.125	0.0944	0.0990	75.5	79.2	75.0-127			4.76	20
Carbon tetrachloride	0.125	0.126	0.135	101	108	66.0-128			6.90	20
Chlorobenzene	0.125	0.126	0.133	101	106	76.0-128			5.41	20
Chlorodibromomethane	0.125	0.104	0.112	83.2	89.6	74.0-127			7.41	20
Chloroethane	0.125	0.0933	0.107	74.6	85.6	61.0-134			13.7	20
Chloroform	0.125	0.122	0.124	97.6	99.2	72.0-123			1.63	20
Chloromethane	0.125	0.0999	0.114	79.9	91.2	51.0-138			13.2	20
2-Chlorotoluene	0.125	0.124	0.111	99.2	88.8	75.0-124			11.1	20
4-Chlorotoluene	0.125	0.118	0.127	94.4	102	75.0-124			7.35	20
1,2-Dibromo-3-Chloropropane	0.125	0.104	0.107	83.2	85.6	59.0-130			2.84	20
1,2-Dibromoethane	0.125	0.108	0.129	86.4	103	74.0-128			17.7	20
Dibromomethane	0.125	0.119	0.135	95.2	108	75.0-122			12.6	20
1,2-Dichlorobenzene	0.125	0.116	0.123	92.8	98.4	76.0-124			5.86	20
1,3-Dichlorobenzene	0.125	0.119	0.128	95.2	102	76.0-125			7.29	20
1,4-Dichlorobenzene	0.125	0.110	0.125	88.0	100	77.0-121			12.8	20
Dichlorodifluoromethane	0.125	0.145	0.143	116	114	43.0-156			1.39	20
1,1-Dichloroethane	0.125	0.130	0.136	104	109	70.0-127			4.51	20
1,2-Dichloroethane	0.125	0.103	0.116	82.4	92.8	65.0-131			11.9	20
1,1-Dichloroethene	0.125	0.133	0.137	106	110	65.0-131			2.96	20
cis-1,2-Dichloroethene	0.125	0.125	0.131	100	105	73.0-125			4.69	20
trans-1,2-Dichloroethene	0.125	0.134	0.144	107	115	71.0-125			7.19	20
1,2-Dichloropropane	0.125	0.119	0.127	95.2	102	74.0-125			6.50	20
1,1-Dichloropropene	0.125	0.124	0.136	99.2	109	73.0-125			9.23	20
1,3-Dichloropropane	0.125	0.123	0.136	98.4	109	80.0-125			10.0	20
cis-1,3-Dichloropropene	0.125	0.122	0.135	97.6	108	76.0-127			10.1	20
trans-1,3-Dichloropropene	0.125	0.101	0.110	80.8	88.0	73.0-127			8.53	20
2,2-Dichloropropane	0.125	0.130	0.140	104	112	59.0-135			7.41	20
Di-isopropyl ether	0.125	0.121	0.127	96.8	102	60.0-136			4.84	20
Ethylbenzene	0.125	0.120	0.126	96.0	101	74.0-126			4.88	20
Hexachloro-1,3-butadiene	0.125	0.0975	0.108	78.0	86.4	57.0-150			10.2	20
Isopropylbenzene	0.125	0.114	0.122	91.2	97.6	72.0-127			6.78	20
p-Isopropyltoluene	0.125	0.0951	0.102	76.1	81.6	72.0-133			7.00	20
2-Butanone (MEK)	0.625	0.676	0.755	108	121	30.0-160			11.0	24
Methylene Chloride	0.125	0.128	0.134	102	107	68.0-123			4.58	20
4-Methyl-2-pentanone (MIBK)	0.625	0.571	0.602	91.4	96.3	56.0-143			5.29	20
Methyl tert-butyl ether	0.125	0.121	0.127	96.8	102	66.0-132			4.84	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.104	0.103	83.2	82.4	59.0-130			0.966	20
n-Propylbenzene	0.125	0.120	0.123	96.0	98.4	74.0-126			2.47	20
Styrene	0.125	0.118	0.128	94.4	102	72.0-127			8.13	20
1,1,1,2-Tetrachloroethane	0.125	0.113	0.115	90.4	92.0	74.0-129			1.75	20
1,1,2,2-Tetrachloroethane	0.125	0.122	0.124	97.6	99.2	68.0-128			1.63	20
1,1,2-Trichlorotrifluoroethane	0.125	0.137	0.144	110	115	61.0-139			4.98	20
Tetrachloroethene	0.125	0.114	0.123	91.2	98.4	70.0-136			7.59	20
Toluene	0.125	0.113	0.120	90.4	96.0	75.0-121			6.01	20
1,2,3-Trichlorobenzene	0.125	0.0987	0.109	79.0	87.2	59.0-139			9.92	20
1,2,4-Trichlorobenzene	0.125	0.103	0.110	82.4	88.0	62.0-137			6.57	20
1,1,1-Trichloroethane	0.125	0.127	0.131	102	105	69.0-126			3.10	20
1,1,2-Trichloroethane	0.125	0.114	0.122	91.2	97.6	78.0-123			6.78	20
Trichloroethene	0.125	0.119	0.129	95.2	103	76.0-126			8.06	20
Trichlorofluoromethane	0.125	0.117	0.127	93.6	102	61.0-142			8.20	20
1,2,3-Trichloropropane	0.125	0.117	0.111	93.6	88.8	67.0-129			5.26	20
1,2,4-Trimethylbenzene	0.125	0.101	0.104	80.8	83.2	70.0-126			2.93	20
1,2,3-Trimethylbenzene	0.125	0.112	0.111	89.6	88.8	74.0-124			0.897	20
1,3,5-Trimethylbenzene	0.125	0.108	0.111	86.4	88.8	73.0-127			2.74	20
Vinyl chloride	0.125	0.107	0.0908	85.6	72.6	63.0-134			16.4	20
Xylenes, Total	0.375	0.350	0.370	93.3	98.7	72.0-127			5.56	20
(S) Toluene-d8				*94.2*	*93.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*90.6*	*89.9*	*70.0-130*				

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	50.0	U	60.1	60.9	120	122	80	10.0-160			1.32	40
Acrylonitrile	50.0	U	53.1	49.1	106	98.2	80	10.0-160			7.83	40
Benzene	10.0	0.126	11.4	10.5	113	104	80	10.0-149			8.22	37
Bromobenzene	10.0	U	14.6	10.5	146	105	80	10.0-156			32.7	38
Bromodichloromethane	10.0	U	10.9	10.6	109	106	80	10.0-143			2.79	37
Bromoform	10.0	U	9.54	9.02	95.4	90.2	80	10.0-146			5.60	36
Bromomethane	10.0	U	6.83	5.70	68.3	57.0	80	10.0-149			18.0	38
n-Butylbenzene	10.0	3.99	95.2	86.6	912	826	80	10.0-160	J5	J5	9.46	40
sec-Butylbenzene	10.0	4.07	26.1	20.3	220	162	80	10.0-159	J5	J5	25.0	39
tert-Butylbenzene	10.0	U	16.0	13.0	160	130	80	10.0-156	J5		20.7	39

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	10.0	U	11.3	10.5	113	105	80	10.0-145			7.34	37
Chlorobenzene	10.0	U	11.4	11.1	114	111	80	10.0-152			2.67	39
Chlorodibromomethane	10.0	U	8.59	8.93	85.9	89.3	80	10.0-146			3.88	37
Chloroethane	10.0	U	7.73	6.09	77.3	60.9	80	10.0-146			23.7	40
Chloroform	10.0	U	10.7	10.1	107	101	80	10.0-146			5.77	37
Chloromethane	10.0	U	9.72	8.69	97.2	86.9	80	10.0-159			11.2	37
2-Chlorotoluene	10.0	U	13.6	9.77	136	97.7	80	10.0-159			32.8	38
4-Chlorotoluene	10.0	U	14.5	10.8	145	108	80	10.0-155			29.2	39
1,2-Dibromo-3-Chloropropane	10.0	U	9.29	9.36	92.9	93.6	80	10.0-151			0.751	39
1,2-Dibromoethane	10.0	U	9.56	10.2	95.6	102	80	10.0-148			6.48	34
Dibromomethane	10.0	U	11.1	11.4	111	114	80	10.0-147			2.67	35
1,2-Dichlorobenzene	10.0	U	13.2	10.7	132	107	80	10.0-155			20.9	37
1,3-Dichlorobenzene	10.0	U	12.1	10.7	121	107	80	10.0-153			12.3	38
1,4-Dichlorobenzene	10.0	U	10.3	10.4	103	104	80	10.0-151			0.966	38
Dichlorodifluoromethane	10.0	U	12.1	9.70	121	97.0	80	10.0-160			22.0	35
1,1-Dichloroethane	10.0	U	11.5	10.5	115	105	80	10.0-147			9.09	37
1,2-Dichloroethane	10.0	U	9.56	8.85	95.6	88.5	80	10.0-148			7.71	35
1,1-Dichloroethene	10.0	U	11.1	7.67	111	76.7	80	10.0-155			36.5	37
cis-1,2-Dichloroethene	10.0	U	10.5	9.93	105	99.3	80	10.0-149			5.58	37
trans-1,2-Dichloroethene	10.0	U	11.0	11.1	110	111	80	10.0-150			0.905	37
1,2-Dichloropropane	10.0	U	11.6	11.3	116	113	80	10.0-148			2.62	37
1,1-Dichloropropene	10.0	U	11.7	11.4	117	114	80	10.0-153			2.60	35
1,3-Dichloropropane	10.0	U	11.0	10.5	110	105	80	10.0-154			4.65	35
cis-1,3-Dichloropropene	10.0	U	11.3	10.2	113	102	80	10.0-151			10.2	37
trans-1,3-Dichloropropene	10.0	U	8.79	8.81	87.9	88.1	80	10.0-148			0.227	37
2,2-Dichloropropane	10.0	U	9.06	8.41	90.6	84.1	80	10.0-138			7.44	36
Di-isopropyl ether	10.0	U	10.4	10.0	104	100	80	10.0-147			3.92	36
Ethylbenzene	10.0	51.0	57.8	62.7	68.0	117	80	10.0-160			8.13	38
Hexachloro-1,3-butadiene	10.0	U	15.2	13.9	152	139	80	10.0-160			8.93	40
Isopropylbenzene	10.0	6.36	17.8	18.5	114	121	80	10.0-155			3.86	38
p-Isopropyltoluene	10.0	3.13	26.4	22.3	233	192	80	10.0-160	J5	J5	16.8	40
2-Butanone (MEK)	50.0	U	41.1	61.2	82.2	122	80	10.0-160			39.3	40
Methylene Chloride	10.0	U	10.6	9.98	106	99.8	80	10.0-141			6.03	37
4-Methyl-2-pentanone (MIBK)	50.0	U	67.6	71.1	135	142	80	10.0-160			5.05	35
Methyl tert-butyl ether	10.0	U	11.1	10.1	111	101	80	11.0-147			9.43	35
Naphthalene	10.0	16.5	35.5	31.1	190	146	80	10.0-160	J5		13.2	36
n-Propylbenzene	10.0	19.6	46.7	36.8	271	172	80	10.0-158	J5	J5	23.7	38
Styrene	10.0	U	13.0	5.31	130	53.1	80	10.0-160		J3	84.0	40
1,1,1,2-Tetrachloroethane	10.0	U	9.98	10.3	99.8	103	80	10.0-149			3.16	39
1,1,2,2-Tetrachloroethane	10.0	U	21.2	20.3	212	203	80	10.0-160	J5	J5	4.34	35

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	10.0	U	12.1	9.84	121	98.4	80	10.0-160			20.6	36
Tetrachloroethene	10.0	U	10.2	10.2	102	102	80	10.0-156			0.000	39
Toluene	10.0	29.9	38.7	40.6	88.0	107	80	10.0-156			4.79	38
1,2,3-Trichlorobenzene	10.0	U	12.1	11.1	121	111	80	10.0-160			8.62	40
1,2,4-Trichlorobenzene	10.0	U	12.4	11.5	124	115	80	10.0-160			7.53	40
1,1,1-Trichloroethane	10.0	U	10.7	10.3	107	103	80	10.0-144			3.81	35
1,1,2-Trichloroethane	10.0	U	14.1	13.6	141	136	80	10.0-160			3.61	35
Trichloroethene	10.0	U	12.2	11.6	122	116	80	10.0-156			5.04	38
Trichlorofluoromethane	10.0	U	10.2	8.52	102	85.2	80	10.0-160			17.9	40
1,2,3-Trichloropropane	10.0	U	14.4	10.8	144	108	80	10.0-156			28.6	35
1,2,4-Trimethylbenzene	10.0	84.7	138	111	533	263	80	10.0-160	V	V	21.7	36
1,2,3-Trimethylbenzene	10.0	28.1	42.2	44.5	141	164	80	10.0-160		J5	5.31	36
1,3,5-Trimethylbenzene	10.0	30.7	44.3	29.8	136	0.000	80	10.0-160		J3 J6	39.1	38
Vinyl chloride	10.0	U	8.73	8.49	87.3	84.9	80	10.0-160			2.79	37
Xylenes, Total	30.0	278	288	309	33.3	103	80	10.0-160			7.04	38
(S) Toluene-d8					*90.8*	*97.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*122*	*126*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*86.6*	*83.9*		*70.0-130*				

Method Blank (MB)

(MB) R4081215-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4081215-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	0.00165	J	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.538	0.522	86.1	83.5	10.0-160			3.02	31
Acrylonitrile	0.625	0.652	0.617	104	98.7	45.0-153			5.52	22
Benzene	0.125	0.123	0.114	98.4	91.2	70.0-123			7.59	20
Bromobenzene	0.125	0.148	0.134	118	107	73.0-121			9.93	20
Bromodichloromethane	0.125	0.112	0.112	89.6	89.6	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0984	0.101	78.7	80.8	64.0-132			2.61	20
Bromomethane	0.125	0.170	0.160	136	128	56.0-147			6.06	20
n-Butylbenzene	0.125	0.141	0.133	113	106	68.0-135			5.84	20
sec-Butylbenzene	0.125	0.142	0.136	114	109	74.0-130			4.32	20
tert-Butylbenzene	0.125	0.141	0.132	113	106	75.0-127			6.59	20
Carbon tetrachloride	0.125	0.115	0.109	92.0	87.2	66.0-128			5.36	20
Chlorobenzene	0.125	0.128	0.123	102	98.4	76.0-128			3.98	20
Chlorodibromomethane	0.125	0.111	0.115	88.8	92.0	74.0-127			3.54	20
Chloroethane	0.125	0.152	0.147	122	118	61.0-134			3.34	20
Chloroform	0.125	0.114	0.107	91.2	85.6	72.0-123			6.33	20
Chloromethane	0.125	0.142	0.134	114	107	51.0-138			5.80	20
2-Chlorotoluene	0.125	0.150	0.126	120	101	75.0-124			17.4	20
4-Chlorotoluene	0.125	0.154	0.145	123	116	75.0-124			6.02	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.119	93.6	95.2	59.0-130			1.69	20
1,2-Dibromoethane	0.125	0.130	0.126	104	101	74.0-128			3.12	20
Dibromomethane	0.125	0.113	0.116	90.4	92.8	75.0-122			2.62	20
1,2-Dichlorobenzene	0.125	0.141	0.140	113	112	76.0-124			0.712	20
1,3-Dichlorobenzene	0.125	0.151	0.146	121	117	76.0-125			3.37	20
1,4-Dichlorobenzene	0.125	0.129	0.126	103	101	77.0-121			2.35	20
Dichlorodifluoromethane	0.125	0.118	0.114	94.4	91.2	43.0-156			3.45	20
1,1-Dichloroethane	0.125	0.115	0.107	92.0	85.6	70.0-127			7.21	20
1,2-Dichloroethane	0.125	0.128	0.125	102	100	65.0-131			2.37	20
1,1-Dichloroethene	0.125	0.122	0.115	97.6	92.0	65.0-131			5.91	20
cis-1,2-Dichloroethene	0.125	0.110	0.106	88.0	84.8	73.0-125			3.70	20
trans-1,2-Dichloroethene	0.125	0.115	0.116	92.0	92.8	71.0-125			0.866	20
1,2-Dichloropropane	0.125	0.116	0.111	92.8	88.8	74.0-125			4.41	20
1,1-Dichloropropene	0.125	0.119	0.113	95.2	90.4	73.0-125			5.17	20
1,3-Dichloropropane	0.125	0.130	0.130	104	104	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.122	0.119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	0.125	0.111	0.111	88.8	88.8	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.129	0.117	103	93.6	59.0-135			9.76	20
Di-isopropyl ether	0.125	0.113	0.114	90.4	91.2	60.0-136			0.881	20
Ethylbenzene	0.125	0.129	0.124	103	99.2	74.0-126			3.95	20
Hexachloro-1,3-butadiene	0.125	0.115	0.119	92.0	95.2	57.0-150			3.42	20
Isopropylbenzene	0.125	0.132	0.129	106	103	72.0-127			2.30	20
p-Isopropyltoluene	0.125	0.144	0.139	115	111	72.0-133			3.53	20
2-Butanone (MEK)	0.625	0.463	0.428	74.1	68.5	30.0-160			7.86	24
Methylene Chloride	0.125	0.106	0.107	84.8	85.6	68.0-123			0.939	20
4-Methyl-2-pentanone (MIBK)	0.625	0.706	0.702	113	112	56.0-143			0.568	20
Methyl tert-butyl ether	0.125	0.113	0.114	90.4	91.2	66.0-132			0.881	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.131	0.133	105	106	59.0-130			1.52	20
n-Propylbenzene	0.125	0.138	0.134	110	107	74.0-126			2.94	20
Styrene	0.125	0.130	0.122	104	97.6	72.0-127			6.35	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.112	89.6	89.6	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.129	102	103	68.0-128			1.56	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.103	90.4	82.4	61.0-139			9.26	20
Tetrachloroethene	0.125	0.134	0.123	107	98.4	70.0-136			8.56	20
Toluene	0.125	0.133	0.128	106	102	75.0-121			3.83	20
1,2,3-Trichlorobenzene	0.125	0.143	0.142	114	114	59.0-139			0.702	20
1,2,4-Trichlorobenzene	0.125	0.131	0.129	105	103	62.0-137			1.54	20
1,1,1-Trichloroethane	0.125	0.118	0.113	94.4	90.4	69.0-126			4.33	20
1,1,2-Trichloroethane	0.125	0.124	0.123	99.2	98.4	78.0-123			0.810	20
Trichloroethene	0.125	0.126	0.118	101	94.4	76.0-126			6.56	20
Trichlorofluoromethane	0.125	0.151	0.148	121	118	61.0-142			2.01	20
1,2,3-Trichloropropane	0.125	0.144	0.148	115	118	67.0-129			2.74	20
1,2,4-Trimethylbenzene	0.125	0.144	0.135	115	108	70.0-126			6.45	20
1,2,3-Trimethylbenzene	0.125	0.143	0.133	114	106	74.0-124			7.25	20
1,3,5-Trimethylbenzene	0.125	0.143	0.132	114	106	73.0-127			8.00	20
Vinyl chloride	0.125	0.136	0.129	109	103	63.0-134			5.28	20
Xylenes, Total	0.375	0.419	0.401	112	107	72.0-127			4.39	20
(S) Toluene-d8				*110*	*109*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.1*	*97.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R4078504-2 06/05/24 21:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4078504-2 06/05/24 21:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*99.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*106*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4078504-1 06/05/24 20:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	30.6	122	19.0-160	J
Acrolein	25.0	36.3	145	10.0-160	J
Acrylonitrile	25.0	34.0	136	55.0-149	
Benzene	5.00	5.52	110	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4078504-1 06/05/24 20:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	5.30	106	73.0-121	
Bromodichloromethane	5.00	5.43	109	75.0-120	
Bromoform	5.00	4.98	99.6	68.0-132	
Bromomethane	5.00	5.23	105	10.0-160	
n-Butylbenzene	5.00	5.98	120	73.0-125	
sec-Butylbenzene	5.00	5.82	116	75.0-125	
tert-Butylbenzene	5.00	6.01	120	76.0-124	
Carbon tetrachloride	5.00	5.92	118	68.0-126	
Chlorobenzene	5.00	5.58	112	80.0-121	
Chlorodibromomethane	5.00	5.41	108	77.0-125	
Chloroethane	5.00	5.36	107	47.0-150	
Chloroform	5.00	5.31	106	73.0-120	
Chloromethane	5.00	5.73	115	41.0-142	
2-Chlorotoluene	5.00	5.55	111	76.0-123	
4-Chlorotoluene	5.00	5.39	108	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.81	116	58.0-134	
1,2-Dibromoethane	5.00	5.67	113	80.0-122	
Dibromomethane	5.00	5.50	110	80.0-120	
1,2-Dichlorobenzene	5.00	6.05	121	79.0-121	
1,3-Dichlorobenzene	5.00	5.74	115	79.0-120	
1,4-Dichlorobenzene	5.00	5.65	113	79.0-120	
Dichlorodifluoromethane	5.00	6.14	123	51.0-149	
1,1-Dichloroethane	5.00	5.72	114	70.0-126	
1,2-Dichloroethane	5.00	5.17	103	70.0-128	
1,1-Dichloroethene	5.00	5.83	117	71.0-124	
cis-1,2-Dichloroethene	5.00	5.19	104	73.0-120	
trans-1,2-Dichloroethene	5.00	5.44	109	73.0-120	
1,2-Dichloropropane	5.00	5.66	113	77.0-125	
1,1-Dichloropropene	5.00	5.69	114	74.0-126	
1,3-Dichloropropane	5.00	5.67	113	80.0-120	
cis-1,3-Dichloropropene	5.00	5.71	114	80.0-123	
trans-1,3-Dichloropropene	5.00	5.71	114	78.0-124	
2,2-Dichloropropane	5.00	5.40	108	58.0-130	
Di-isopropyl ether	5.00	5.53	111	58.0-138	
Ethylbenzene	5.00	5.57	111	79.0-123	
Hexachloro-1,3-butadiene	5.00	6.36	127	54.0-138	
Isopropylbenzene	5.00	5.73	115	76.0-127	
p-Isopropyltoluene	5.00	5.71	114	76.0-125	
2-Butanone (MEK)	25.0	34.9	140	44.0-160	
Methylene Chloride	5.00	5.25	105	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078504-1 06/05/24 20:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	30.5	122	68.0-142	
Methyl tert-butyl ether	5.00	5.66	113	68.0-125	
Naphthalene	5.00	6.00	120	54.0-135	
n-Propylbenzene	5.00	5.52	110	77.0-124	
Styrene	5.00	5.54	111	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.37	107	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.19	104	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	6.27	125	69.0-132	
Tetrachloroethene	5.00	5.84	117	72.0-132	
Toluene	5.00	5.21	104	79.0-120	
1,2,3-Trichlorobenzene	5.00	6.49	130	50.0-138	
1,2,4-Trichlorobenzene	5.00	6.51	130	57.0-137	
1,1,1-Trichloroethane	5.00	6.06	121	73.0-124	
1,1,2-Trichloroethane	5.00	5.60	112	80.0-120	
Trichloroethene	5.00	6.17	123	78.0-124	
Trichlorofluoromethane	5.00	6.05	121	59.0-147	
1,2,3-Trichloropropane	5.00	5.47	109	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.41	108	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.41	108	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.55	111	76.0-122	
Vinyl chloride	5.00	5.26	105	67.0-131	
Xylenes, Total	15.0	17.1	114	79.0-123	
(S) Toluene-d8			*98.5*	*80.0-120*	
(S) 4-Bromofluorobenzene			*104*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.5*	*70.0-130*	

L1741290-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741290-01 06/06/24 00:10 • (MS) R4078504-3 06/06/24 03:59 • (MSD) R4078504-4 06/06/24 04:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	33.7	30.5	135	122	1	10.0-160			9.97	35
Acrolein	25.0	U	32.5	35.5	130	142	1	10.0-160	J	J	8.82	39
Acrylonitrile	25.0	U	33.6	33.0	134	132	1	21.0-160			1.80	32
Benzene	5.00	U	4.35	5.10	87.0	102	1	17.0-158			15.9	27
Bromobenzene	5.00	U	4.54	5.24	90.8	105	1	30.0-149			14.3	28
Bromodichloromethane	5.00	U	4.79	5.43	95.8	109	1	31.0-150			12.5	27
Bromoform	5.00	U	4.63	5.15	92.6	103	1	29.0-150			10.6	29
Bromomethane	5.00	U	3.76	4.25	75.2	85.0	1	10.0-160			12.2	38

L1741290-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741290-01 06/06/24 00:10 • (MS) R4078504-3 06/06/24 03:59 • (MSD) R4078504-4 06/06/24 04:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	5.00	U	4.94	5.88	98.8	118	1	31.0-150			17.4	30
sec-Butylbenzene	5.00	U	4.81	5.90	96.2	118	1	33.0-155			20.4	29
tert-Butylbenzene	5.00	U	5.82	6.06	116	121	1	34.0-153			4.04	28
Carbon tetrachloride	5.00	U	4.71	5.92	94.2	118	1	23.0-159			22.8	28
Chlorobenzene	5.00	U	4.55	5.42	91.0	108	1	33.0-152			17.5	27
Chlorodibromomethane	5.00	U	4.82	5.49	96.4	110	1	37.0-149			13.0	27
Chloroethane	5.00	U	3.91	4.61	78.2	92.2	1	10.0-160			16.4	30
Chloroform	5.00	U	4.49	5.15	89.8	103	1	29.0-154			13.7	28
Chloromethane	5.00	U	5.03	6.00	101	120	1	10.0-160			17.6	29
2-Chlorotoluene	5.00	U	4.46	5.44	89.2	109	1	32.0-153			19.8	28
4-Chlorotoluene	5.00	U	4.33	5.23	86.6	105	1	32.0-150			18.8	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.30	5.69	106	114	1	22.0-151			7.10	34
1,2-Dibromoethane	5.00	U	5.11	5.48	102	110	1	34.0-147			6.99	27
Dibromomethane	5.00	U	4.86	5.38	97.2	108	1	30.0-151			10.2	27
1,2-Dichlorobenzene	5.00	U	5.06	5.92	101	118	1	34.0-149			15.7	28
1,3-Dichlorobenzene	5.00	U	4.73	5.60	94.6	112	1	36.0-146			16.8	27
1,4-Dichlorobenzene	5.00	U	4.80	5.57	96.0	111	1	35.0-142			14.9	27
Dichlorodifluoromethane	5.00	U	4.40	5.39	88.0	108	1	10.0-160	J		20.2	29
1,1-Dichloroethane	5.00	U	4.68	5.54	93.6	111	1	25.0-158			16.8	27
1,2-Dichloroethane	5.00	U	4.40	4.71	88.0	94.2	1	29.0-151			6.81	27
1,1-Dichloroethene	5.00	U	4.31	5.33	86.2	107	1	11.0-160			21.2	29
cis-1,2-Dichloroethene	5.00	U	4.44	5.17	88.8	103	1	10.0-160			15.2	27
trans-1,2-Dichloroethene	5.00	U	4.15	4.78	83.0	95.6	1	17.0-153			14.1	27
1,2-Dichloropropane	5.00	U	4.94	5.59	98.8	112	1	30.0-156			12.3	27
1,1-Dichloropropene	5.00	U	4.37	5.40	87.4	108	1	25.0-158			21.1	27
1,3-Dichloropropane	5.00	U	5.11	5.39	102	108	1	38.0-147			5.33	27
cis-1,3-Dichloropropene	5.00	U	4.81	5.37	96.2	107	1	34.0-149			11.0	28
trans-1,3-Dichloropropene	5.00	U	4.90	5.49	98.0	110	1	32.0-149			11.4	28
2,2-Dichloropropane	5.00	U	4.35	5.10	87.0	102	1	24.0-152			15.9	29
Di-isopropyl ether	5.00	U	4.92	5.34	98.4	107	1	21.0-160			8.19	28
Ethylbenzene	5.00	U	4.72	5.73	94.4	115	1	30.0-155			19.3	27
Hexachloro-1,3-butadiene	5.00	U	5.76	6.79	115	136	1	20.0-154			16.4	34
Isopropylbenzene	5.00	U	4.75	5.88	95.0	118	1	28.0-157			21.3	27
p-Isopropyltoluene	5.00	U	4.80	5.77	96.0	115	1	30.0-154			18.4	29
2-Butanone (MEK)	25.0	U	31.2	31.0	125	124	1	10.0-160			0.643	32
Methylene Chloride	5.00	U	4.19	4.88	83.8	97.6	1	23.0-144			15.2	28
4-Methyl-2-pentanone (MIBK)	25.0	U	29.4	30.0	118	120	1	29.0-160			2.02	29
Methyl tert-butyl ether	5.00	U	5.15	5.46	103	109	1	28.0-150			5.84	29
Naphthalene	5.00	U	6.60	5.98	132	120	1	12.0-156			9.86	35
n-Propylbenzene	5.00	U	4.56	5.48	91.2	110	1	31.0-154			18.3	28

L1741290-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741290-01 06/06/24 00:10 • (MS) R4078504-3 06/06/24 03:59 • (MSD) R4078504-4 06/06/24 04:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	5.00	U	4.59	5.49	91.8	110	1	33.0-155			17.9	28
1,1,1,2-Tetrachloroethane	5.00	U	4.69	5.58	93.8	112	1	36.0-151			17.3	29
1,1,2,2-Tetrachloroethane	5.00	U	5.09	5.35	102	107	1	33.0-150			4.98	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.89	6.27	97.8	125	1	23.0-160			24.7	30
Tetrachloroethene	5.00	U	4.43	5.75	88.6	115	1	10.0-160			25.9	27
Toluene	5.00	U	4.21	5.05	84.2	101	1	26.0-154			18.1	28
1,2,3-Trichlorobenzene	5.00	U	5.80	6.52	116	130	1	17.0-150			11.7	36
1,2,4-Trichlorobenzene	5.00	U	5.81	6.59	116	132	1	24.0-150			12.6	33
1,1,1-Trichloroethane	5.00	U	4.89	5.92	97.8	118	1	23.0-160			19.1	28
1,1,2-Trichloroethane	5.00	U	5.18	5.63	104	113	1	35.0-147			8.33	27
Trichloroethene	5.00	U	4.68	5.73	93.6	115	1	10.0-160			20.2	25
Trichlorofluoromethane	5.00	U	4.64	5.75	92.8	115	1	17.0-160	J		21.4	31
1,2,3-Trichloropropane	5.00	U	5.05	5.53	101	111	1	34.0-151			9.07	29
1,2,4-Trimethylbenzene	5.00	U	5.10	5.55	102	111	1	26.0-154			8.45	27
1,2,3-Trimethylbenzene	5.00	U	4.67	5.40	93.4	108	1	32.0-149			14.5	28
1,3,5-Trimethylbenzene	5.00	U	4.64	5.52	92.8	110	1	28.0-153			17.3	27
Vinyl chloride	5.00	U	3.83	4.45	76.6	89.0	1	10.0-160			15.0	27
Xylenes, Total	15.0	U	15.9	17.6	106	117	1	29.0-154			10.1	28
(S) Toluene-d8					*98.4*	*99.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*105*	*106*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*98.1*	*97.4*		*70.0-130*				

Method Blank (MB)

(MB) R4076519-1 06/02/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*59.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076519-2 06/02/24 10:58 • (LCSD) R4076519-3 06/02/24 11:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	793	803	106	107	50.0-150			1.25	20
C22-C32 Hydrocarbons	750	722	733	96.3	97.7	50.0-150			1.51	20
(S) o-Terphenyl				*73.5*	*73.5*	*52.0-156*				

Method Blank (MB)

(MB) R4077959-1 06/05/24 20:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*89.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4077959-2 06/06/24 01:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.3	77.2	50.0-150	
C22-C32 Hydrocarbons	25.0	19.0	76.0	50.0-150	
(S) o-Terphenyl			*69.1*	*18.0-148*	

Method Blank (MB)

(MB) R4078449-1 06/06/24 17:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*72.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4078449-2 06/06/24 18:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.4	77.6	50.0-150	
C22-C32 Hydrocarbons	25.0	17.3	69.2	50.0-150	
(S) o-Terphenyl			*75.7*	*18.0-148*	

L1742731-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742731-04 06/06/24 22:23 • (MS) R4078449-3 06/06/24 22:37 • (MSD) R4078449-4 06/06/24 22:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	26.5	24.4	39.9	31.3	58.4	26.1	20	50.0-150		J3 J6	24.0	20
C22-C32 Hydrocarbons	24.5	279	183	117	0.000	0.000	20	50.0-150	V	J3 V	44.0	20
(S) o-Terphenyl					*89.0*	*78.9*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4081254-1 06/12/24 18:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*89.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4081254-2 06/12/24 18:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.1	76.4	50.0-150	
C22-C32 Hydrocarbons	25.0	16.9	67.6	50.0-150	
(S) o-Terphenyl			*68.9*	*18.0-148*	

L1741416-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-15 06/12/24 22:33 • (MS) R4081254-3 06/12/24 22:47 • (MSD) R4081254-4 06/12/24 23:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	33.4	341	660	630	955	860	20	50.0-150	V	V	4.71	20
C22-C32 Hydrocarbons	24.2	1570	2930	2760	4050	3540	20	50.0-150	V	V	5.83	20
(S) o-Terphenyl					*99.2*	*93.5*		*18.0-148*	J7	J7		

Method Blank (MB)

(MB) R4077989-1 06/05/24 21:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*113*			*10.0-135*
(S) Tetrachloro-m-xylene	*101*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4077989-5 06/05/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.172	103	36.0-141	
PCB 1260	0.167	0.165	98.8	37.0-145	
(S) Decachlorobiphenyl			*100*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1741413-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741413-02 06/05/24 22:22 • (MS) R4077989-6 06/05/24 22:50 • (MSD) R4077989-7 06/05/24 23:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.167	U	0.154	0.156	91.8	93.7	1	10.0-160			1.36	37
PCB 1260	0.167	U	0.176	0.175	105	105	1	10.0-160			0.601	38
(S) Decachlorobiphenyl					*109*	*114*		*10.0-135*				
(S) Tetrachloro-m-xylene					*92.8*	*92.9*		*10.0-139*				

Method Blank (MB)

(MB) R4078157-1 06/05/24 21:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*129*			*10.0-135*
(S) Tetrachloro-m-xylene	*105*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4078157-2 06/05/24 21:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.112	67.1	36.0-141	
PCB 1260	0.167	0.136	81.4	37.0-145	
(S) Decachlorobiphenyl			*94.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*78.4*	*10.0-139*	

L1741452-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741452-01 06/05/24 21:44 • (MS) R4078157-3 06/05/24 21:54 • (MSD) R4078157-4 06/05/24 22:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.166	U	0.0725	0.0788	43.7	48.0	1	10.0-160			8.33	37
PCB 1260	0.166	U	0.0687	0.0671	41.4	40.9	1	10.0-160			2.36	38
(S) Decachlorobiphenyl					*42.8*	*41.5*		*10.0-135*				
(S) Tetrachloro-m-xylene					*57.0*	*60.2*		*10.0-139*				

Method Blank (MB)

(MB) R4079161-1 06/07/24 19:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0236	0.0680
PCB 1221	U		0.0236	0.0680
PCB 1232	U		0.0236	0.0680
PCB 1242	U		0.0236	0.0680
PCB 1248	U		0.0148	0.0340
PCB 1254	U		0.0148	0.0340
PCB 1260	U		0.0148	0.0340
(S) Decachlorobiphenyl	*105*			*10.0-135*
(S) Tetrachloro-m-xylene	*86.9*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4079161-2 06/07/24 19:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.118	70.7	36.0-141	
PCB 1260	0.167	0.158	94.6	37.0-145	
(S) Decachlorobiphenyl			*88.1*	*10.0-135*	
(S) Tetrachloro-m-xylene			*86.5*	*10.0-139*	

Method Blank (MB)

(MB) R4084469-1 06/19/24 20:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*95.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*93.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4084469-2 06/19/24 20:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.169	101	36.0-141	
PCB 1260	0.167	0.164	98.2	37.0-145	
(S) Decachlorobiphenyl			*97.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*95.0*	*10.0-139*	

L1745477-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745477-06 06/20/24 02:27 • (MS) R4084469-3 06/20/24 02:37 • (MSD) R4084469-4 06/20/24 02:46

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.165	U	0.111	0.215	67.5	136	1	10.0-160		J3	63.8	37
PCB 1260	0.165	0.895	1.09	2.21	120	831	1	10.0-160	E	E J3 V	67.9	38
(S) Decachlorobiphenyl					*35.2*	*49.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*26.0*	*37.2*		*10.0-139*				

Method Blank (MB)

(MB) R4078668-2 06/06/24 18:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078668-2 06/06/24 18:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*74.3*			*12.0-120*
(S) Phenol-d5	*67.3*			*10.0-120*
(S) Nitrobenzene-d5	*61.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*64.3*			*15.0-120*
(S) 2,4,6-Tribromophenol	*61.9*			*10.0-127*
(S) p-Terphenyl-d14	*68.5*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.396	59.5	38.0-120	
Acenaphthylene	0.666	0.410	61.6	40.0-120	
Anthracene	0.666	0.404	60.7	42.0-120	
Benzidine	1.33	0.488	36.7	10.0-120	J
Benzo(a)anthracene	0.666	0.423	63.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.418	62.8	43.0-120	
Benzo(k)fluoranthene	0.666	0.415	62.3	44.0-120	
Benzo(g,h,i)perylene	0.666	0.409	61.4	43.0-120	
Benzo(a)pyrene	0.666	0.425	63.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.351	52.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.430	64.6	16.0-120	

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.383	57.5	23.0-120	
4-Bromophenyl-phenylether	0.666	0.436	65.5	40.0-120	
2-Chloronaphthalene	0.666	0.389	58.4	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.446	67.0	40.0-120	
Chrysene	0.666	0.411	61.7	43.0-120	
Dibenz(a,h)anthracene	0.666	0.413	62.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.379	56.9	32.0-120	
1,3-Dichlorobenzene	0.666	0.377	56.6	30.0-120	
1,4-Dichlorobenzene	0.666	0.371	55.7	31.0-120	
3,3-Dichlorobenzidine	1.33	0.824	62.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.462	69.4	45.0-120	
2,6-Dinitrotoluene	0.666	0.456	68.5	42.0-120	
Fluoranthene	0.666	0.438	65.8	44.0-120	
Fluorene	0.666	0.421	63.2	41.0-120	
Hexachlorobenzene	0.666	0.422	63.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.373	56.0	15.0-120	
Hexachlorocyclopentadiene	0.666	0.300	45.0	15.0-120	J
Hexachloroethane	0.666	0.399	59.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.404	60.7	45.0-120	
Isophorone	0.666	0.354	53.2	23.0-120	
Naphthalene	0.666	0.329	49.4	18.0-120	
Nitrobenzene	0.666	0.357	53.6	17.0-120	
n-Nitrosodimethylamine	0.666	0.289	43.4	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.406	61.0	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.396	59.5	26.0-120	
Phenanthrene	0.666	0.404	60.7	42.0-120	
Benzylbutyl phthalate	0.666	0.457	68.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.437	65.6	41.0-120	
Di-n-butyl phthalate	0.666	0.411	61.7	43.0-120	
Diethyl phthalate	0.666	0.434	65.2	43.0-120	
Dimethyl phthalate	0.666	0.427	64.1	43.0-120	
Di-n-octyl phthalate	0.666	0.448	67.3	40.0-120	
Pyrene	0.666	0.428	64.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.354	53.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.373	56.0	28.0-120	
2-Chlorophenol	0.666	0.432	64.9	28.0-120	
2,4-Dichlorophenol	0.666	0.378	56.8	25.0-120	
2,4-Dimethylphenol	0.666	0.437	65.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.490	73.6	16.0-120	
2,4-Dinitrophenol	0.666	0.405	60.8	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078668-1 06/06/24 18:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.411	61.7	20.0-120	
4-Nitrophenol	0.666	0.390	58.6	27.0-120	
Pentachlorophenol	0.666	0.359	53.9	29.0-120	
Phenol	0.666	0.412	61.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.414	62.2	37.0-120	
(S) 2-Fluorophenol			*75.2*	*12.0-120*	
(S) Phenol-d5			*65.6*	*10.0-120*	
(S) Nitrobenzene-d5			*51.7*	*10.0-122*	
(S) 2-Fluorobiphenyl			*65.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*63.4*	*10.0-127*	
(S) p-Terphenyl-d14			*65.8*	*10.0-120*	

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.887	U	0.487	0.537	55.0	60.5	2	18.0-120			9.65	32
Acenaphthylene	0.887	0.0194	0.502	0.566	54.4	61.7	2	25.0-120			12.0	32
Anthracene	0.887	0.0219	0.552	0.586	59.7	63.6	2	22.0-120			6.10	29
Benzidine	1.78	U	U	0.212	0.000	12.0	2	10.0-120	J6	J J3	200	40
Benzo(a)anthracene	0.887	0.168	0.662	0.771	55.7	67.9	2	25.0-120			15.1	29
Benzo(b)fluoranthene	0.887	0.304	0.669	0.787	41.1	54.4	2	19.0-122			16.1	31
Benzo(k)fluoranthene	0.887	0.0940	0.573	0.648	54.0	62.4	2	23.0-120			12.3	30
Benzo(g,h,i)perylene	0.887	0.158	0.530	0.613	42.0	51.4	2	10.0-120			14.5	33
Benzo(a)pyrene	0.887	0.211	0.654	0.752	50.0	61.0	2	24.0-120			13.9	30
Bis(2-chlorethoxy)methane	0.887	U	0.419	0.447	47.3	50.5	2	10.0-120	J	J	6.47	34
Bis(2-chloroethyl)ether	0.887	U	0.453	0.494	51.1	55.7	2	10.0-120	J	J	8.74	40
2,2-Oxybis(1-Chloropropane)	0.887	U	0.382	0.418	43.1	47.1	2	10.0-120	J	J	9.02	40
4-Bromophenyl-phenylether	0.887	U	0.580	0.617	65.4	69.6	2	27.0-120	J	J	6.25	30
2-Chloronaphthalene	0.887	U	0.458	0.506	51.7	57.1	2	20.0-120			9.97	32
4-Chlorophenyl-phenylether	0.887	U	0.577	0.626	65.1	70.6	2	24.0-120	J	J	8.21	29
Chrysene	0.887	0.260	0.668	0.780	45.9	58.6	2	21.0-120			15.5	29
Dibenz(a,h)anthracene	0.887	0.0447	0.522	0.572	53.8	59.4	2	10.0-120			9.04	32
1,2-Dichlorobenzene	0.887	U	0.390	0.439	44.0	49.5	2	10.0-120	J	J	11.9	38
1,3-Dichlorobenzene	0.887	U	0.379	0.402	42.8	45.3	2	10.0-120	J	J	5.81	40
1,4-Dichlorobenzene	0.887	U	0.379	0.405	42.8	45.6	2	10.0-120	J	J	6.47	39
3,3-Dichlorobenzidine	1.78	U	1.12	1.18	62.9	66.5	2	10.0-120			5.58	34
2,4-Dinitrotoluene	0.887	U	0.613	0.672	69.1	75.8	2	30.0-120	J	J	9.15	31

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.887	U	0.576	0.632	64.9	71.2	2	25.0-120	J	J	9.29	31
Fluoranthene	0.887	0.219	0.721	0.841	56.6	70.2	2	18.0-126			15.4	32
Fluorene	0.887	U	0.541	0.590	61.0	66.6	2	25.0-120			8.74	30
Hexachlorobenzene	0.887	U	0.593	0.596	66.9	67.2	2	27.0-120	J	J	0.449	28
Hexachloro-1,3-butadiene	0.887	U	0.483	0.540	54.5	60.8	2	10.0-120	J	J	11.0	38
Hexachlorocyclopentadiene	0.887	U	0.0501	0.0636	5.65	7.17	2	10.0-120	J J6	J J6	23.7	40
Hexachloroethane	0.887	U	0.389	0.427	43.8	48.2	2	10.0-120	J	J	9.49	40
Indeno(1,2,3-cd)pyrene	0.887	0.159	0.574	0.638	46.8	54.1	2	10.0-120			10.6	32
Isophorone	0.887	U	0.438	0.459	49.4	51.8	2	13.0-120	J	J	4.76	34
Naphthalene	0.887	U	0.406	0.434	45.8	48.9	2	10.0-120			6.68	35
Nitrobenzene	0.887	U	0.403	0.429	45.5	48.3	2	10.0-120	J	J	6.10	36
n-Nitrosodimethylamine	0.887	U	0.326	0.295	36.7	33.3	2	10.0-127	J	J	9.89	40
n-Nitrosodiphenylamine	0.887	U	0.525	0.572	59.2	64.5	2	17.0-120	J	J	8.53	29
n-Nitrosodi-n-propylamine	0.887	U	0.411	0.446	46.4	50.3	2	10.0-120	J	J	8.10	37
Phenanthrene	0.887	0.0714	0.578	0.642	57.2	64.4	2	17.0-120			10.5	31
Benzylbutyl phthalate	0.887	U	0.610	0.645	68.8	72.7	2	23.0-120	J	J	5.53	30
Bis(2-ethylhexyl)phthalate	0.887	U	0.585	0.638	66.0	72.0	2	17.0-126	J	J	8.73	30
Di-n-butyl phthalate	0.887	U	0.574	0.596	64.8	67.2	2	30.0-120	J	J	3.65	29
Diethyl phthalate	0.887	U	0.585	0.601	66.0	67.8	2	26.0-120	J	J	2.70	28
Dimethyl phthalate	0.887	U	0.549	0.580	61.9	65.4	2	25.0-120	J	J	5.44	29
Di-n-octyl phthalate	0.887	U	0.638	0.676	72.0	76.2	2	21.0-123	J	J	5.69	29
Pyrene	0.887	0.235	0.670	0.791	49.1	62.7	2	16.0-121			16.5	32
1,2,4-Trichlorobenzene	0.887	U	0.426	0.479	48.0	54.1	2	12.0-120	J	J	11.8	37
4-Chloro-3-methylphenol	0.887	U	0.557	0.577	62.8	65.1	2	15.0-120	J	J	3.53	30
2-Chlorophenol	0.887	U	0.481	0.510	54.2	57.5	2	15.0-120	J	J	5.93	37
2,4-Dichlorophenol	0.887	U	0.494	0.573	55.7	64.6	2	20.0-120	J	J	14.8	31
2,4-Dimethylphenol	0.887	U	0.556	0.589	62.7	66.4	2	10.0-120	J	J	5.83	33
4,6-Dinitro-2-methylphenol	0.887	U	0.473	0.506	53.3	57.1	2	10.0-120	J	J	6.82	39
2,4-Dinitrophenol	0.887	U	0.399	0.378	45.0	42.6	2	10.0-121	J	J	5.50	40
2-Nitrophenol	0.887	U	0.499	0.552	56.3	62.2	2	12.0-120	J	J	9.91	39
4-Nitrophenol	0.887	U	0.576	0.625	64.9	70.5	2	10.0-137	J	J	8.23	32
Pentachlorophenol	0.887	U	0.618	0.641	69.7	72.3	2	10.0-160	J	J	3.61	31
Phenol	0.887	U	0.449	0.465	50.6	52.4	2	12.0-120	J	J	3.51	38
2,4,6-Trichlorophenol	0.887	U	0.544	0.598	61.3	67.5	2	19.0-120	J	J	9.59	32
(S) 2-Fluorophenol					*59.0*	*61.9*		*12.0-120*				
(S) Phenol-d5					*53.2*	*57.8*		*10.0-120*				
(S) Nitrobenzene-d5					*42.8*	*48.8*		*10.0-122*				
(S) 2-Fluorobiphenyl					*53.0*	*59.6*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*66.7*	*67.5*		*10.0-127*				

L1740925-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740925-22 06/06/24 21:13 • (MS) R4078668-3 06/06/24 21:33 • (MSD) R4078668-4 06/06/24 21:53

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*66.9*	*67.2*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4078745-2 06/07/24 11:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078745-2 06/07/24 11:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*61.3*			*12.0-120*
(S) Phenol-d5	*55.6*			*10.0-120*
(S) Nitrobenzene-d5	*52.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*61.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*65.9*			*10.0-127*
(S) p-Terphenyl-d14	*68.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.466	70.0	38.0-120	
Acenaphthylene	0.666	0.486	73.0	40.0-120	
Anthracene	0.666	0.489	73.4	42.0-120	
Benzidine	1.33	0.512	38.5	10.0-120	J
Benzo(a)anthracene	0.666	0.508	76.3	44.0-120	
Benzo(b)fluoranthene	0.666	0.500	75.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.512	76.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.529	79.4	43.0-120	
Benzo(a)pyrene	0.666	0.516	77.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.372	55.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.422	63.4	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.414	62.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.507	76.1	40.0-120	
2-Chloronaphthalene	0.666	0.455	68.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.505	75.8	40.0-120	
Chrysene	0.666	0.493	74.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.552	82.9	44.0-120	
1,2-Dichlorobenzene	0.666	0.421	63.2	32.0-120	
1,3-Dichlorobenzene	0.666	0.411	61.7	30.0-120	
1,4-Dichlorobenzene	0.666	0.408	61.3	31.0-120	
3,3-Dichlorobenzidine	1.33	0.930	69.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.571	85.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.527	79.1	42.0-120	
Fluoranthene	0.666	0.502	75.4	44.0-120	
Fluorene	0.666	0.487	73.1	41.0-120	
Hexachlorobenzene	0.666	0.500	75.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.382	57.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.498	74.8	15.0-120	
Hexachloroethane	0.666	0.402	60.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.502	75.4	45.0-120	
Isophorone	0.666	0.367	55.1	23.0-120	
Naphthalene	0.666	0.356	53.5	18.0-120	
Nitrobenzene	0.666	0.359	53.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.378	56.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.480	72.1	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.429	64.4	26.0-120	
Phenanthrene	0.666	0.477	71.6	42.0-120	
Benzylbutyl phthalate	0.666	0.506	76.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.517	77.6	41.0-120	
Di-n-butyl phthalate	0.666	0.493	74.0	43.0-120	
Diethyl phthalate	0.666	0.485	72.8	43.0-120	
Dimethyl phthalate	0.666	0.483	72.5	43.0-120	
Di-n-octyl phthalate	0.666	0.523	78.5	40.0-120	
Pyrene	0.666	0.496	74.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.378	56.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.380	57.1	28.0-120	
2-Chlorophenol	0.666	0.459	68.9	28.0-120	
2,4-Dichlorophenol	0.666	0.392	58.9	25.0-120	
2,4-Dimethylphenol	0.666	0.440	66.1	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.554	83.2	16.0-120	
2,4-Dinitrophenol	0.666	0.517	77.6	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.444	66.7	20.0-120	
4-Nitrophenol	0.666	0.545	81.8	27.0-120	
Pentachlorophenol	0.666	0.507	76.1	29.0-120	
Phenol	0.666	0.424	63.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.477	71.6	37.0-120	
(S) 2-Fluorophenol			*69.1*	*12.0-120*	
(S) Phenol-d5			*62.5*	*10.0-120*	
(S) Nitrobenzene-d5			*46.8*	*10.0-122*	
(S) 2-Fluorobiphenyl			*68.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*85.1*	*10.0-127*	
(S) p-Terphenyl-d14			*73.6*	*10.0-120*	

L1742002-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742002-01 06/07/24 12:37 • (MS) R4078745-3 06/07/24 12:59 • (MSD) R4078745-4 06/07/24 13:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.765	0.327	0.790	1.05	60.6	95.4	2	18.0-120			28.4	32
Acenaphthylene	0.765	0.0167	0.535	0.546	67.8	69.6	2	25.0-120			2.02	32
Anthracene	0.765	0.690	1.09	1.49	52.7	105	2	22.0-120		J3	30.7	29
Benzidine	1.53	U	0.442	0.565	29.0	37.1	2	10.0-120	J	J	24.5	40
Benzo(a)anthracene	0.765	1.80	2.03	2.77	30.1	127	2	25.0-120		J3 J5	30.7	29
Benzo(b)fluoranthene	0.765	2.35	2.64	3.62	38.0	167	2	19.0-122		J3 J5	31.3	31
Benzo(k)fluoranthene	0.765	0.830	1.22	1.69	51.3	114	2	23.0-120		J3	32.4	30
Benzo(g,h,i)perylene	0.765	0.531	0.858	0.827	42.7	38.9	2	10.0-120			3.74	33
Benzo(a)pyrene	0.765	1.54	1.90	2.57	47.5	135	2	24.0-120		J5	29.8	30
Bis(2-chlorethoxy)methane	0.765	U	0.433	0.445	56.6	58.6	2	10.0-120	J	J	2.75	34
Bis(2-chloroethyl)ether	0.765	U	0.502	0.504	65.7	66.2	2	10.0-120	J	J	0.241	40
2,2-Oxybis(1-Chloropropane)	0.765	U	0.442	0.455	57.8	59.9	2	10.0-120	J	J	2.97	40
4-Bromophenyl-phenylether	0.765	U	0.558	0.596	72.9	78.3	2	27.0-120	J	J	6.51	30
2-Chloronaphthalene	0.765	U	0.495	0.499	64.7	65.6	2	20.0-120			0.731	32
4-Chlorophenyl-phenylether	0.765	U	0.563	0.560	73.6	73.7	2	24.0-120	J	J	0.431	29
Chrysene	0.765	1.40	1.96	2.68	72.8	167	2	21.0-120		J3 J5	30.8	29
Dibenz(a,h)anthracene	0.765	0.136	0.499	0.482	47.5	45.5	2	10.0-120			3.46	32
1,2-Dichlorobenzene	0.765	U	0.442	0.451	57.8	59.4	2	10.0-120	J	J	2.17	38
1,3-Dichlorobenzene	0.765	U	0.425	0.435	55.5	57.2	2	10.0-120	J	J	2.25	40
1,4-Dichlorobenzene	0.765	U	0.431	0.438	56.3	57.6	2	10.0-120	J	J	1.67	39
3,3-Dichlorobenzidine	1.53	U	1.02	1.09	66.8	71.6	2	10.0-120			6.88	34
2,4-Dinitrotoluene	0.765	U	0.634	0.646	82.9	85.0	2	30.0-120	J	J	1.89	31

L1742002-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742002-01 06/07/24 12:37 • (MS) R4078745-3 06/07/24 12:59 • (MSD) R4078745-4 06/07/24 13:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.765	U	0.574	0.593	75.0	78.0	2	25.0-120	J	J	3.32	31
Fluoranthene	0.765	3.95	3.53	5.12	0.000	154	2	18.0-126	V	E J3 V	36.6	32
Fluorene	0.765	0.235	0.753	0.938	67.7	92.5	2	25.0-120			21.9	30
Hexachlorobenzene	0.765	U	0.550	0.591	71.8	77.7	2	27.0-120	J	J	7.22	28
Hexachloro-1,3-butadiene	0.765	U	0.445	0.466	58.2	61.3	2	10.0-120	J	J	4.52	38
Hexachlorocyclopentadiene	0.765	U	0.134	0.156	17.6	20.5	2	10.0-120	J	J	15.0	40
Hexachloroethane	0.765	U	0.316	0.428	41.3	56.4	2	10.0-120	J	J	30.2	40
Indeno(1,2,3-cd)pyrene	0.765	0.594	0.960	0.980	47.8	50.8	2	10.0-120			2.12	32
Isophorone	0.765	U	0.424	0.443	55.4	58.3	2	13.0-120	J	J	4.47	34
Naphthalene	0.765	0.0956	0.501	0.556	53.0	60.5	2	10.0-120			10.3	35
Nitrobenzene	0.765	U	0.431	0.435	56.3	57.2	2	10.0-120	J	J	0.839	36
n-Nitrosodimethylamine	0.765	U	0.384	0.408	50.2	53.7	2	10.0-127	J	J	6.12	40
n-Nitrosodiphenylamine	0.765	U	0.529	0.560	69.1	73.7	2	17.0-120	J	J	5.78	29
n-Nitrosodi-n-propylamine	0.765	U	0.471	0.477	61.6	62.7	2	10.0-120	J	J	1.28	37
Phenanthrene	0.765	2.68	2.52	3.86	0.000	156	2	17.0-120	J6	E J3 J5	42.1	31
Benzylbutyl phthalate	0.765	U	0.551	0.626	72.0	82.3	2	23.0-120	J	J	12.8	30
Bis(2-ethylhexyl)phthalate	0.765	0.161	0.580	0.634	54.7	62.3	2	17.0-126	J	J	8.97	30
Di-n-butyl phthalate	0.765	U	0.520	0.554	68.0	72.9	2	30.0-120	J	J	6.31	29
Diethyl phthalate	0.765	U	0.533	0.562	69.6	73.9	2	26.0-120	J	J	5.31	28
Dimethyl phthalate	0.765	U	0.512	0.528	66.9	69.4	2	25.0-120	J	J	3.03	29
Di-n-octyl phthalate	0.765	U	0.570	0.605	74.5	79.6	2	21.0-123	J	J	5.97	29
Pyrene	0.765	3.18	3.10	4.41	0.000	161	2	16.0-121	V	E J3 V	34.8	32
1,2,4-Trichlorobenzene	0.765	U	0.447	0.459	58.4	60.4	2	12.0-120	J	J	2.67	37
4-Chloro-3-methylphenol	0.765	U	0.474	0.482	62.0	63.4	2	15.0-120	J	J	1.52	30
2-Chlorophenol	0.765	U	0.471	0.488	61.6	64.2	2	15.0-120	J	J	3.54	37
2,4-Dichlorophenol	0.765	U	0.439	0.435	57.4	57.2	2	20.0-120	J	J	1.11	31
2,4-Dimethylphenol	0.765	U	0.535	0.546	69.9	71.8	2	10.0-120	J	J	2.02	33
4,6-Dinitro-2-methylphenol	0.765	U	0.620	0.626	81.0	82.3	2	10.0-120	J	J	0.972	39
2,4-Dinitrophenol	0.765	U	0.743	0.737	97.2	97.0	2	10.0-121	J	J	0.818	40
2-Nitrophenol	0.765	U	0.441	0.414	57.6	54.5	2	12.0-120	J	J	6.23	39
4-Nitrophenol	0.765	U	0.468	0.447	61.2	58.8	2	10.0-137	J	J	4.76	32
Pentachlorophenol	0.765	U	0.171	0.153	22.3	20.1	2	10.0-160	J	J	11.2	31
Phenol	0.765	U	0.476	0.479	62.2	63.1	2	12.0-120	J	J	0.760	38
2,4,6-Trichlorophenol	0.765	U	0.367	0.277	47.9	36.5	2	19.0-120	J	J	27.8	32
(S) 2-Fluorophenol					*61.7*	*64.0*		*12.0-120*				
(S) Phenol-d5					*61.1*	*63.4*		*10.0-120*				
(S) Nitrobenzene-d5					*49.1*	*51.3*		*10.0-122*				
(S) 2-Fluorobiphenyl					*65.8*	*68.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*52.4*	*41.1*		*10.0-127*				

L1742002-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742002-01 06/07/24 12:37 • (MS) R4078745-3 06/07/24 12:59 • (MSD) R4078745-4 06/07/24 13:20

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*69.0*	*76.8*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4080658-2 06/11/24 18:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4080658-2 06/11/24 18:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*61.9*			*12.0-120*
(S) Phenol-d5	*55.1*			*10.0-120*
(S) Nitrobenzene-d5	*50.5*			*10.0-122*
(S) 2-Fluorobiphenyl	*59.5*			*15.0-120*
(S) 2,4,6-Tribromophenol	*60.5*			*10.0-127*
(S) p-Terphenyl-d14	*63.7*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4080658-1 06/11/24 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.441	66.2	38.0-120	
Acenaphthylene	0.666	0.464	69.7	40.0-120	
Anthracene	0.666	0.460	69.1	42.0-120	
Benzidine	1.33	0.446	33.5	10.0-120	J
Benzo(a)anthracene	0.666	0.481	72.2	44.0-120	
Benzo(b)fluoranthene	0.666	0.487	73.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.492	73.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.500	75.1	43.0-120	
Benzo(a)pyrene	0.666	0.492	73.9	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.369	55.4	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.372	55.9	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4080658-1 06/11/24 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.419	62.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.490	73.6	40.0-120	
2-Chloronaphthalene	0.666	0.442	66.4	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.477	71.6	40.0-120	
Chrysene	0.666	0.469	70.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.496	74.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.442	66.4	32.0-120	
1,3-Dichlorobenzene	0.666	0.421	63.2	30.0-120	
1,4-Dichlorobenzene	0.666	0.420	63.1	31.0-120	
3,3-Dichlorobenzidine	1.33	0.890	66.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.546	82.0	45.0-120	
2,6-Dinitrotoluene	0.666	0.494	74.2	42.0-120	
Fluoranthene	0.666	0.481	72.2	44.0-120	
Fluorene	0.666	0.462	69.4	41.0-120	
Hexachlorobenzene	0.666	0.482	72.4	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.405	60.8	15.0-120	
Hexachlorocyclopentadiene	0.666	0.470	70.6	15.0-120	
Hexachloroethane	0.666	0.413	62.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.472	70.9	45.0-120	
Isophorone	0.666	0.361	54.2	23.0-120	
Naphthalene	0.666	0.367	55.1	18.0-120	
Nitrobenzene	0.666	0.363	54.5	17.0-120	
n-Nitrosodimethylamine	0.666	0.382	57.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.445	66.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.424	63.7	26.0-120	
Phenanthrene	0.666	0.453	68.0	42.0-120	
Benzylbutyl phthalate	0.666	0.470	70.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.482	72.4	41.0-120	
Di-n-butyl phthalate	0.666	0.460	69.1	43.0-120	
Diethyl phthalate	0.666	0.460	69.1	43.0-120	
Dimethyl phthalate	0.666	0.456	68.5	43.0-120	
Di-n-octyl phthalate	0.666	0.482	72.4	40.0-120	
Pyrene	0.666	0.470	70.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.385	57.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.375	56.3	28.0-120	
2-Chlorophenol	0.666	0.459	68.9	28.0-120	
2,4-Dichlorophenol	0.666	0.395	59.3	25.0-120	
2,4-Dimethylphenol	0.666	0.435	65.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.553	83.0	16.0-120	
2,4-Dinitrophenol	0.666	0.541	81.2	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4080658-1 06/11/24 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.462	69.4	20.0-120	
4-Nitrophenol	0.666	0.506	76.0	27.0-120	
Pentachlorophenol	0.666	0.477	71.6	29.0-120	
Phenol	0.666	0.432	64.9	28.0-120	
2,4,6-Trichlorophenol	0.666	0.474	71.2	37.0-120	
(S) 2-Fluorophenol			*71.3*	*12.0-120*	
(S) Phenol-d5			*64.3*	*10.0-120*	
(S) Nitrobenzene-d5			*59.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*67.9*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*82.6*	*10.0-127*	
(S) p-Terphenyl-d14			*71.2*	*10.0-120*	

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*57.5*			*12.0-120*
(S) Phenol-d5	*50.5*			*10.0-120*
(S) Nitrobenzene-d5	*51.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*57.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*33.8*			*10.0-127*
(S) p-Terphenyl-d14	*57.7*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.478	71.8	38.0-120	
Acenaphthylene	0.666	0.512	76.9	40.0-120	
Anthracene	0.666	0.501	75.2	42.0-120	
Benzidine	1.33	0.457	34.4	10.0-120	J
Benzo(a)anthracene	0.666	0.529	79.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.499	74.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.502	75.4	44.0-120	
Benzo(g,h,i)perylene	0.666	0.447	67.1	43.0-120	
Benzo(a)pyrene	0.666	0.516	77.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.384	57.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.528	79.3	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.453	68.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.384	57.7	40.0-120	
2-Chloronaphthalene	0.666	0.464	69.7	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.485	72.8	40.0-120	
Chrysene	0.666	0.527	79.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.453	68.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.451	67.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.422	63.4	30.0-120	
1,4-Dichlorobenzene	0.666	0.422	63.4	31.0-120	
3,3-Dichlorobenzidine	1.33	0.791	59.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.558	83.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.571	85.7	42.0-120	
Fluoranthene	0.666	0.467	70.1	44.0-120	
Fluorene	0.666	0.497	74.6	41.0-120	
Hexachlorobenzene	0.666	0.316	47.4	39.0-120	J
Hexachloro-1,3-butadiene	0.666	0.391	58.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.334	50.2	15.0-120	
Hexachloroethane	0.666	0.416	62.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.427	64.1	45.0-120	
Isophorone	0.666	0.404	60.7	23.0-120	
Naphthalene	0.666	0.377	56.6	18.0-120	
Nitrobenzene	0.666	0.379	56.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.377	56.6	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.481	72.2	26.0-120	
Phenanthrene	0.666	0.493	74.0	42.0-120	
Benzylbutyl phthalate	0.666	0.643	96.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.656	98.5	41.0-120	
Di-n-butyl phthalate	0.666	0.501	75.2	43.0-120	
Diethyl phthalate	0.666	0.540	81.1	43.0-120	
Dimethyl phthalate	0.666	0.531	79.7	43.0-120	
Di-n-octyl phthalate	0.666	0.633	95.0	40.0-120	
Pyrene	0.666	0.580	87.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.394	59.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.399	59.9	28.0-120	
2-Chlorophenol	0.666	0.480	72.1	28.0-120	
2,4-Dichlorophenol	0.666	0.404	60.7	25.0-120	
2,4-Dimethylphenol	0.666	0.449	67.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.603	90.5	16.0-120	
2,4-Dinitrophenol	0.666	0.490	73.6	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.470	70.6	20.0-120	
4-Nitrophenol	0.666	0.625	93.8	27.0-120	
Pentachlorophenol	0.666	0.353	53.0	29.0-120	
Phenol	0.666	0.418	62.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*72.8*	*12.0-120*	
(S) Phenol-d5			*63.8*	*10.0-120*	
(S) Nitrobenzene-d5			*52.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*73.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*43.7*	*10.0-127*	
(S) p-Terphenyl-d14			*70.0*	*10.0-120*	

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.809	U	0.414	0.396	51.2	48.6	1	18.0-120			4.59	32
Acenaphthylene	0.809	U	0.453	0.430	56.0	52.9	1	25.0-120			5.06	32
Anthracene	0.809	U	0.458	0.442	56.6	54.3	1	22.0-120			3.59	29
Benzidine	1.61	U	0.165	0.159	10.2	9.77	1	10.0-120	J	J J6	3.83	40
Benzo(a)anthracene	0.809	U	0.474	0.445	58.6	54.7	1	25.0-120			6.21	29
Benzo(b)fluoranthene	0.809	U	0.452	0.419	55.8	51.5	1	19.0-122			7.41	31
Benzo(k)fluoranthene	0.809	U	0.447	0.423	55.2	52.0	1	23.0-120			5.42	30
Benzo(g,h,i)perylene	0.809	U	0.403	0.375	49.8	46.0	1	10.0-120			7.34	33
Benzo(a)pyrene	0.809	U	0.454	0.434	56.1	53.4	1	24.0-120			4.47	30
Bis(2-chlorethoxy)methane	0.809	U	0.356	0.345	44.0	42.4	1	10.0-120	J	J	3.19	34
Bis(2-chloroethyl)ether	0.809	U	0.489	0.459	60.4	56.4	1	10.0-120			6.28	40
2,2-Oxybis(1-Chloropropane)	0.809	U	0.397	0.382	49.1	47.0	1	10.0-120	J	J	3.82	40
4-Bromophenyl-phenylether	0.809	U	0.349	0.344	43.1	42.2	1	27.0-120	J	J	1.43	30
2-Chloronaphthalene	0.809	U	0.408	0.386	50.5	47.4	1	20.0-120			5.63	32
4-Chlorophenyl-phenylether	0.809	U	0.433	0.429	53.5	52.7	1	24.0-120			0.863	29
Chrysene	0.809	U	0.480	0.449	59.4	55.2	1	21.0-120			6.68	29
Dibenz(a,h)anthracene	0.809	U	0.396	0.373	48.9	45.9	1	10.0-120			5.81	32
1,2-Dichlorobenzene	0.809	U	0.414	0.397	51.2	48.8	1	10.0-120		J	4.28	38
1,3-Dichlorobenzene	0.809	U	0.388	0.375	48.0	46.0	1	10.0-120	J	J	3.58	40
1,4-Dichlorobenzene	0.809	U	0.398	0.378	49.2	46.5	1	10.0-120	J	J	5.11	39
3,3-Dichlorobenzidine	1.61	U	0.579	0.504	35.9	31.0	1	10.0-120			14.0	34
2,4-Dinitrotoluene	0.809	U	0.501	0.481	62.0	59.1	1	30.0-120			4.04	31

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.809	U	0.515	0.486	63.7	59.8	1	25.0-120			5.70	31
Fluoranthene	0.809	U	0.425	0.413	52.6	50.8	1	18.0-126			2.96	32
Fluorene	0.809	U	0.453	0.428	56.0	52.6	1	25.0-120			5.63	30
Hexachlorobenzene	0.809	U	0.290	0.280	35.9	34.5	1	27.0-120	J	J	3.48	28
Hexachloro-1,3-butadiene	0.809	U	0.367	0.354	45.4	43.4	1	10.0-120	J	J	3.79	38
Hexachlorocyclopentadiene	0.809	U	0.284	0.258	35.1	31.7	1	10.0-120	J	J	9.61	40
Hexachloroethane	0.809	U	0.376	0.363	46.5	44.7	1	10.0-120	J	J	3.36	40
Indeno(1,2,3-cd)pyrene	0.809	U	0.382	0.362	47.2	44.5	1	10.0-120			5.33	32
Isophorone	0.809	U	0.377	0.368	46.6	45.3	1	13.0-120	J	J	2.33	34
Naphthalene	0.809	U	0.358	0.345	44.3	42.4	1	10.0-120			3.88	35
Nitrobenzene	0.809	U	0.358	0.347	44.3	42.7	1	10.0-120	J	J	3.16	36
n-Nitrosodimethylamine	0.809	U	0.376	0.342	46.5	42.1	1	10.0-127	J	J	9.33	40
n-Nitrosodiphenylamine	0.809	U	0.360	0.342	44.5	42.1	1	17.0-120	J	J	4.95	29
n-Nitrosodi-n-propylamine	0.809	U	0.439	0.423	54.3	52.0	1	10.0-120			3.74	37
Phenanthrene	0.809	U	0.443	0.438	54.8	53.8	1	17.0-120			1.13	31
Benzylbutyl phthalate	0.809	U	0.604	0.561	74.7	68.9	1	23.0-120			7.45	30
Bis(2-ethylhexyl)phthalate	0.809	U	0.594	0.561	73.5	68.9	1	17.0-126			5.80	30
Di-n-butyl phthalate	0.809	U	0.452	0.440	55.8	54.1	1	30.0-120			2.50	29
Diethyl phthalate	0.809	U	0.483	0.466	59.7	57.3	1	26.0-120			3.40	28
Dimethyl phthalate	0.809	U	0.464	0.450	57.4	55.3	1	25.0-120			2.99	29
Di-n-octyl phthalate	0.809	U	0.595	0.552	73.6	67.8	1	21.0-123			7.57	29
Pyrene	0.809	U	0.516	0.492	63.8	60.5	1	16.0-121			4.67	32
1,2,4-Trichlorobenzene	0.809	U	0.366	0.356	45.2	43.8	1	12.0-120	J	J	2.75	37
4-Chloro-3-methylphenol	0.809	U	0.371	0.355	45.9	43.6	1	15.0-120	J	J	4.44	30
2-Chlorophenol	0.809	U	0.434	0.407	53.7	50.0	1	15.0-120		J	6.49	37
2,4-Dichlorophenol	0.809	U	0.371	0.371	45.9	45.6	1	20.0-120	J	J	0.000	31
2,4-Dimethylphenol	0.809	U	0.357	0.357	44.2	43.9	1	10.0-120	J	J	0.000	33
4,6-Dinitro-2-methylphenol	0.809	U	0.708	0.685	87.6	84.1	1	10.0-120			3.38	39
2,4-Dinitrophenol	0.809	U	0.781	0.750	96.6	92.2	1	10.0-121			4.05	40
2-Nitrophenol	0.809	U	0.455	0.434	56.3	53.4	1	12.0-120			4.74	39
4-Nitrophenol	0.809	U	0.628	0.567	77.6	69.7	1	10.0-137			10.2	32
Pentachlorophenol	0.809	U	0.404	0.391	50.0	48.0	1	10.0-160	J	J	3.43	31
Phenol	0.809	U	0.373	0.370	46.2	45.4	1	12.0-120	J	J	1.00	38
2,4,6-Trichlorophenol	0.809	U	0.425	0.438	52.6	53.8	1	19.0-120			2.87	32
(S) 2-Fluorophenol					*54.4*	*51.1*		*12.0-120*				
(S) Phenol-d5					*46.0*	*45.1*		*10.0-120*				
(S) Nitrobenzene-d5					*41.7*	*40.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*51.5*	*48.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*33.3*	*32.6*		*10.0-127*				

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*51.2*	*47.6*		*10.0-120*				

Method Blank (MB)

(MB) R4080581-2 06/11/24 23:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4080581-2 06/11/24 23:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*82.1*			*12.0-120*
(S) Phenol-d5	*79.0*			*10.0-120*
(S) Nitrobenzene-d5	*77.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*65.5*			*10.0-127*
(S) p-Terphenyl-d14	*76.3*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.560	84.1	38.0-120	
Acenaphthylene	0.666	0.548	82.3	40.0-120	
Anthracene	0.666	0.557	83.6	42.0-120	
Benzidine	1.33	0.683	51.4	10.0-120	J
Benzo(a)anthracene	0.666	0.616	92.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.599	89.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.583	87.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.580	87.1	43.0-120	
Benzo(a)pyrene	0.666	0.606	91.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.481	72.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	1.13	170	16.0-120	J4

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.494	74.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.570	85.6	40.0-120	
2-Chloronaphthalene	0.666	0.501	75.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.629	94.4	40.0-120	
Chrysene	0.666	0.598	89.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.582	87.4	44.0-120	
1,2-Dichlorobenzene	0.666	0.513	77.0	32.0-120	
1,3-Dichlorobenzene	0.666	0.494	74.2	30.0-120	
1,4-Dichlorobenzene	0.666	0.501	75.2	31.0-120	
3,3-Dichlorobenzidine	1.33	1.25	94.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.683	103	45.0-120	
2,6-Dinitrotoluene	0.666	0.635	95.3	42.0-120	
Fluoranthene	0.666	0.614	92.2	44.0-120	
Fluorene	0.666	0.600	90.1	41.0-120	
Hexachlorobenzene	0.666	0.540	81.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.541	81.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.365	54.8	15.0-120	
Hexachloroethane	0.666	0.499	74.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.571	85.7	45.0-120	
Isophorone	0.666	0.500	75.1	23.0-120	
Naphthalene	0.666	0.443	66.5	18.0-120	
Nitrobenzene	0.666	0.498	74.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.349	52.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.507	76.1	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.537	80.6	26.0-120	
Phenanthrene	0.666	0.547	82.1	42.0-120	
Benzylbutyl phthalate	0.666	0.677	102	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.669	100	41.0-120	
Di-n-butyl phthalate	0.666	0.571	85.7	43.0-120	
Diethyl phthalate	0.666	0.605	90.8	43.0-120	
Dimethyl phthalate	0.666	0.588	88.3	43.0-120	
Di-n-octyl phthalate	0.666	0.700	105	40.0-120	
Pyrene	0.666	0.637	95.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.494	74.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.537	80.6	28.0-120	
2-Chlorophenol	0.666	0.562	84.4	28.0-120	
2,4-Dichlorophenol	0.666	0.527	79.1	25.0-120	
2,4-Dimethylphenol	0.666	0.605	90.8	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.631	94.7	16.0-120	
2,4-Dinitrophenol	0.666	0.545	81.8	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.522	78.4	20.0-120	
4-Nitrophenol	0.666	0.506	76.0	27.0-120	
Pentachlorophenol	0.666	0.406	61.0	29.0-120	
Phenol	0.666	0.578	86.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.546	82.0	37.0-120	
(S) 2-Fluorophenol			*93.5*	*12.0-120*	
(S) Phenol-d5			*90.7*	*10.0-120*	
(S) Nitrobenzene-d5			*71.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*83.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*82.1*	*10.0-127*	
(S) p-Terphenyl-d14			*92.2*	*10.0-120*	

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.723	U	0.479	0.444	66.2	61.5	1	18.0-120			7.64	32
Acenaphthylene	0.723	U	0.487	0.433	67.3	60.1	1	25.0-120			11.6	32
Anthracene	0.723	U	0.505	0.438	69.8	60.7	1	22.0-120			14.2	29
Benzidine	1.44	U	0.232	0.373	16.1	25.8	1	10.0-120	J	J J3	46.6	40
Benzo(a)anthracene	0.723	U	0.541	0.458	74.8	63.6	1	25.0-120			16.6	29
Benzo(b)fluoranthene	0.723	U	0.528	0.450	73.0	62.5	1	19.0-122			15.8	31
Benzo(k)fluoranthene	0.723	U	0.520	0.442	71.9	61.4	1	23.0-120			16.1	30
Benzo(g,h,i)perylene	0.723	U	0.519	0.450	71.7	62.5	1	10.0-120			14.1	33
Benzo(a)pyrene	0.723	U	0.539	0.465	74.5	64.5	1	24.0-120			14.7	30
Bis(2-chlorethoxy)methane	0.723	U	0.429	0.380	59.3	52.7	1	10.0-120			12.1	34
Bis(2-chloroethyl)ether	0.723	U	0.570	0.354	78.8	49.1	1	10.0-120		J J3	46.8	40
2,2-Oxybis(1-Chloropropane)	0.723	U	0.415	0.375	57.4	52.1	1	10.0-120		J	10.1	40
4-Bromophenyl-phenylether	0.723	U	0.504	0.449	69.7	62.3	1	27.0-120			11.5	30
2-Chloronaphthalene	0.723	U	0.441	0.399	61.0	55.4	1	20.0-120			10.0	32
4-Chlorophenyl-phenylether	0.723	U	0.560	0.488	77.4	67.7	1	24.0-120			13.7	29
Chrysene	0.723	U	0.527	0.440	72.8	61.0	1	21.0-120			17.9	29
Dibenz(a,h)anthracene	0.723	U	0.528	0.458	73.0	63.6	1	10.0-120			14.1	32
1,2-Dichlorobenzene	0.723	U	0.431	0.386	59.6	53.5	1	10.0-120			11.1	38
1,3-Dichlorobenzene	0.723	U	0.415	0.375	57.4	52.1	1	10.0-120		J	10.1	40
1,4-Dichlorobenzene	0.723	U	0.432	0.372	59.7	51.6	1	10.0-120		J	15.0	39
3,3-Dichlorobenzidine	1.44	U	1.10	0.914	76.4	63.3	1	10.0-120			18.7	34
2,4-Dinitrotoluene	0.723	U	0.590	0.520	81.6	72.1	1	30.0-120			12.7	31

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.723	U	0.560	0.517	77.4	71.8	1	25.0-120			7.81	31
Fluoranthene	0.723	U	0.560	0.472	77.4	65.5	1	18.0-126			17.0	32
Fluorene	0.723	U	0.516	0.476	71.4	66.1	1	25.0-120			8.02	30
Hexachlorobenzene	0.723	U	0.487	0.434	67.3	60.3	1	27.0-120			11.4	28
Hexachloro-1,3-butadiene	0.723	U	0.480	0.434	66.4	60.3	1	10.0-120			9.95	38
Hexachlorocyclopentadiene	0.723	U	0.210	0.235	29.1	32.6	1	10.0-120	J	J	11.2	40
Hexachloroethane	0.723	U	0.458	0.380	63.4	52.7	1	10.0-120			18.7	40
Indeno(1,2,3-cd)pyrene	0.723	U	0.517	0.457	71.5	63.4	1	10.0-120			12.4	32
Isophorone	0.723	U	0.457	0.409	63.2	56.8	1	13.0-120			11.0	34
Naphthalene	0.723	U	0.411	0.363	56.8	50.3	1	10.0-120			12.4	35
Nitrobenzene	0.723	U	0.444	0.409	61.3	56.8	1	10.0-120			8.00	36
n-Nitrosodimethylamine	0.723	U	0.298	0.247	41.2	34.2	1	10.0-127	J	J	18.8	40
n-Nitrosodiphenylamine	0.723	U	0.475	0.414	65.7	57.4	1	17.0-120			13.8	29
n-Nitrosodi-n-propylamine	0.723	U	0.464	0.415	64.2	57.6	1	10.0-120			11.1	37
Phenanthrene	0.723	U	0.497	0.428	68.7	59.3	1	17.0-120			15.0	31
Benzylbutyl phthalate	0.723	U	0.610	0.506	84.3	70.2	1	23.0-120			18.6	30
Bis(2-ethylhexyl)phthalate	0.723	U	0.600	0.515	83.0	71.5	1	17.0-126			15.3	30
Di-n-butyl phthalate	0.723	U	0.514	0.444	71.1	61.5	1	30.0-120			14.7	29
Diethyl phthalate	0.723	U	0.537	0.474	74.2	65.8	1	26.0-120			12.4	28
Dimethyl phthalate	0.723	U	0.506	0.461	70.0	63.9	1	25.0-120			9.41	29
Di-n-octyl phthalate	0.723	U	0.621	0.511	85.8	70.8	1	21.0-123			19.5	29
Pyrene	0.723	U	0.552	0.473	76.3	65.6	1	16.0-121			15.3	32
1,2,4-Trichlorobenzene	0.723	U	0.440	0.411	60.8	56.9	1	12.0-120			6.95	37
4-Chloro-3-methylphenol	0.723	U	0.507	0.433	70.1	60.1	1	15.0-120			15.7	30
2-Chlorophenol	0.723	U	0.498	0.430	68.9	59.6	1	15.0-120			14.7	37
2,4-Dichlorophenol	0.723	U	0.478	0.424	66.0	58.8	1	20.0-120			11.9	31
2,4-Dimethylphenol	0.723	U	0.554	0.494	76.6	68.5	1	10.0-120			11.5	33
4,6-Dinitro-2-methylphenol	0.723	U	0.553	0.522	76.4	72.4	1	10.0-120			5.71	39
2,4-Dinitrophenol	0.723	U	0.515	0.530	71.2	73.5	1	10.0-121			2.83	40
2-Nitrophenol	0.723	U	0.490	0.451	67.8	62.6	1	12.0-120			8.21	39
4-Nitrophenol	0.723	U	0.482	0.425	66.7	59.0	1	10.0-137			12.5	32
Pentachlorophenol	0.723	U	0.497	0.405	68.7	56.2	1	10.0-160			20.4	31
Phenol	0.723	U	0.483	0.428	66.8	59.3	1	12.0-120			12.2	38
2,4,6-Trichlorophenol	0.723	U	0.498	0.463	68.9	64.2	1	19.0-120			7.34	32
(S) 2-Fluorophenol					*78.6*	*68.6*		*12.0-120*				
(S) Phenol-d5					*73.3*	*63.9*		*10.0-120*				
(S) Nitrobenzene-d5					*61.6*	*55.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*66.4*	*64.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*70.9*	*62.8*		*10.0-127*				

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*76.1*	*63.4*		*10.0-120*				

Method Blank (MB)

(MB) R4081126-2 06/12/24 21:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4081126-2 06/12/24 21:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*66.8*			*12.0-120*
(S) Phenol-d5	*60.7*			*10.0-120*
(S) Nitrobenzene-d5	*58.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*70.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*45.8*			*10.0-127*
(S) p-Terphenyl-d14	*70.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081126-1 06/12/24 21:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.445	66.8	38.0-120	
Acenaphthylene	0.666	0.488	73.3	40.0-120	
Anthracene	0.666	0.494	74.2	42.0-120	
Benzidine	1.33	0.436	32.8	10.0-120	J
Benzo(a)anthracene	0.666	0.525	78.8	44.0-120	
Benzo(b)fluoranthene	0.666	0.500	75.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.512	76.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.448	67.3	43.0-120	
Benzo(a)pyrene	0.666	0.518	77.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.355	53.3	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.378	56.8	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081126-1 06/12/24 21:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.408	61.3	23.0-120	
4-Bromophenyl-phenylether	0.666	0.387	58.1	40.0-120	
2-Chloronaphthalene	0.666	0.452	67.9	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.491	73.7	40.0-120	
Chrysene	0.666	0.532	79.9	43.0-120	
Dibenz(a,h)anthracene	0.666	0.448	67.3	44.0-120	
1,2-Dichlorobenzene	0.666	0.444	66.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.426	64.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.432	64.9	31.0-120	
3,3-Dichlorobenzidine	1.33	0.803	60.4	28.0-120	
2,4-Dinitrotoluene	0.666	0.556	83.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.555	83.3	42.0-120	
Fluoranthene	0.666	0.468	70.3	44.0-120	
Fluorene	0.666	0.485	72.8	41.0-120	
Hexachlorobenzene	0.666	0.336	50.5	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.404	60.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.415	62.3	15.0-120	
Hexachloroethane	0.666	0.415	62.3	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.434	65.2	45.0-120	
Isophorone	0.666	0.381	57.2	23.0-120	
Naphthalene	0.666	0.367	55.1	18.0-120	
Nitrobenzene	0.666	0.364	54.7	17.0-120	
n-Nitrosodimethylamine	0.666	0.348	52.3	10.0-125	
n-Nitrosodiphenylamine	0.666	0.452	67.9	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.438	65.8	26.0-120	
Phenanthrene	0.666	0.480	72.1	42.0-120	
Benzylbutyl phthalate	0.666	0.632	94.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.639	95.9	41.0-120	
Di-n-butyl phthalate	0.666	0.498	74.8	43.0-120	
Diethyl phthalate	0.666	0.539	80.9	43.0-120	
Dimethyl phthalate	0.666	0.504	75.7	43.0-120	
Di-n-octyl phthalate	0.666	0.629	94.4	40.0-120	
Pyrene	0.666	0.564	84.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.390	58.6	17.0-120	
4-Chloro-3-methylphenol	0.666	0.388	58.3	28.0-120	
2-Chlorophenol	0.666	0.458	68.8	28.0-120	
2,4-Dichlorophenol	0.666	0.385	57.8	25.0-120	
2,4-Dimethylphenol	0.666	0.435	65.3	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.619	92.9	16.0-120	
2,4-Dinitrophenol	0.666	0.491	73.7	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081126-1 06/12/24 21:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.458	68.8	20.0-120	
4-Nitrophenol	0.666	0.616	92.5	27.0-120	
Pentachlorophenol	0.666	0.385	57.8	29.0-120	
Phenol	0.666	0.384	57.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.497	74.6	37.0-120	
(S) 2-Fluorophenol			*71.8*	*12.0-120*	
(S) Phenol-d5			*61.9*	*10.0-120*	
(S) Nitrobenzene-d5			*51.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*71.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*51.5*	*10.0-127*	
(S) p-Terphenyl-d14			*73.9*	*10.0-120*	

L1741416-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-36 06/13/24 04:24 • (MS) R4081126-3 06/13/24 04:45 • (MSD) R4081126-4 06/13/24 05:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.859	U	0.804	0.699	93.6	81.0	20	18.0-120	J	J	14.0	32
Acenaphthylene	0.859	U	0.730	0.655	85.0	76.0	20	25.0-120	J	J	10.8	32
Anthracene	0.859	U	0.801	0.687	93.3	79.7	20	22.0-120	J	J	15.4	29
Benzidine	1.71	U	2.32	2.32	135	134	20	10.0-120	J J5	J J5	0.000	40
Benzo(a)anthracene	0.859	U	0.861	0.779	100	90.4	20	25.0-120	J	J	9.97	29
Benzo(b)fluoranthene	0.859	U	0.833	0.795	96.9	92.2	20	19.0-122	J	J	4.70	31
Benzo(k)fluoranthene	0.859	U	0.821	0.712	95.6	82.6	20	23.0-120	J	J	14.3	30
Benzo(g,h,i)perylene	0.859	U	0.538	0.467	62.6	54.1	20	10.0-120	J	J	14.2	33
Benzo(a)pyrene	0.859	U	0.782	0.717	91.0	83.2	20	24.0-120	J	J	8.62	30
Bis(2-chlorethoxy)methane	0.859	U	0.709	0.555	82.5	64.4	20	10.0-120	J	J	24.4	34
Bis(2-chloroethyl)ether	0.859	U	U	1.10	0.000	127	20	10.0-120	J6	J J3 J5	200	40
2,2-Oxybis(1-Chloropropane)	0.859	U	U	0.671	0.000	77.8	20	10.0-120	J6	J J3	200	40
4-Bromophenyl-phenylether	0.859	U	0.670	0.589	77.9	68.3	20	27.0-120	J	J	12.8	30
2-Chloronaphthalene	0.859	U	0.732	0.655	85.1	76.0	20	20.0-120	J	J	11.0	32
4-Chlorophenyl-phenylether	0.859	U	0.837	0.716	97.4	83.0	20	24.0-120	J	J	15.6	29
Chrysene	0.859	U	0.919	0.833	107	96.6	20	21.0-120		J	9.78	29
Dibenz(a,h)anthracene	0.859	U	0.575	0.507	66.9	58.9	20	10.0-120	J	J	12.4	32
1,2-Dichlorobenzene	0.859	U	0.602	0.548	70.1	63.6	20	10.0-120	J	J	9.39	38
1,3-Dichlorobenzene	0.859	U	0.580	0.510	67.5	59.2	20	10.0-120	J	J	12.8	40
1,4-Dichlorobenzene	0.859	U	0.580	0.484	67.5	56.1	20	10.0-120	J	J	18.1	39
3,3-Dichlorobenzidine	1.71	U	1.19	1.07	69.4	61.8	20	10.0-120	J	J	10.7	34
2,4-Dinitrotoluene	0.859	U	0.770	0.671	89.6	77.8	20	30.0-120	J	J	13.7	31

L1741416-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-36 06/13/24 04:24 • (MS) R4081126-3 06/13/24 04:45 • (MSD) R4081126-4 06/13/24 05:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.859	U	0.836	0.712	97.2	82.6	20	25.0-120	J	J	16.0	31
Fluoranthene	0.859	U	0.836	0.730	97.2	84.7	20	18.0-126	J	J	13.5	32
Fluorene	0.859	U	0.907	0.776	106	90.1	20	25.0-120		J	15.5	30
Hexachlorobenzene	0.859	U	0.587	0.497	68.3	57.6	20	27.0-120	J	J	16.5	28
Hexachloro-1,3-butadiene	0.859	U	0.725	0.672	84.4	78.0	20	10.0-120	J	J	7.55	38
Hexachlorocyclopentadiene	0.859	U	U	U	0.000	0.000	20	10.0-120	J6	J6	0.000	40
Hexachloroethane	0.859	U	1.25	1.23	145	143	20	10.0-120	J J5	J J5	0.957	40
Indeno(1,2,3-cd)pyrene	0.859	U	0.518	0.494	60.3	57.3	20	10.0-120	J	J	4.69	32
Isophorone	0.859	U	1.83	1.99	213	231	20	13.0-120	J J5	J J5	8.28	34
Naphthalene	0.859	0.246	1.00	0.844	87.7	69.3	20	10.0-120		J	17.0	35
Nitrobenzene	0.859	U	0.602	0.614	70.1	71.3	20	10.0-120	J	J	1.95	36
n-Nitrosodimethylamine	0.652	U	U	U	0.000	0.000	20	10.0-127	J6	J6	0.000	40
n-Nitrosodiphenylamine	0.859	U	0.783	0.792	91.1	91.9	20	17.0-120	J	J	1.17	29
n-Nitrosodi-n-propylamine	0.859	U	U	1.56	0.000	180	20	10.0-120	J6	J J3 J5	200	37
Phenanthrene	0.859	0.200	1.02	0.912	95.6	82.6	20	17.0-120			11.3	31
Benzylbutyl phthalate	0.859	U	0.995	0.913	116	106	20	23.0-120	J	J	8.56	30
Bis(2-ethylhexyl)phthalate	0.652	U	U	U	0.000	0.000	20	17.0-126	J6	J6	0.000	30
Di-n-butyl phthalate	0.859	U	0.778	0.675	90.5	78.3	20	30.0-120	J	J	14.2	29
Diethyl phthalate	0.859	U	0.896	0.747	104	86.7	20	26.0-120	J	J	18.1	28
Dimethyl phthalate	0.859	U	U	U	91.7	76.3	20	25.0-120	J	J	18.0	29
Di-n-octyl phthalate	0.859	U	0.990	0.886	115	103	20	21.0-123	J	J	11.1	29
Pyrene	0.859	U	1.08	0.902	126	105	20	16.0-121	J5		18.3	32
1,2,4-Trichlorobenzene	0.859	U	0.764	0.596	89.0	69.1	20	12.0-120	J	J	24.8	37
4-Chloro-3-methylphenol	0.859	U	0.747	0.594	87.0	69.0	20	15.0-120	J	J	22.8	30
2-Chlorophenol	0.859	U	0.670	0.613	77.9	71.1	20	15.0-120	J	J	8.84	37
2,4-Dichlorophenol	0.859	U	0.928	0.569	108	66.1	20	20.0-120	J	J J3	47.9	31
2,4-Dimethylphenol	0.859	U	1.15	1.01	134	117	20	10.0-120	J J5	J	13.2	33
4,6-Dinitro-2-methylphenol	0.859	U	U	U	70.2	77.4	20	10.0-120	J	J	9.96	39
2,4-Dinitrophenol	0.652	U	U	U	0.000	0.000	20	10.0-121	J6	J6	0.000	40
2-Nitrophenol	0.859	U	1.56	1.56	181	180	20	12.0-120	J J5	J J5	0.000	39
4-Nitrophenol	0.859	U	1.10	1.04	129	121	20	10.0-137	J	J	5.77	32
Pentachlorophenol	0.859	U	0.952	0.795	111	92.2	20	10.0-160	J	J	18.0	31
Phenol	0.859	U	0.580	0.509	67.5	59.0	20	12.0-120	J	J	13.1	38
2,4,6-Trichlorophenol	0.859	U	0.811	0.754	94.3	87.5	20	19.0-120	J	J	7.25	32
(S) 2-Fluorophenol					*65.0*	*57.0*		*12.0-120*	J7	J7		
(S) Phenol-d5					*80.8*	*79.2*		*10.0-120*	J7	J7		
(S) Nitrobenzene-d5					*0.000*	*0.000*		*10.0-122*	J7	J7		
(S) 2-Fluorobiphenyl					*88.3*	*75.8*		*15.0-120*	J7	J7		
(S) 2,4,6-Tribromophenol					*66.2*	*66.3*		*10.0-127*	J7	J7		

L1741416-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-36 06/13/24 04:24 • (MS) R4081126-3 06/13/24 04:45 • (MSD) R4081126-4 06/13/24 05:06

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) p-Terphenyl-d14					*87.1*	*73.7*		*10.0-120*	J7	J7		

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure. Surrogate failure due to matrix.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # SEE Page 1

Lab Project # **ROUXOCA-CA**

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH 10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
SVP-10-8-8.0	Grab	SS	8	5/29/24	0758	3	X	X				X		-01
SVP-25-8-8.0		SS	8		0832	3	X	X				X		-02
SVP-36-5-5.0		SS	5		0915	3	X	X				X		-03
SVP-36-8-8.0		SS	8		0911	3	X	X				X		-04
SVP-61-4-4.0		SS	4		1157	3	X	X				X		-05
SVP-62-4-4.0		SS	4		1120	3	X	X				X		-06
EB-052924	Grab	~~WW~~ SS DS	—	5/29/24	1450	9	X	X	X			X		-07
TB-052924	Grab	~~WW~~ SS DS	—	5/29/24	1200	1						X		-08
		SS												
		SS												

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741416

Table H037

Acctnum: **ROUXOCA**

Template: **T253291**

Prelogin: **P1076441**

PM: **3500 - Jennifer Gambill**

PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 5/29/24	Time: 18:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date: 5/29/24	Time: 16:30	Received by: (Signature) FEDEX	Temp: °C Bottles Received: 12
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Organ	Date: 5/30/24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 6

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1741416

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-G1-1-1.0	Grab	SS	1.0	5/29/24	1330	4	○	○	●	●	●			-12
G-G1-1-2.0	Grab	SS	2.0		1335	4	○	○	●	●	●	●		-13
G-G1-1-3.0	Grab	SS	3.0		1340	4	●	●	●	○	●	●		-14
G-G1-1-4.0	Grab	SS	4.0		1350	4	○	○	○	○	○	○		-15
G-G1-1-5.0	Grab	SS	5.0		1400	4	●	●	○	○	○	●		-16
		SS												

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	05/29/24	15:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	5/29/24	16:30	Received by: (Signature) FEDEX	Temp: °C Bottles Received: 12
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/30/24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
Immediately
Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day X 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #
P1076441

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
G-G2-1-1.0	Grab	SS	1.0	5/29/24	1150	4	○	○	●	●	●			-17
G-G2-1-2.0	Grab	SS	2.0		1155	4	○	○	●	●	●	●		-18
G-G2-1-3.0	Grab	SS	3.0		1200	4	●	●	●	○	●	●		-19
G-G2-1-4.0	Grab	SS	4.0		1205	4	○	○	○	○	○	○		-20
G-G2-1-5.0	Grab	SS	5.0		1210	4	●	●	○	○	○	●		-21
		SS												

Chain of Custody Page 3 of 6

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1414116

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/29/24	15:00			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/29/24	16:30	FEDEX	12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition:
			Easton Orgn	5/30/24 0900	NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-G3-1-1.0	Grab	SS	1.0	5/29/24	1040	4	○	○	●	●	●			-27
G-G3-1-2.0	Grab	SS	2.0		1045	4	○	○	●	●	●	●		-23
G-G3-1-3.0	Grab	SS	3.0		1050	4	●	●	●	○	●	●		-24
G-G3-1-4.0	Grab	SS	4.0		1055	4	○	○	○	○	○	○		-25
G-G3-1-5.0	Grab	SS	5.0	↓	1105	4	●	●	○	○	○	●		-26
		SS												

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 174146

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/24/24	15:00			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/29/24	16:30	FEDEX	12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			Easton Organ	5/30/24	0900

Hold: | Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/BS-F4-1-1.0	Grab	SS	1.0	05/24/24	0930	12	○	○	●	●	●			-27
G/BS-F4-1-2.0	Grab	SS	2.0		0935	4	○	○	●	○	●	●		-28
G/BS-F4-1-3.0	Grab	SS	3.0		0945	4	●	●	●	○	●	●		-29
G/BS-F4-1-4.0	Grab	SS	4.0		1000	4	○	○	○	○	○	○		-30
G/BS-F4-1-5.0	Grab	SS	5.0		1005	4	●	●	○	○	○	●		-31
		SS												

Chain of Custody Page 5 of 6

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1741416

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	05/29/24	15:00			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/29/24	16:30	FEDEX	12	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			Easton Page	5/30/24	0900		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N___ Y_X_

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day _X_ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-F2-1-1.0	Grab	SS	1.0	05/29/24	0800	19	○	○	●	●	●			-32
G-F2-1-2.0	Grab	SS	2.0		0810	4	○	○	●	●	●	●		-33
G-F2-1-3.0	Grab	SS	3.0		0815	4	●	●	●	○	●	●		-34
G-F2-1-4.0	Grab	SS	4.0		0820	4	○	○	○	○	○	○		-35
G-F2-1-5.0	Grab	SS	5.0		0830	4	●	●	○	○	○	●		-36
		SS												

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1741416

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 05/29/24	Time: 15:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 5/29/24	Time: 16:30	Received by: (Signature) FEDEX	Temp: °C	Bottles Received: 12	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Organ	Date: 5/30/24	Time: 0900	Hold:	Condition NCF / OK

Tracking Numbers	Temperature
NA	1.0+0.1=1.1 EOA6
6841 8348 8843	0.8+0.1=0.9 EOA6

Name

5/30/24

Date

ANALYTICAL REPORT

October 01, 2024

Revised Report

Roux - Oakland, CA

Sample Delivery Group:	L1741491
Samples Received:	05/30/2024
Project Number:	ROUX ASSOCIATES.INC
Description:	AB&I Redevelopment

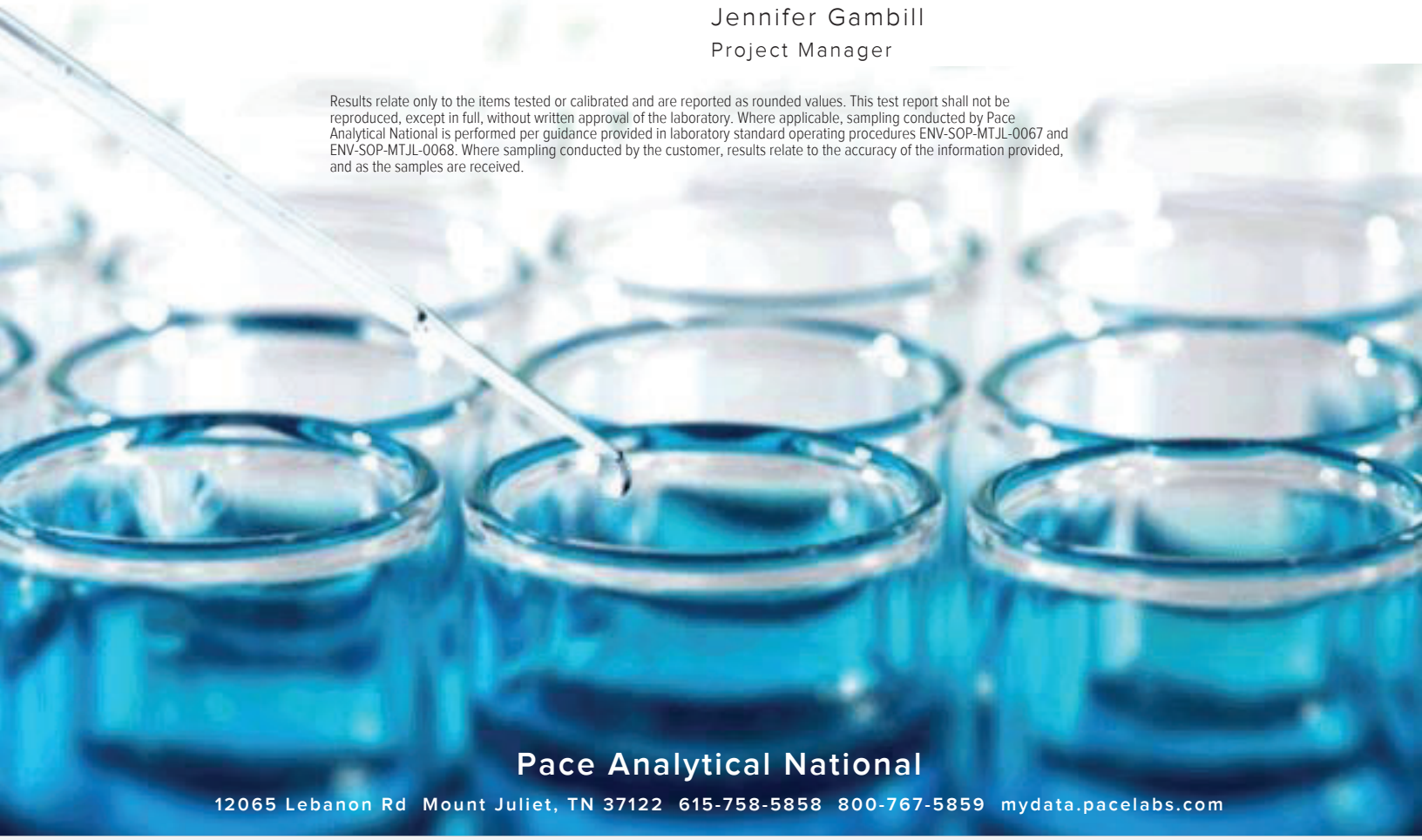
Report To:

Joshua Osborne
555 12th Street
Suite 250
Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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BS-G1-1-1.0 L1741491-01 Solid

Collected by	Collected date/time	Received date/time
	05/29/24 14:35	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296642	1	06/01/24 15:19	06/01/24 15:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:41	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297094	1	06/04/24 12:13	06/04/24 18:50	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298869	1	06/05/24 14:12	06/05/24 23:20	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299143	1	06/06/24 10:28	06/07/24 14:46	DSH	Mt. Juliet, TN

BS-G1-1-2.0 L1741491-02 Solid

Collected by	Collected date/time	Received date/time
	05/29/24 14:40	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296642	1	06/01/24 15:19	06/01/24 15:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:48	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297099	1	06/04/24 12:31	06/05/24 12:52	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1.76	05/29/24 14:40	06/05/24 07:20	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	1.76	05/29/24 14:40	06/07/24 00:10	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2298869	1	06/05/24 14:12	06/06/24 00:08	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299143	2	06/06/24 10:28	06/07/24 19:48	DSH	Mt. Juliet, TN

BS-G1-1-3.0 L1741491-03 Solid

Collected by	Collected date/time	Received date/time
	05/29/24 14:42	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296642	1	06/01/24 15:19	06/01/24 15:31	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2296691	1	06/01/24 11:13	06/02/24 21:51	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2297099	1	06/04/24 12:31	06/05/24 12:57	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	32	05/29/24 14:42	06/05/24 04:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1.46	05/29/24 14:42	06/05/24 07:39	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	1.46	05/29/24 14:42	06/07/24 00:28	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	10	06/06/24 09:41	06/06/24 21:41	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2299143	2	06/06/24 10:28	06/07/24 20:09	DSH	Mt. Juliet, TN

BS-G1-1-5.0 L1741491-05 Solid

Collected by	Collected date/time	Received date/time
	05/29/24 14:50	05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296643	1	06/01/24 15:34	06/01/24 15:48	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2298546	25.8	05/29/24 14:50	06/05/24 05:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2298650	1.05	05/29/24 14:50	06/05/24 07:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300243	1.05	05/29/24 14:50	06/07/24 00:47	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299541	1	06/06/24 09:41	06/06/24 19:36	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/24 18:02
Level II Report - Version 2: 08/16/24 10:42

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-G1-1-1.0	L1741491-01	Antimony	3.06		0.635	2.34	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Arsenic	4.29		0.605	2.34	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Barium	39.0		0.0995	0.584	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Cadmium	0.114	J	0.0550	0.584	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Chromium	112		0.155	1.17	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Cobalt	7.55		0.0947	1.17	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Copper	88.4		0.467	2.34	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Lead	37.0		0.243	0.584	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Molybdenum	14.4		0.127	0.584	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Nickel	76.9		0.154	2.34	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Silver	2.23		0.148	1.17	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Vanadium	82.3		0.591	2.34	1	06/04/2024 18:50	WG2297094
BS-G1-1-1.0	L1741491-01	Zinc	67.3		0.972	5.84	1	06/04/2024 18:50	WG2297094
BS-G1-1-2.0	L1741491-02	Antimony	7.00		0.621	2.28	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Arsenic	2.97		0.592	2.28	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Barium	37.8		0.0973	0.571	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Beryllium	0.0862	J	0.0360	0.228	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Chromium	175		0.152	1.14	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Cobalt	18.5		0.0926	1.14	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Copper	183		0.457	2.28	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Lead	34.2		0.238	0.571	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Molybdenum	113		0.124	0.571	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Nickel	320		0.151	2.28	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Vanadium	107		0.578	2.28	1	06/05/2024 12:52	WG2297099
BS-G1-1-2.0	L1741491-02	Zinc	12.9		0.950	5.71	1	06/05/2024 12:52	WG2297099
BS-G1-1-3.0	L1741491-03	Antimony	3.54		0.582	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Arsenic	0.987	J	0.554	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Barium	70.5		0.0911	0.534	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Beryllium	0.208	J	0.0337	0.214	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Chromium	269		0.142	1.07	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Cobalt	6.67		0.0867	1.07	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Copper	104		0.428	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Lead	23.2		0.222	0.534	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Molybdenum	17.3		0.117	0.534	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Nickel	71.4		0.141	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Thallium	1.04	J	0.421	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Vanadium	129		0.541	2.14	1	06/05/2024 12:57	WG2297099
BS-G1-1-3.0	L1741491-03	Zinc	12.9		0.889	5.34	1	06/05/2024 12:57	WG2297099

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-G1-1-3.0	L1741491-03	TPHG C5 - C12	3.50	B J	1.19	3.59	32	06/05/2024 04:43	WG2298546
BS-G1-1-5.0	L1741491-05	TPHG C5 - C12	5.45	B	1.43	4.31	25.8	06/05/2024 05:06	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-G1-1-2.0	L1741491-02	Benzene	0.00372		0.00101	0.00215	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	n-Butylbenzene	0.0133	J	0.0113	0.0269	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	Ethylbenzene	0.00415	J	0.00159	0.00538	1.76	06/07/2024 00:10	WG2300243
BS-G1-1-2.0	L1741491-02	Isopropylbenzene	0.00377	J	0.000915	0.00538	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	Naphthalene	0.0268	J	0.0105	0.0269	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	n-Propylbenzene	0.0166		0.00204	0.0108	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	Tetrachloroethene	0.0368		0.00193	0.00538	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	Toluene	0.00678	J	0.00280	0.0108	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	1,2,4-Trimethylbenzene	0.00953	J	0.00340	0.0108	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	1,2,3-Trimethylbenzene	0.00850	J	0.00340	0.0108	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-2.0	L1741491-02	Xylenes, Total	0.0119	J	0.00190	0.0139	1.76	06/05/2024 07:20	WG2298650
BS-G1-1-3.0	L1741491-03	Benzene	0.00200		0.000761	0.00163	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	Ethylbenzene	0.00269	J	0.00121	0.00407	1.46	06/07/2024 00:28	WG2300243
BS-G1-1-3.0	L1741491-03	Isopropylbenzene	0.00102	J	0.000692	0.00407	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	n-Propylbenzene	0.00281	J	0.00155	0.00815	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	Tetrachloroethene	0.0204		0.00146	0.00407	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	Toluene	0.00583	J	0.00212	0.00815	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	1,2,4-Trimethylbenzene	0.00721	J	0.00258	0.00815	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	1,2,3-Trimethylbenzene	0.00693	J	0.00258	0.00815	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	1,3,5-Trimethylbenzene	0.00509	J	0.00326	0.00815	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-3.0	L1741491-03	Xylenes, Total	0.0200		0.00143	0.0106	1.46	06/05/2024 07:39	WG2298650
BS-G1-1-5.0	L1741491-05	Ethylbenzene	0.00157	J	0.00129	0.00438	1.05	06/07/2024 00:47	WG2300243
BS-G1-1-5.0	L1741491-05	n-Propylbenzene	0.00315	J	0.00166	0.00874	1.05	06/05/2024 07:58	WG2298650
BS-G1-1-5.0	L1741491-05	Tetrachloroethene	0.0388		0.00157	0.00438	1.05	06/05/2024 07:58	WG2298650
BS-G1-1-5.0	L1741491-05	1,2,4-Trimethylbenzene	0.00624	J	0.00276	0.00874	1.05	06/05/2024 07:58	WG2298650
BS-G1-1-5.0	L1741491-05	1,2,3-Trimethylbenzene	0.00799	J	0.00276	0.00874	1.05	06/05/2024 07:58	WG2298650
BS-G1-1-5.0	L1741491-05	1,3,5-Trimethylbenzene	0.00446	J	0.00350	0.00874	1.05	06/05/2024 07:58	WG2298650
BS-G1-1-5.0	L1741491-05	Xylenes, Total	0.00699	J	0.00154	0.0114	1.05	06/05/2024 07:58	WG2298650

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-G1-1-3.0	L1741491-03	C22-C32 Hydrocarbons	73.4		14.2	42.8	10	06/06/2024 21:41	WG2299541
BS-G1-1-3.0	L1741491-03	C32-C40 Hydrocarbons	94.9		14.2	42.8	10	06/06/2024 21:41	WG2299541
BS-G1-1-5.0	L1741491-05	C12-C22 Hydrocarbons	1.84	J	0.982	5.36	1	06/06/2024 19:36	WG2299541
BS-G1-1-5.0	L1741491-05	C22-C32 Hydrocarbons	3.34	J	1.78	5.36	1	06/06/2024 19:36	WG2299541

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-G1-1-2.0	L1741491-02	Phenanthrene	0.0185	J	0.0151	0.0761	2	06/07/2024 19:48	WG2299143
BS-G1-1-3.0	L1741491-03	Benzo(a)anthracene	0.0139	J	0.0125	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Benzo(b)fluoranthene	0.0397	J	0.0133	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Benzo(k)fluoranthene	0.0140	J	0.0126	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Benzo(g,h,i)perylene	0.0171	J	0.0130	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Benzo(a)pyrene	0.0169	J	0.0133	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Chrysene	0.0292	J	0.0141	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Fluoranthene	0.0143	J	0.0128	0.0712	2	06/07/2024 20:09	WG2299143
BS-G1-1-3.0	L1741491-03	Pyrene	0.0175	J	0.0139	0.0712	2	06/07/2024 20:09	WG2299143

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	06/01/2024 15:31	WG2296642

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0210	0.0467	1	06/02/2024 21:41	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.06		0.635	2.34	1	06/04/2024 18:50	WG2297094
Arsenic	4.29		0.605	2.34	1	06/04/2024 18:50	WG2297094
Barium	39.0		0.0995	0.584	1	06/04/2024 18:50	WG2297094
Beryllium	U		0.0368	0.234	1	06/04/2024 18:50	WG2297094
Cadmium	0.114	J	0.0550	0.584	1	06/04/2024 18:50	WG2297094
Chromium	112		0.155	1.17	1	06/04/2024 18:50	WG2297094
Cobalt	7.55		0.0947	1.17	1	06/04/2024 18:50	WG2297094
Copper	88.4		0.467	2.34	1	06/04/2024 18:50	WG2297094
Lead	37.0		0.243	0.584	1	06/04/2024 18:50	WG2297094
Molybdenum	14.4		0.127	0.584	1	06/04/2024 18:50	WG2297094
Nickel	76.9		0.154	2.34	1	06/04/2024 18:50	WG2297094
Selenium	U		0.892	2.34	1	06/04/2024 18:50	WG2297094
Silver	2.23		0.148	1.17	1	06/04/2024 18:50	WG2297094
Thallium	U		0.460	2.34	1	06/04/2024 18:50	WG2297094
Vanadium	82.3		0.591	2.34	1	06/04/2024 18:50	WG2297094
Zinc	67.3		0.972	5.84	1	06/04/2024 18:50	WG2297094

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0138	0.0397	1	06/05/2024 23:20	WG2298869
PCB 1221	U		0.0138	0.0397	1	06/05/2024 23:20	WG2298869
PCB 1232	U		0.0138	0.0397	1	06/05/2024 23:20	WG2298869
PCB 1242	U		0.0138	0.0397	1	06/05/2024 23:20	WG2298869
PCB 1248	U		0.00862	0.0199	1	06/05/2024 23:20	WG2298869
PCB 1254	U		0.00862	0.0199	1	06/05/2024 23:20	WG2298869
PCB 1260	U		0.00862	0.0199	1	06/05/2024 23:20	WG2298869
(S) Decachlorobiphenyl	*110*			*10.0-135*		*06/05/2024 23:20*	WG2298869
(S) Tetrachloro-m-xylene	*82.5*			*10.0-139*		*06/05/2024 23:20*	WG2298869

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00629	0.0389	1	06/07/2024 14:46	WG2299143
Acenaphthylene	U		0.00548	0.0389	1	06/07/2024 14:46	WG2299143
Anthracene	U		0.00693	0.0389	1	06/07/2024 14:46	WG2299143
Benzidine	U		0.0731	1.95	1	06/07/2024 14:46	WG2299143
Benzo(a)anthracene	U		0.00686	0.0389	1	06/07/2024 14:46	WG2299143
Benzo(b)fluoranthene	U		0.00725	0.0389	1	06/07/2024 14:46	WG2299143
Benzo(k)fluoranthene	U		0.00691	0.0389	1	06/07/2024 14:46	WG2299143
Benzo(g,h,i)perylene	U		0.00711	0.0389	1	06/07/2024 14:46	WG2299143
Benzo(a)pyrene	U		0.00723	0.0389	1	06/07/2024 14:46	WG2299143
Bis(2-chlorethoxy)methane	U		0.0117	0.389	1	06/07/2024 14:46	WG2299143
Bis(2-chloroethyl)ether	U		0.0128	0.389	1	06/07/2024 14:46	WG2299143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0168	0.389	1	06/07/2024 14:46	WG2299143
4-Bromophenyl-phenylether	U		0.0137	0.389	1	06/07/2024 14:46	WG2299143
2-Chloronaphthalene	U		0.00683	0.0389	1	06/07/2024 14:46	WG2299143
4-Chlorophenyl-phenylether	U		0.0135	0.389	1	06/07/2024 14:46	WG2299143
Chrysene	U		0.00773	0.0389	1	06/07/2024 14:46	WG2299143
Dibenz(a,h)anthracene	U		0.0108	0.0389	1	06/07/2024 14:46	WG2299143
1,2-Dichlorobenzene	U		0.0115	0.389	1	06/07/2024 14:46	WG2299143
1,3-Dichlorobenzene	U		0.0118	0.389	1	06/07/2024 14:46	WG2299143
1,4-Dichlorobenzene	U		0.0116	0.389	1	06/07/2024 14:46	WG2299143
3,3-Dichlorobenzidine	U		0.0144	0.389	1	06/07/2024 14:46	WG2299143
2,4-Dinitrotoluene	U		0.0112	0.389	1	06/07/2024 14:46	WG2299143
2,6-Dinitrotoluene	U		0.0127	0.389	1	06/07/2024 14:46	WG2299143
Fluoranthene	U		0.00702	0.0389	1	06/07/2024 14:46	WG2299143
Fluorene	U		0.00633	0.0389	1	06/07/2024 14:46	WG2299143
Hexachlorobenzene	U		0.0138	0.389	1	06/07/2024 14:46	WG2299143
Hexachloro-1,3-butadiene	U		0.0131	0.389	1	06/07/2024 14:46	WG2299143
Hexachlorocyclopentadiene	U		0.0204	0.389	1	06/07/2024 14:46	WG2299143
Hexachloroethane	U		0.0153	0.389	1	06/07/2024 14:46	WG2299143
Indeno(1,2,3-cd)pyrene	U		0.0110	0.0389	1	06/07/2024 14:46	WG2299143
Isophorone	U		0.0119	0.389	1	06/07/2024 14:46	WG2299143
Naphthalene	U		0.00976	0.0389	1	06/07/2024 14:46	WG2299143
Nitrobenzene	U		0.0135	0.389	1	06/07/2024 14:46	WG2299143
n-Nitrosodimethylamine	U		0.0577	0.389	1	06/07/2024 14:46	WG2299143
n-Nitrosodiphenylamine	U		0.0294	0.389	1	06/07/2024 14:46	WG2299143
n-Nitrosodi-n-propylamine	U		0.0130	0.389	1	06/07/2024 14:46	WG2299143
Phenanthrene	U		0.00772	0.0389	1	06/07/2024 14:46	WG2299143
Benzylbutyl phthalate	U		0.0121	0.389	1	06/07/2024 14:46	WG2299143
Bis(2-ethylhexyl)phthalate	U		0.0493	0.389	1	06/07/2024 14:46	WG2299143
Di-n-butyl phthalate	U		0.0133	0.389	1	06/07/2024 14:46	WG2299143
Diethyl phthalate	U		0.0128	0.389	1	06/07/2024 14:46	WG2299143
Dimethyl phthalate	U		0.0825	0.389	1	06/07/2024 14:46	WG2299143
Di-n-octyl phthalate	U		0.0263	0.389	1	06/07/2024 14:46	WG2299143
Pyrene	U		0.00757	0.0389	1	06/07/2024 14:46	WG2299143
1,2,4-Trichlorobenzene	U		0.0121	0.389	1	06/07/2024 14:46	WG2299143
4-Chloro-3-methylphenol	U		0.0126	0.389	1	06/07/2024 14:46	WG2299143
2-Chlorophenol	U		0.0128	0.389	1	06/07/2024 14:46	WG2299143
2,4-Dichlorophenol	U		0.0113	0.389	1	06/07/2024 14:46	WG2299143
2,4-Dimethylphenol	U		0.0102	0.389	1	06/07/2024 14:46	WG2299143
4,6-Dinitro-2-methylphenol	U		0.0882	0.389	1	06/07/2024 14:46	WG2299143
2,4-Dinitrophenol	U		0.0910	0.389	1	06/07/2024 14:46	WG2299143
2-Nitrophenol	U		0.0139	0.389	1	06/07/2024 14:46	WG2299143
4-Nitrophenol	U		0.0121	0.389	1	06/07/2024 14:46	WG2299143
Pentachlorophenol	U		0.0105	0.389	1	06/07/2024 14:46	WG2299143
Phenol	U		0.0156	0.389	1	06/07/2024 14:46	WG2299143
2,4,6-Trichlorophenol	U		0.0125	0.389	1	06/07/2024 14:46	WG2299143
(S) 2-Fluorophenol	*58.9*			*12.0-120*		*06/07/2024 14:46*	WG2299143
(S) Phenol-d5	*53.0*			*10.0-120*		*06/07/2024 14:46*	WG2299143
(S) Nitrobenzene-d5	*51.9*			*10.0-122*		*06/07/2024 14:46*	WG2299143
(S) 2-Fluorobiphenyl	*59.9*			*15.0-120*		*06/07/2024 14:46*	WG2299143
(S) 2,4,6-Tribromophenol	*64.8*			*10.0-127*		*06/07/2024 14:46*	WG2299143
(S) p-Terphenyl-d14	*54.0*			*10.0-120*		*06/07/2024 14:46*	WG2299143

1 Cp 2 Tc 3 Ss 4 Cn 5 Ds 6 Sr 7 Qc 8 Gl 9 Al 10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	06/01/2024 15:31	WG2296642

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0206	0.0457	1	06/02/2024 21:48	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.00		0.621	2.28	1	06/05/2024 12:52	WG2297099
Arsenic	2.97		0.592	2.28	1	06/05/2024 12:52	WG2297099
Barium	37.8		0.0973	0.571	1	06/05/2024 12:52	WG2297099
Beryllium	0.0862	J	0.0360	0.228	1	06/05/2024 12:52	WG2297099
Cadmium	U		0.0538	0.571	1	06/05/2024 12:52	WG2297099
Chromium	175		0.152	1.14	1	06/05/2024 12:52	WG2297099
Cobalt	18.5		0.0926	1.14	1	06/05/2024 12:52	WG2297099
Copper	183		0.457	2.28	1	06/05/2024 12:52	WG2297099
Lead	34.2		0.238	0.571	1	06/05/2024 12:52	WG2297099
Molybdenum	113		0.124	0.571	1	06/05/2024 12:52	WG2297099
Nickel	320		0.151	2.28	1	06/05/2024 12:52	WG2297099
Selenium	U		0.873	2.28	1	06/05/2024 12:52	WG2297099
Silver	U		0.145	1.14	1	06/05/2024 12:52	WG2297099
Thallium	U		0.450	2.28	1	06/05/2024 12:52	WG2297099
Vanadium	107		0.578	2.28	1	06/05/2024 12:52	WG2297099
Zinc	12.9		0.950	5.71	1	06/05/2024 12:52	WG2297099

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0785	0.108	1.76	06/05/2024 07:20	WG2298650
Acrylonitrile	U		0.00777	0.0269	1.76	06/05/2024 07:20	WG2298650
Benzene	0.00372		0.00101	0.00215	1.76	06/05/2024 07:20	WG2298650
Bromobenzene	U		0.00193	0.0269	1.76	06/05/2024 07:20	WG2298650
Bromodichloromethane	U		0.00157	0.00538	1.76	06/05/2024 07:20	WG2298650
Bromoform	U		0.00252	0.0538	1.76	06/05/2024 07:20	WG2298650
Bromomethane	U		0.00424	0.0269	1.76	06/05/2024 07:20	WG2298650
n-Butylbenzene	0.0133	J	0.0113	0.0269	1.76	06/05/2024 07:20	WG2298650
sec-Butylbenzene	U		0.00620	0.0269	1.76	06/05/2024 07:20	WG2298650
tert-Butylbenzene	U		0.00419	0.0108	1.76	06/05/2024 07:20	WG2298650
Carbon tetrachloride	U		0.00193	0.0108	1.76	06/05/2024 07:20	WG2298650
Chlorobenzene	U		0.000452	0.00538	1.76	06/05/2024 07:20	WG2298650
Chlorodibromomethane	U		0.00132	0.00538	1.76	06/05/2024 07:20	WG2298650
Chloroethane	U		0.00366	0.0108	1.76	06/05/2024 07:20	WG2298650
Chloroform	U		0.00221	0.00538	1.76	06/05/2024 07:20	WG2298650
Chloromethane	U		0.00937	0.0269	1.76	06/05/2024 07:20	WG2298650
2-Chlorotoluene	U		0.00186	0.00538	1.76	06/05/2024 07:20	WG2298650
4-Chlorotoluene	U		0.000969	0.0108	1.76	06/05/2024 07:20	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00839	0.0538	1.76	06/05/2024 07:20	WG2298650
1,2-Dibromoethane	U		0.00139	0.00538	1.76	06/05/2024 07:20	WG2298650
Dibromomethane	U		0.00161	0.0108	1.76	06/05/2024 07:20	WG2298650
1,2-Dichlorobenzene	U		0.000915	0.0108	1.76	06/05/2024 07:20	WG2298650
1,3-Dichlorobenzene	U		0.00130	0.0108	1.76	06/05/2024 07:20	WG2298650
1,4-Dichlorobenzene	U		0.00150	0.0108	1.76	06/05/2024 07:20	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00346	0.0108	1.76	06/05/2024 07:20	WG2298650
1,1-Dichloroethane	U		0.00106	0.00538	1.76	06/05/2024 07:20	WG2298650
1,2-Dichloroethane	U		0.00139	0.00538	1.76	06/05/2024 07:20	WG2298650
1,1-Dichloroethene	U		0.00131	0.00538	1.76	06/05/2024 07:20	WG2298650
cis-1,2-Dichloroethene	U		0.00158	0.00538	1.76	06/05/2024 07:20	WG2298650
trans-1,2-Dichloroethene	U		0.00224	0.0108	1.76	06/05/2024 07:20	WG2298650
1,2-Dichloropropane	U		0.00306	0.0108	1.76	06/05/2024 07:20	WG2298650
1,1-Dichloropropene	U		0.00174	0.00538	1.76	06/05/2024 07:20	WG2298650
1,3-Dichloropropane	U		0.00108	0.0108	1.76	06/05/2024 07:20	WG2298650
cis-1,3-Dichloropropene	U		0.00163	0.00538	1.76	06/05/2024 07:20	WG2298650
trans-1,3-Dichloropropene	U		0.00246	0.0108	1.76	06/05/2024 07:20	WG2298650
2,2-Dichloropropane	U		0.00297	0.00538	1.76	06/05/2024 07:20	WG2298650
Di-isopropyl ether	U		0.000883	0.00215	1.76	06/05/2024 07:20	WG2298650
Ethylbenzene	0.00415	J	0.00159	0.00538	1.76	06/07/2024 00:10	WG2300243
Hexachloro-1,3-butadiene	U		0.0130	0.0538	1.76	06/05/2024 07:20	WG2298650
Isopropylbenzene	0.00377	J	0.000915	0.00538	1.76	06/05/2024 07:20	WG2298650
p-Isopropyltoluene	U		0.00549	0.0108	1.76	06/05/2024 07:20	WG2298650
2-Butanone (MEK)	U		0.137	0.215	1.76	06/05/2024 07:20	WG2298650
Methylene Chloride	U		0.0143	0.0538	1.76	06/05/2024 07:20	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00490	0.0538	1.76	06/05/2024 07:20	WG2298650
Methyl tert-butyl ether	U		0.000753	0.00215	1.76	06/05/2024 07:20	WG2298650
Naphthalene	0.0268	J	0.0105	0.0269	1.76	06/05/2024 07:20	WG2298650
n-Propylbenzene	0.0166		0.00204	0.0108	1.76	06/05/2024 07:20	WG2298650
Styrene	U		0.000493	0.0269	1.76	06/05/2024 07:20	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00204	0.00538	1.76	06/05/2024 07:20	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00149	0.00538	1.76	06/05/2024 07:20	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00163	0.00538	1.76	06/05/2024 07:20	WG2298650
Tetrachloroethene	0.0368		0.00193	0.00538	1.76	06/05/2024 07:20	WG2298650
Toluene	0.00678	J	0.00280	0.0108	1.76	06/05/2024 07:20	WG2298650
1,2,3-Trichlorobenzene	U		0.0158	0.0269	1.76	06/05/2024 07:20	WG2298650
1,2,4-Trichlorobenzene	U		0.00947	0.0269	1.76	06/05/2024 07:20	WG2298650
1,1,1-Trichloroethane	U		0.00198	0.00538	1.76	06/05/2024 07:20	WG2298650
1,1,2-Trichloroethane	U		0.00128	0.00538	1.76	06/05/2024 07:20	WG2298650
Trichloroethene	U		0.00126	0.00215	1.76	06/05/2024 07:20	WG2298650
Trichlorofluoromethane	U		0.00179	0.00538	1.76	06/05/2024 07:20	WG2298650
1,2,3-Trichloropropane	U		0.00349	0.0269	1.76	06/05/2024 07:20	WG2298650
1,2,4-Trimethylbenzene	0.00953	J	0.00340	0.0108	1.76	06/05/2024 07:20	WG2298650
1,2,3-Trimethylbenzene	0.00850	J	0.00340	0.0108	1.76	06/05/2024 07:20	WG2298650
1,3,5-Trimethylbenzene	U		0.00430	0.0108	1.76	06/05/2024 07:20	WG2298650
Vinyl chloride	U		0.00249	0.00538	1.76	06/05/2024 07:20	WG2298650
Xylenes, Total	0.0119	J	0.00190	0.0139	1.76	06/05/2024 07:20	WG2298650
(S) Toluene-d8	*109*			*75.0-131*		*06/05/2024 07:20*	WG2298650
(S) Toluene-d8	*111*			*75.0-131*		*06/07/2024 00:10*	WG2300243
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/05/2024 07:20*	WG2298650
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/07/2024 00:10*	WG2300243
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*06/05/2024 07:20*	WG2298650
(S) 1,2-Dichloroethane-d4	*85.9*			*70.0-130*		*06/07/2024 00:10*	WG2300243

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0135	0.0388	1	06/06/2024 00:08	WG2298869
PCB 1221	U		0.0135	0.0388	1	06/06/2024 00:08	WG2298869
PCB 1232	U		0.0135	0.0388	1	06/06/2024 00:08	WG2298869
PCB 1242	U		0.0135	0.0388	1	06/06/2024 00:08	WG2298869
PCB 1248	U		0.00843	0.0194	1	06/06/2024 00:08	WG2298869

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1254	U		0.00843	0.0194	1	06/06/2024 00:08	WG2298869
PCB 1260	U		0.00843	0.0194	1	06/06/2024 00:08	WG2298869
(S) Decachlorobiphenyl	*116*			*10.0-135*		*06/06/2024 00:08*	WG2298869
(S) Tetrachloro-m-xylene	*97.0*			*10.0-139*		*06/06/2024 00:08*	WG2298869

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0123	0.0761	2	06/07/2024 19:48	WG2299143
Acenaphthylene	U		0.0107	0.0761	2	06/07/2024 19:48	WG2299143
Anthracene	U		0.0136	0.0761	2	06/07/2024 19:48	WG2299143
Benzidine	U		0.143	3.81	2	06/07/2024 19:48	WG2299143
Benzo(a)anthracene	U		0.0134	0.0761	2	06/07/2024 19:48	WG2299143
Benzo(b)fluoranthene	U		0.0142	0.0761	2	06/07/2024 19:48	WG2299143
Benzo(k)fluoranthene	U		0.0135	0.0761	2	06/07/2024 19:48	WG2299143
Benzo(g,h,i)perylene	U		0.0139	0.0761	2	06/07/2024 19:48	WG2299143
Benzo(a)pyrene	U		0.0142	0.0761	2	06/07/2024 19:48	WG2299143
Bis(2-chlorethoxy)methane	U		0.0228	0.761	2	06/07/2024 19:48	WG2299143
Bis(2-chloroethyl)ether	U		0.0251	0.761	2	06/07/2024 19:48	WG2299143
2,2-Oxybis(1-Chloropropane)	U		0.0329	0.761	2	06/07/2024 19:48	WG2299143
4-Bromophenyl-phenylether	U		0.0267	0.761	2	06/07/2024 19:48	WG2299143
2-Chloronaphthalene	U		0.0134	0.0761	2	06/07/2024 19:48	WG2299143
4-Chlorophenyl-phenylether	U		0.0265	0.761	2	06/07/2024 19:48	WG2299143
Chrysene	U		0.0151	0.0761	2	06/07/2024 19:48	WG2299143
Dibenz(a,h)anthracene	U		0.0211	0.0761	2	06/07/2024 19:48	WG2299143
1,2-Dichlorobenzene	U		0.0225	0.761	2	06/07/2024 19:48	WG2299143
1,3-Dichlorobenzene	U		0.0231	0.761	2	06/07/2024 19:48	WG2299143
1,4-Dichlorobenzene	U		0.0226	0.761	2	06/07/2024 19:48	WG2299143
3,3-Dichlorobenzidine	U		0.0281	0.761	2	06/07/2024 19:48	WG2299143
2,4-Dinitrotoluene	U		0.0218	0.761	2	06/07/2024 19:48	WG2299143
2,6-Dinitrotoluene	U		0.0249	0.761	2	06/07/2024 19:48	WG2299143
Fluoranthene	U		0.0137	0.0761	2	06/07/2024 19:48	WG2299143
Fluorene	U		0.0123	0.0761	2	06/07/2024 19:48	WG2299143
Hexachlorobenzene	U		0.0270	0.761	2	06/07/2024 19:48	WG2299143
Hexachloro-1,3-butadiene	U		0.0256	0.761	2	06/07/2024 19:48	WG2299143
Hexachlorocyclopentadiene	U		0.0400	0.761	2	06/07/2024 19:48	WG2299143
Hexachloroethane	U		0.0299	0.761	2	06/07/2024 19:48	WG2299143
Indeno(1,2,3-cd)pyrene	U		0.0215	0.0761	2	06/07/2024 19:48	WG2299143
Isophorone	U		0.0233	0.761	2	06/07/2024 19:48	WG2299143
Naphthalene	U		0.0191	0.0761	2	06/07/2024 19:48	WG2299143
Nitrobenzene	U		0.0265	0.761	2	06/07/2024 19:48	WG2299143
n-Nitrosodimethylamine	U		0.113	0.761	2	06/07/2024 19:48	WG2299143
n-Nitrosodiphenylamine	U		0.0576	0.761	2	06/07/2024 19:48	WG2299143
n-Nitrosodi-n-propylamine	U		0.0254	0.761	2	06/07/2024 19:48	WG2299143
Phenanthrene	0.0185	J	0.0151	0.0761	2	06/07/2024 19:48	WG2299143
Benzylbutyl phthalate	U		0.0238	0.761	2	06/07/2024 19:48	WG2299143
Bis(2-ethylhexyl)phthalate	U		0.0964	0.761	2	06/07/2024 19:48	WG2299143
Di-n-butyl phthalate	U		0.0260	0.761	2	06/07/2024 19:48	WG2299143
Diethyl phthalate	U		0.0251	0.761	2	06/07/2024 19:48	WG2299143
Dimethyl phthalate	U		0.161	0.761	2	06/07/2024 19:48	WG2299143
Di-n-octyl phthalate	U		0.0514	0.761	2	06/07/2024 19:48	WG2299143
Pyrene	U		0.0148	0.0761	2	06/07/2024 19:48	WG2299143
1,2,4-Trichlorobenzene	U		0.0238	0.761	2	06/07/2024 19:48	WG2299143
4-Chloro-3-methylphenol	U		0.0247	0.761	2	06/07/2024 19:48	WG2299143
2-Chlorophenol	U		0.0251	0.761	2	06/07/2024 19:48	WG2299143
2,4-Dichlorophenol	U		0.0222	0.761	2	06/07/2024 19:48	WG2299143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0199	0.761	2	06/07/2024 19:48	WG2299143
4,6-Dinitro-2-methylphenol	U		0.172	0.761	2	06/07/2024 19:48	WG2299143
2,4-Dinitrophenol	U		0.178	0.761	2	06/07/2024 19:48	WG2299143
2-Nitrophenol	U		0.0272	0.761	2	06/07/2024 19:48	WG2299143
4-Nitrophenol	U		0.0238	0.761	2	06/07/2024 19:48	WG2299143
Pentachlorophenol	U		0.0204	0.761	2	06/07/2024 19:48	WG2299143
Phenol	U		0.0306	0.761	2	06/07/2024 19:48	WG2299143
2,4,6-Trichlorophenol	U		0.0244	0.761	2	06/07/2024 19:48	WG2299143
(S) 2-Fluorophenol	*74.6*			*12.0-120*		*06/07/2024 19:48*	WG2299143
(S) Phenol-d5	*70.1*			*10.0-120*		*06/07/2024 19:48*	WG2299143
(S) Nitrobenzene-d5	*61.9*			*10.0-122*		*06/07/2024 19:48*	WG2299143
(S) 2-Fluorobiphenyl	*76.5*			*15.0-120*		*06/07/2024 19:48*	WG2299143
(S) 2,4,6-Tribromophenol	*87.1*			*10.0-127*		*06/07/2024 19:48*	WG2299143
(S) p-Terphenyl-d14	*74.6*			*10.0-120*		*06/07/2024 19:48*	WG2299143

Sample Narrative:

L1741491-02 WG2299143: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	06/01/2024 15:31	WG2296642

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0192	0.0428	1	06/02/2024 21:51	WG2296691

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.54		0.582	2.14	1	06/05/2024 12:57	WG2297099
Arsenic	0.987	J	0.554	2.14	1	06/05/2024 12:57	WG2297099
Barium	70.5		0.0911	0.534	1	06/05/2024 12:57	WG2297099
Beryllium	0.208	J	0.0337	0.214	1	06/05/2024 12:57	WG2297099
Cadmium	U		0.0503	0.534	1	06/05/2024 12:57	WG2297099
Chromium	269		0.142	1.07	1	06/05/2024 12:57	WG2297099
Cobalt	6.67		0.0867	1.07	1	06/05/2024 12:57	WG2297099
Copper	104		0.428	2.14	1	06/05/2024 12:57	WG2297099
Lead	23.2		0.222	0.534	1	06/05/2024 12:57	WG2297099
Molybdenum	17.3		0.117	0.534	1	06/05/2024 12:57	WG2297099
Nickel	71.4		0.141	2.14	1	06/05/2024 12:57	WG2297099
Selenium	U		0.817	2.14	1	06/05/2024 12:57	WG2297099
Silver	U		0.136	1.07	1	06/05/2024 12:57	WG2297099
Thallium	1.04	J	0.421	2.14	1	06/05/2024 12:57	WG2297099
Vanadium	129		0.541	2.14	1	06/05/2024 12:57	WG2297099
Zinc	12.9		0.889	5.34	1	06/05/2024 12:57	WG2297099

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.50	B J	1.19	3.59	32	06/05/2024 04:43	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/05/2024 04:43*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0595	0.0815	1.46	06/05/2024 07:39	WG2298650
Acrylonitrile	U		0.00588	0.0204	1.46	06/05/2024 07:39	WG2298650
Benzene	0.00200		0.000761	0.00163	1.46	06/05/2024 07:39	WG2298650
Bromobenzene	U		0.00146	0.0204	1.46	06/05/2024 07:39	WG2298650
Bromodichloromethane	U		0.00118	0.00407	1.46	06/05/2024 07:39	WG2298650
Bromoform	U		0.00191	0.0407	1.46	06/05/2024 07:39	WG2298650
Bromomethane	U		0.00321	0.0204	1.46	06/05/2024 07:39	WG2298650
n-Butylbenzene	U		0.00855	0.0204	1.46	06/05/2024 07:39	WG2298650
sec-Butylbenzene	U		0.00469	0.0204	1.46	06/05/2024 07:39	WG2298650
tert-Butylbenzene	U		0.00318	0.00815	1.46	06/05/2024 07:39	WG2298650
Carbon tetrachloride	U		0.00146	0.00815	1.46	06/05/2024 07:39	WG2298650
Chlorobenzene	U		0.000343	0.00407	1.46	06/05/2024 07:39	WG2298650
Chlorodibromomethane	U		0.000998	0.00407	1.46	06/05/2024 07:39	WG2298650
Chloroethane	U		0.00277	0.00815	1.46	06/05/2024 07:39	WG2298650
Chloroform	U		0.00167	0.00407	1.46	06/05/2024 07:39	WG2298650
Chloromethane	U		0.00709	0.0204	1.46	06/05/2024 07:39	WG2298650
2-Chlorotoluene	U		0.00141	0.00407	1.46	06/05/2024 07:39	WG2298650
4-Chlorotoluene	U		0.000733	0.00815	1.46	06/05/2024 07:39	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00635	0.0407	1.46	06/05/2024 07:39	WG2298650
1,2-Dibromoethane	U		0.00106	0.00407	1.46	06/05/2024 07:39	WG2298650
Dibromomethane	U		0.00123	0.00815	1.46	06/05/2024 07:39	WG2298650
1,2-Dichlorobenzene	U		0.000692	0.00815	1.46	06/05/2024 07:39	WG2298650
1,3-Dichlorobenzene	U		0.000978	0.00815	1.46	06/05/2024 07:39	WG2298650
1,4-Dichlorobenzene	U		0.00114	0.00815	1.46	06/05/2024 07:39	WG2298650
Dichlorodifluoromethane	U		0.00262	0.00815	1.46	06/05/2024 07:39	WG2298650
1,1-Dichloroethane	U		0.000800	0.00407	1.46	06/05/2024 07:39	WG2298650
1,2-Dichloroethane	U		0.00106	0.00407	1.46	06/05/2024 07:39	WG2298650
1,1-Dichloroethene	U		0.000988	0.00407	1.46	06/05/2024 07:39	WG2298650
cis-1,2-Dichloroethene	U		0.00119	0.00407	1.46	06/05/2024 07:39	WG2298650
trans-1,2-Dichloroethene	U		0.00170	0.00815	1.46	06/05/2024 07:39	WG2298650
1,2-Dichloropropane	U		0.00231	0.00815	1.46	06/05/2024 07:39	WG2298650
1,1-Dichloropropene	U		0.00132	0.00407	1.46	06/05/2024 07:39	WG2298650
1,3-Dichloropropane	U		0.000816	0.00815	1.46	06/05/2024 07:39	WG2298650
cis-1,3-Dichloropropene	U		0.00124	0.00407	1.46	06/05/2024 07:39	WG2298650
trans-1,3-Dichloropropene	U		0.00185	0.00815	1.46	06/05/2024 07:39	WG2298650
2,2-Dichloropropane	U		0.00224	0.00407	1.46	06/05/2024 07:39	WG2298650
Di-isopropyl ether	U		0.000669	0.00163	1.46	06/05/2024 07:39	WG2298650
Ethylbenzene	0.00269	J	0.00121	0.00407	1.46	06/07/2024 00:28	WG2300243
Hexachloro-1,3-butadiene	U		0.00978	0.0407	1.46	06/05/2024 07:39	WG2298650
Isopropylbenzene	0.00102	J	0.000692	0.00407	1.46	06/05/2024 07:39	WG2298650
p-Isopropyltoluene	U		0.00415	0.00815	1.46	06/05/2024 07:39	WG2298650
2-Butanone (MEK)	U		0.103	0.163	1.46	06/05/2024 07:39	WG2298650
Methylene Chloride	U		0.0108	0.0407	1.46	06/05/2024 07:39	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00372	0.0407	1.46	06/05/2024 07:39	WG2298650
Methyl tert-butyl ether	U		0.000570	0.00163	1.46	06/05/2024 07:39	WG2298650
Naphthalene	U		0.00795	0.0204	1.46	06/05/2024 07:39	WG2298650
n-Propylbenzene	0.00281	J	0.00155	0.00815	1.46	06/05/2024 07:39	WG2298650
Styrene	U		0.000373	0.0204	1.46	06/05/2024 07:39	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00154	0.00407	1.46	06/05/2024 07:39	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00113	0.00407	1.46	06/05/2024 07:39	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00407	1.46	06/05/2024 07:39	WG2298650
Tetrachloroethene	0.0204		0.00146	0.00407	1.46	06/05/2024 07:39	WG2298650
Toluene	0.00583	J	0.00212	0.00815	1.46	06/05/2024 07:39	WG2298650
1,2,3-Trichlorobenzene	U		0.0119	0.0204	1.46	06/05/2024 07:39	WG2298650
1,2,4-Trichlorobenzene	U		0.00717	0.0204	1.46	06/05/2024 07:39	WG2298650
1,1,1-Trichloroethane	U		0.00151	0.00407	1.46	06/05/2024 07:39	WG2298650
1,1,2-Trichloroethane	U		0.000973	0.00407	1.46	06/05/2024 07:39	WG2298650
Trichloroethene	U		0.000952	0.00163	1.46	06/05/2024 07:39	WG2298650
Trichlorofluoromethane	U		0.00135	0.00407	1.46	06/05/2024 07:39	WG2298650
1,2,3-Trichloropropane	U		0.00265	0.0204	1.46	06/05/2024 07:39	WG2298650
1,2,4-Trimethylbenzene	0.00721	J	0.00258	0.00815	1.46	06/05/2024 07:39	WG2298650
1,2,3-Trimethylbenzene	0.00693	J	0.00258	0.00815	1.46	06/05/2024 07:39	WG2298650
1,3,5-Trimethylbenzene	0.00509	J	0.00326	0.00815	1.46	06/05/2024 07:39	WG2298650
Vinyl chloride	U		0.00189	0.00407	1.46	06/05/2024 07:39	WG2298650
Xylenes, Total	0.0200		0.00143	0.0106	1.46	06/05/2024 07:39	WG2298650
(S) Toluene-d8	*109*			*75.0-131*		*06/05/2024 07:39*	WG2298650
(S) Toluene-d8	*107*			*75.0-131*		*06/07/2024 00:28*	WG2300243
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/05/2024 07:39*	WG2298650
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/07/2024 00:28*	WG2300243
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*06/05/2024 07:39*	WG2298650
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*06/07/2024 00:28*	WG2300243

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		7.84	42.8	10	06/06/2024 21:41	WG2299541
C22-C32 Hydrocarbons	73.4		14.2	42.8	10	06/06/2024 21:41	WG2299541
C32-C40 Hydrocarbons	94.9		14.2	42.8	10	06/06/2024 21:41	WG2299541
(S) o-Terphenyl	*68.9*			*18.0-148*		*06/06/2024 21:41*	WG2299541

Sample Narrative:

L1741491-03 WG2299541: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0115	0.0712	2	06/07/2024 20:09	WG2299143
Acenaphthylene	U		0.0100	0.0712	2	06/07/2024 20:09	WG2299143
Anthracene	U		0.0127	0.0712	2	06/07/2024 20:09	WG2299143
Benzidine	U		0.134	3.57	2	06/07/2024 20:09	WG2299143
Benzo(a)anthracene	0.0139	J	0.0125	0.0712	2	06/07/2024 20:09	WG2299143
Benzo(b)fluoranthene	0.0397	J	0.0133	0.0712	2	06/07/2024 20:09	WG2299143
Benzo(k)fluoranthene	0.0140	J	0.0126	0.0712	2	06/07/2024 20:09	WG2299143
Benzo(g,h,i)perylene	0.0171	J	0.0130	0.0712	2	06/07/2024 20:09	WG2299143
Benzo(a)pyrene	0.0169	J	0.0133	0.0712	2	06/07/2024 20:09	WG2299143
Bis(2-chlorethoxy)methane	U		0.0214	0.712	2	06/07/2024 20:09	WG2299143
Bis(2-chloroethyl)ether	U		0.0235	0.712	2	06/07/2024 20:09	WG2299143
2,2-Oxybis(1-Chloropropane)	U		0.0308	0.712	2	06/07/2024 20:09	WG2299143
4-Bromophenyl-phenylether	U		0.0250	0.712	2	06/07/2024 20:09	WG2299143
2-Chloronaphthalene	U		0.0125	0.0712	2	06/07/2024 20:09	WG2299143
4-Chlorophenyl-phenylether	U		0.0248	0.712	2	06/07/2024 20:09	WG2299143
Chrysene	0.0292	J	0.0141	0.0712	2	06/07/2024 20:09	WG2299143
Dibenz(a,h)anthracene	U		0.0198	0.0712	2	06/07/2024 20:09	WG2299143
1,2-Dichlorobenzene	U		0.0211	0.712	2	06/07/2024 20:09	WG2299143
1,3-Dichlorobenzene	U		0.0216	0.712	2	06/07/2024 20:09	WG2299143
1,4-Dichlorobenzene	U		0.0212	0.712	2	06/07/2024 20:09	WG2299143
3,3-Dichlorobenzidine	U		0.0263	0.712	2	06/07/2024 20:09	WG2299143
2,4-Dinitrotoluene	U		0.0204	0.712	2	06/07/2024 20:09	WG2299143
2,6-Dinitrotoluene	U		0.0233	0.712	2	06/07/2024 20:09	WG2299143
Fluoranthene	0.0143	J	0.0128	0.0712	2	06/07/2024 20:09	WG2299143
Fluorene	U		0.0115	0.0712	2	06/07/2024 20:09	WG2299143
Hexachlorobenzene	U		0.0252	0.712	2	06/07/2024 20:09	WG2299143
Hexachloro-1,3-butadiene	U		0.0239	0.712	2	06/07/2024 20:09	WG2299143
Hexachlorocyclopentadiene	U		0.0374	0.712	2	06/07/2024 20:09	WG2299143
Hexachloroethane	U		0.0280	0.712	2	06/07/2024 20:09	WG2299143
Indeno(1,2,3-cd)pyrene	U		0.0201	0.0712	2	06/07/2024 20:09	WG2299143
Isophorone	U		0.0218	0.712	2	06/07/2024 20:09	WG2299143
Naphthalene	U		0.0179	0.0712	2	06/07/2024 20:09	WG2299143
Nitrobenzene	U		0.0248	0.712	2	06/07/2024 20:09	WG2299143
n-Nitrosodimethylamine	U		0.106	0.712	2	06/07/2024 20:09	WG2299143
n-Nitrosodiphenylamine	U		0.0539	0.712	2	06/07/2024 20:09	WG2299143
n-Nitrosodi-n-propylamine	U		0.0237	0.712	2	06/07/2024 20:09	WG2299143
Phenanthrene	U		0.0141	0.0712	2	06/07/2024 20:09	WG2299143
Benzylbutyl phthalate	U		0.0222	0.712	2	06/07/2024 20:09	WG2299143
Bis(2-ethylhexyl)phthalate	U		0.0902	0.712	2	06/07/2024 20:09	WG2299143
Di-n-butyl phthalate	U		0.0244	0.712	2	06/07/2024 20:09	WG2299143
Diethyl phthalate	U		0.0235	0.712	2	06/07/2024 20:09	WG2299143
Dimethyl phthalate	U		0.151	0.712	2	06/07/2024 20:09	WG2299143
Di-n-octyl phthalate	U		0.0481	0.712	2	06/07/2024 20:09	WG2299143
Pyrene	0.0175	J	0.0139	0.0712	2	06/07/2024 20:09	WG2299143
1,2,4-Trichlorobenzene	U		0.0222	0.712	2	06/07/2024 20:09	WG2299143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0231	0.712	2	06/07/2024 20:09	WG2299143
2-Chlorophenol	U		0.0235	0.712	2	06/07/2024 20:09	WG2299143
2,4-Dichlorophenol	U		0.0207	0.712	2	06/07/2024 20:09	WG2299143
2,4-Dimethylphenol	U		0.0186	0.712	2	06/07/2024 20:09	WG2299143
4,6-Dinitro-2-methylphenol	U		0.161	0.712	2	06/07/2024 20:09	WG2299143
2,4-Dinitrophenol	U		0.167	0.712	2	06/07/2024 20:09	WG2299143
2-Nitrophenol	U		0.0254	0.712	2	06/07/2024 20:09	WG2299143
4-Nitrophenol	U		0.0222	0.712	2	06/07/2024 20:09	WG2299143
Pentachlorophenol	U		0.0191	0.712	2	06/07/2024 20:09	WG2299143
Phenol	U		0.0286	0.712	2	06/07/2024 20:09	WG2299143
2,4,6-Trichlorophenol	U		0.0229	0.712	2	06/07/2024 20:09	WG2299143
(S) 2-Fluorophenol	*73.2*			*12.0-120*		*06/07/2024 20:09*	WG2299143
(S) Phenol-d5	*69.9*			*10.0-120*		*06/07/2024 20:09*	WG2299143
(S) Nitrobenzene-d5	*61.6*			*10.0-122*		*06/07/2024 20:09*	WG2299143
(S) 2-Fluorobiphenyl	*75.9*			*15.0-120*		*06/07/2024 20:09*	WG2299143
(S) 2,4,6-Tribromophenol	*92.7*			*10.0-127*		*06/07/2024 20:09*	WG2299143
(S) p-Terphenyl-d14	*86.1*			*10.0-120*		*06/07/2024 20:09*	WG2299143

Sample Narrative:

L1741491-03 WG2299143: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	06/01/2024 15:48	WG2296643

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.45	B	1.43	4.31	25.8	06/05/2024 05:06	WG2298546
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/05/2024 05:06*	WG2298546

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0637	0.0874	1.05	06/05/2024 07:58	WG2298650
Acrylonitrile	U		0.00631	0.0218	1.05	06/05/2024 07:58	WG2298650
Benzene	U		0.000816	0.00175	1.05	06/05/2024 07:58	WG2298650
Bromobenzene	U		0.00157	0.0218	1.05	06/05/2024 07:58	WG2298650
Bromodichloromethane	U		0.00127	0.00438	1.05	06/05/2024 07:58	WG2298650
Bromoform	U		0.00205	0.0438	1.05	06/05/2024 07:58	WG2298650
Bromomethane	U		0.00345	0.0218	1.05	06/05/2024 07:58	WG2298650
n-Butylbenzene	U		0.00917	0.0218	1.05	06/05/2024 07:58	WG2298650
sec-Butylbenzene	U		0.00503	0.0218	1.05	06/05/2024 07:58	WG2298650
tert-Butylbenzene	U		0.00341	0.00874	1.05	06/05/2024 07:58	WG2298650
Carbon tetrachloride	U		0.00157	0.00874	1.05	06/05/2024 07:58	WG2298650
Chlorobenzene	U		0.000368	0.00438	1.05	06/05/2024 07:58	WG2298650
Chlorodibromomethane	U		0.00107	0.00438	1.05	06/05/2024 07:58	WG2298650
Chloroethane	U		0.00298	0.00874	1.05	06/05/2024 07:58	WG2298650
Chloroform	U		0.00180	0.00438	1.05	06/05/2024 07:58	WG2298650
Chloromethane	U		0.00761	0.0218	1.05	06/05/2024 07:58	WG2298650
2-Chlorotoluene	U		0.00151	0.00438	1.05	06/05/2024 07:58	WG2298650
4-Chlorotoluene	U		0.000787	0.00874	1.05	06/05/2024 07:58	WG2298650
1,2-Dibromo-3-Chloropropane	U		0.00681	0.0438	1.05	06/05/2024 07:58	WG2298650
1,2-Dibromoethane	U		0.00113	0.00438	1.05	06/05/2024 07:58	WG2298650
Dibromomethane	U		0.00131	0.00874	1.05	06/05/2024 07:58	WG2298650
1,2-Dichlorobenzene	U		0.000742	0.00874	1.05	06/05/2024 07:58	WG2298650
1,3-Dichlorobenzene	U		0.00105	0.00874	1.05	06/05/2024 07:58	WG2298650
1,4-Dichlorobenzene	U		0.00122	0.00874	1.05	06/05/2024 07:58	WG2298650
Dichlorodifluoromethane	U		0.00281	0.00874	1.05	06/05/2024 07:58	WG2298650
1,1-Dichloroethane	U		0.000859	0.00438	1.05	06/05/2024 07:58	WG2298650
1,2-Dichloroethane	U		0.00113	0.00438	1.05	06/05/2024 07:58	WG2298650
1,1-Dichloroethene	U		0.00106	0.00438	1.05	06/05/2024 07:58	WG2298650
cis-1,2-Dichloroethene	U		0.00128	0.00438	1.05	06/05/2024 07:58	WG2298650
trans-1,2-Dichloroethene	U		0.00181	0.00874	1.05	06/05/2024 07:58	WG2298650
1,2-Dichloropropane	U		0.00248	0.00874	1.05	06/05/2024 07:58	WG2298650
1,1-Dichloropropene	U		0.00141	0.00438	1.05	06/05/2024 07:58	WG2298650
1,3-Dichloropropane	U		0.000876	0.00874	1.05	06/05/2024 07:58	WG2298650
cis-1,3-Dichloropropene	U		0.00132	0.00438	1.05	06/05/2024 07:58	WG2298650
trans-1,3-Dichloropropene	U		0.00200	0.00874	1.05	06/05/2024 07:58	WG2298650
2,2-Dichloropropane	U		0.00241	0.00438	1.05	06/05/2024 07:58	WG2298650
Di-isopropyl ether	U		0.000717	0.00175	1.05	06/05/2024 07:58	WG2298650
Ethylbenzene	0.00157	J	0.00129	0.00438	1.05	06/07/2024 00:47	WG2300243
Hexachloro-1,3-butadiene	U		0.0105	0.0438	1.05	06/05/2024 07:58	WG2298650
Isopropylbenzene	U		0.000742	0.00438	1.05	06/05/2024 07:58	WG2298650
p-Isopropyltoluene	U		0.00446	0.00874	1.05	06/05/2024 07:58	WG2298650
2-Butanone (MEK)	U		0.111	0.175	1.05	06/05/2024 07:58	WG2298650
Methylene Chloride	U		0.0116	0.0438	1.05	06/05/2024 07:58	WG2298650
4-Methyl-2-pentanone (MIBK)	U		0.00398	0.0438	1.05	06/05/2024 07:58	WG2298650

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000613	0.00175	1.05	06/05/2024 07:58	WG2298650
Naphthalene	U		0.00852	0.0218	1.05	06/05/2024 07:58	WG2298650
n-Propylbenzene	0.00315	J	0.00166	0.00874	1.05	06/05/2024 07:58	WG2298650
Styrene	U		0.000399	0.0218	1.05	06/05/2024 07:58	WG2298650
1,1,1,2-Tetrachloroethane	U		0.00166	0.00438	1.05	06/05/2024 07:58	WG2298650
1,1,2,2-Tetrachloroethane	U		0.00122	0.00438	1.05	06/05/2024 07:58	WG2298650
1,1,2-Trichlorotrifluoroethane	U		0.00132	0.00438	1.05	06/05/2024 07:58	WG2298650
Tetrachloroethene	0.0388		0.00157	0.00438	1.05	06/05/2024 07:58	WG2298650
Toluene	U		0.00226	0.00874	1.05	06/05/2024 07:58	WG2298650
1,2,3-Trichlorobenzene	U		0.0128	0.0218	1.05	06/05/2024 07:58	WG2298650
1,2,4-Trichlorobenzene	U		0.00769	0.0218	1.05	06/05/2024 07:58	WG2298650
1,1,1-Trichloroethane	U		0.00161	0.00438	1.05	06/05/2024 07:58	WG2298650
1,1,2-Trichloroethane	U		0.00104	0.00438	1.05	06/05/2024 07:58	WG2298650
Trichloroethene	U		0.00102	0.00175	1.05	06/05/2024 07:58	WG2298650
Trichlorofluoromethane	U		0.00144	0.00438	1.05	06/05/2024 07:58	WG2298650
1,2,3-Trichloropropane	U		0.00283	0.0218	1.05	06/05/2024 07:58	WG2298650
1,2,4-Trimethylbenzene	0.00624	J	0.00276	0.00874	1.05	06/05/2024 07:58	WG2298650
1,2,3-Trimethylbenzene	0.00799	J	0.00276	0.00874	1.05	06/05/2024 07:58	WG2298650
1,3,5-Trimethylbenzene	0.00446	J	0.00350	0.00874	1.05	06/05/2024 07:58	WG2298650
Vinyl chloride	U		0.00203	0.00438	1.05	06/05/2024 07:58	WG2298650
Xylenes, Total	0.00699	J	0.00154	0.0114	1.05	06/05/2024 07:58	WG2298650
(S) Toluene-d8	*108*			*75.0-131*		*06/05/2024 07:58*	WG2298650
(S) Toluene-d8	*110*			*75.0-131*		*06/07/2024 00:47*	WG2300243
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/05/2024 07:58*	WG2298650
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/07/2024 00:47*	WG2300243
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*		*06/05/2024 07:58*	WG2298650
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*06/07/2024 00:47*	WG2300243

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.84	J	0.982	5.36	1	06/06/2024 19:36	WG2299541
C22-C32 Hydrocarbons	3.34	J	1.78	5.36	1	06/06/2024 19:36	WG2299541
C32-C40 Hydrocarbons	U		1.78	5.36	1	06/06/2024 19:36	WG2299541
(S) o-Terphenyl	*60.0*			*18.0-148*		*06/06/2024 19:36*	WG2299541

Method Blank (MB)

(MB) R4076507-1 06/01/24 15:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1741446-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1741446-32 06/01/24 15:31 • (DUP) R4076507-3 06/01/24 15:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	59.2	60.8	1	2.80		10

Laboratory Control Sample (LCS)

(LCS) R4076507-2 06/01/24 15:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076514-1 06/01/24 15:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1741491-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1741491-05 06/01/24 15:48 • (DUP) R4076514-3 06/01/24 15:48

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	74.6	74.3	1	0.447		10

Laboratory Control Sample (LCS)

(LCS) R4076514-2 06/01/24 15:48

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076361-1 06/02/24 21:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076361-2 06/02/24 21:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.463	92.5	80.0-120	

L1741265-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741265-18 06/02/24 21:07 • (MS) R4076361-4 06/02/24 21:19 • (MSD) R4076361-5 06/02/24 21:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	0.0773	0.495	0.496	83.5	83.6	1	75.0-125			0.161	20

Method Blank (MB)

(MB) R4077222-1 06/04/24 18:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077222-2 06/04/24 18:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	93.9	93.9	80.0-120	
Arsenic	100	98.7	98.7	80.0-120	
Barium	100	97.6	97.6	80.0-120	
Beryllium	100	95.7	95.7	80.0-120	
Cadmium	100	92.1	92.1	80.0-120	
Chromium	100	98.2	98.2	80.0-120	
Cobalt	100	94.7	94.7	80.0-120	
Copper	100	96.2	96.2	80.0-120	
Lead	100	95.1	95.1	80.0-120	
Molybdenum	100	98.1	98.1	80.0-120	
Nickel	100	93.1	93.1	80.0-120	
Selenium	100	93.8	93.8	80.0-120	
Silver	20.0	19.7	98.3	80.0-120	
Thallium	100	99.8	99.8	80.0-120	
Vanadium	100	94.9	94.9	80.0-120	
Zinc	100	95.9	95.9	80.0-120	

L1741618-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741618-03 06/04/24 18:31 • (MS) R4077222-5 06/04/24 18:36 • (MSD) R4077222-6 06/04/24 18:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	107	U	84.4	84.1	78.8	78.5	1	75.0-125			0.339	20
Arsenic	107	4.34	103	101	92.1	90.0	1	75.0-125			2.17	20
Barium	107	29.6	129	129	92.5	92.9	1	75.0-125			0.338	20
Beryllium	107	0.193	93.0	92.6	86.6	86.2	1	75.0-125			0.442	20
Cadmium	107	0.166	90.7	90.5	84.5	84.3	1	75.0-125			0.251	20
Chromium	107	4.74	101	101	90.3	89.8	1	75.0-125			0.514	20
Cobalt	107	2.41	97.4	94.5	88.7	86.0	1	75.0-125			2.96	20
Copper	107	6.24	99.6	101	87.2	88.5	1	75.0-125			1.40	20
Lead	107	24.7	118	136	87.1	104	1	75.0-125			14.4	20
Molybdenum	107	0.868	94.0	94.6	87.0	87.5	1	75.0-125			0.629	20
Nickel	107	5.15	99.4	98.6	88.0	87.2	1	75.0-125			0.893	20
Selenium	107	U	92.3	92.0	86.2	85.8	1	75.0-125			0.366	20
Silver	21.4	U	19.9	19.8	93.0	92.4	1	75.0-125			0.633	20
Thallium	107	U	96.2	96.9	89.8	90.5	1	75.0-125			0.747	20
Vanadium	107	6.25	101	98.1	88.4	85.7	1	75.0-125			2.90	20
Zinc	107	23.7	133	120	102	89.7	1	75.0-125			10.1	20

Method Blank (MB)

(MB) R4077592-1 06/05/24 12:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4077592-2 06/05/24 12:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	91.1	91.1	80.0-120	
Arsenic	100	91.8	91.8	80.0-120	
Barium	100	95.9	95.9	80.0-120	
Beryllium	100	91.4	91.4	80.0-120	
Cadmium	100	91.9	91.9	80.0-120	
Chromium	100	95.6	95.6	80.0-120	
Cobalt	100	89.3	89.3	80.0-120	
Copper	100	95.0	95.0	80.0-120	
Lead	100	91.3	91.3	80.0-120	
Molybdenum	100	93.9	93.9	80.0-120	
Nickel	100	90.2	90.2	80.0-120	
Selenium	100	90.2	90.2	80.0-120	
Silver	20.0	18.1	90.4	80.0-120	
Thallium	100	94.4	94.4	80.0-120	
Vanadium	100	91.1	91.1	80.0-120	
Zinc	100	93.6	93.6	80.0-120	

L1741468-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741468-14 06/05/24 12:40 • (MS) R4077592-5 06/05/24 12:45 • (MSD) R4077592-6 06/05/24 12:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	0.886	66.8	67.3	65.9	66.4	1	75.0-125	J6	J6	0.698	20
Arsenic	100	1.29	79.8	82.4	78.6	81.2	1	75.0-125			3.20	20
Barium	100	45.0	128	122	82.7	76.6	1	75.0-125			4.90	20
Beryllium	100	0.606	80.3	86.5	79.7	85.9	1	75.0-125			7.47	20
Cadmium	100	0.107	78.1	78.7	78.0	78.6	1	75.0-125			0.724	20
Chromium	100	4.47	86.1	89.2	81.6	84.8	1	75.0-125			3.62	20
Cobalt	100	3.49	89.8	92.5	86.3	89.0	1	75.0-125			2.97	20
Copper	100	7.42	93.5	101	86.0	94.0	1	75.0-125			8.16	20
Lead	100	9.99	93.2	93.7	83.2	83.7	1	75.0-125			0.514	20
Molybdenum	100	0.191	68.5	73.1	68.4	72.9	1	75.0-125	J6	J6	6.39	20
Nickel	100	6.39	87.4	86.0	81.0	79.6	1	75.0-125			1.66	20
Selenium	100	U	79.7	81.6	79.7	81.6	1	75.0-125			2.45	20
Silver	20.0	U	15.9	16.8	79.4	84.0	1	75.0-125			5.57	20
Thallium	100	U	84.8	86.4	84.8	86.4	1	75.0-125			1.84	20
Vanadium	100	10.5	87.4	93.5	76.9	83.0	1	75.0-125			6.72	20
Zinc	100	18.3	93.4	100	75.1	81.7	1	75.0-125			6.77	20

Method Blank (MB)

(MB) R4078024-2 06/05/24 00:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.992	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078024-1 06/04/24 22:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	6.00	120	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*116*	*77.0-120*	

L1741491-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741491-05 06/05/24 05:06 • (MS) R4078024-3 06/05/24 08:33 • (MSD) R4078024-4 06/05/24 08:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	216	5.45	232	227	105	103	25.8	10.0-141			2.18	29
(S) a,a,a-Trifluorotoluene(FID)					*116*	*115*		*77.0-120*				

Method Blank (MB)

(MB) R4078242-2 06/05/24 04:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500

Method Blank (MB)

(MB) R4078242-2 06/05/24 04:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.773	124	10.0-160	
Acrylonitrile	0.625	0.903	144	45.0-153	
Benzene	0.125	0.107	85.6	70.0-123	
Bromobenzene	0.125	0.111	88.8	73.0-121	
Bromodichloromethane	0.125	0.118	94.4	73.0-121	
Bromoform	0.125	0.121	96.8	64.0-132	

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromomethane	0.125	0.106	84.8	56.0-147	
n-Butylbenzene	0.125	0.107	85.6	68.0-135	
sec-Butylbenzene	0.125	0.123	98.4	74.0-130	
tert-Butylbenzene	0.125	0.122	97.6	75.0-127	
Carbon tetrachloride	0.125	0.126	101	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.119	95.2	74.0-127	
Chloroethane	0.125	0.114	91.2	61.0-134	
Chloroform	0.125	0.110	88.0	72.0-123	
Chloromethane	0.125	0.0993	79.4	51.0-138	
2-Chlorotoluene	0.125	0.128	102	75.0-124	
4-Chlorotoluene	0.125	0.119	95.2	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.139	111	59.0-130	
1,2-Dibromoethane	0.125	0.126	101	74.0-128	
Dibromomethane	0.125	0.110	88.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.120	96.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.117	93.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.118	94.4	77.0-121	
Dichlorodifluoromethane	0.125	0.114	91.2	43.0-156	
1,1-Dichloroethane	0.125	0.119	95.2	70.0-127	
1,2-Dichloroethane	0.125	0.105	84.0	65.0-131	
1,1-Dichloroethene	0.125	0.115	92.0	65.0-131	
cis-1,2-Dichloroethene	0.125	0.116	92.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.112	89.6	71.0-125	
1,2-Dichloropropane	0.125	0.111	88.8	74.0-125	
1,1-Dichloropropene	0.125	0.119	95.2	73.0-125	
1,3-Dichloropropane	0.125	0.120	96.0	80.0-125	
cis-1,3-Dichloropropene	0.125	0.121	96.8	76.0-127	
trans-1,3-Dichloropropene	0.125	0.125	100	73.0-127	
2,2-Dichloropropane	0.125	0.131	105	59.0-135	
Di-isopropyl ether	0.125	0.116	92.8	60.0-136	
Hexachloro-1,3-butadiene	0.125	0.108	86.4	57.0-150	
Isopropylbenzene	0.125	0.122	97.6	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.4	72.0-133	
2-Butanone (MEK)	0.625	0.939	150	30.0-160	
Methylene Chloride	0.125	0.109	87.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.742	119	56.0-143	
Methyl tert-butyl ether	0.125	0.116	92.8	66.0-132	
Naphthalene	0.125	0.114	91.2	59.0-130	
n-Propylbenzene	0.125	0.120	96.0	74.0-126	

Laboratory Control Sample (LCS)

(LCS) R4078242-1 06/05/24 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Styrene	0.125	0.113	90.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.116	92.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.123	98.4	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.124	99.2	61.0-139	
Tetrachloroethene	0.125	0.122	97.6	70.0-136	
Toluene	0.125	0.113	90.4	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.123	98.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.115	92.0	62.0-137	
1,1,1-Trichloroethane	0.125	0.127	102	69.0-126	
1,1,2-Trichloroethane	0.125	0.120	96.0	78.0-123	
Trichloroethene	0.125	0.118	94.4	76.0-126	
Trichlorofluoromethane	0.125	0.138	110	61.0-142	
1,2,3-Trichloropropane	0.125	0.126	101	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.114	91.2	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.115	92.0	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.116	92.8	73.0-127	
Vinyl chloride	0.125	0.105	84.0	63.0-134	
Xylenes, Total	0.375	0.360	96.0	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*102*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*101*	*70.0-130*	

Method Blank (MB)

(MB) R4078943-3 06/06/24 21:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000737	0.00250
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078943-1 06/06/24 20:08 • (LCSD) R4078943-2 06/06/24 20:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.125	0.116	0.117	92.8	93.6	74.0-126			0.858	20
(S) Toluene-d8				*109*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.8*	*98.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*101*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R4078449-1 06/06/24 17:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*72.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4078449-2 06/06/24 18:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.4	77.6	50.0-150	
C22-C32 Hydrocarbons	25.0	17.3	69.2	50.0-150	
(S) o-Terphenyl			*75.7*	*18.0-148*	

L1742731-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742731-04 06/06/24 22:23 • (MS) R4078449-3 06/06/24 22:37 • (MSD) R4078449-4 06/06/24 22:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	26.5	24.4	39.9	31.3	58.4	26.1	20	50.0-150		J3 J6	24.0	20
C22-C32 Hydrocarbons	24.5	279	183	117	0.000	0.000	20	50.0-150	V	J3 V	44.0	20
(S) o-Terphenyl					*89.0*	*78.9*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4078157-1 06/05/24 21:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*129*			*10.0-135*
(S) Tetrachloro-m-xylene	*105*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4078157-2 06/05/24 21:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.112	67.1	36.0-141	
PCB 1260	0.167	0.136	81.4	37.0-145	
(S) Decachlorobiphenyl			*94.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*78.4*	*10.0-139*	

L1741452-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741452-01 06/05/24 21:44 • (MS) R4078157-3 06/05/24 21:54 • (MSD) R4078157-4 06/05/24 22:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.166	U	0.0725	0.0788	43.7	48.0	1	10.0-160			8.33	37
PCB 1260	0.166	U	0.0687	0.0671	41.4	40.9	1	10.0-160			2.36	38
(S) Decachlorobiphenyl					*42.8*	*41.5*		*10.0-135*				
(S) Tetrachloro-m-xylene					*57.0*	*60.2*		*10.0-139*				

Method Blank (MB)

(MB) R4078745-2 06/07/24 11:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078745-2 06/07/24 11:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*61.3*			*12.0-120*
(S) Phenol-d5	*55.6*			*10.0-120*
(S) Nitrobenzene-d5	*52.6*			*10.0-122*
(S) 2-Fluorobiphenyl	*61.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*65.9*			*10.0-127*
(S) p-Terphenyl-d14	*68.8*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.466	70.0	38.0-120	
Acenaphthylene	0.666	0.486	73.0	40.0-120	
Anthracene	0.666	0.489	73.4	42.0-120	
Benzidine	1.33	0.512	38.5	10.0-120	J
Benzo(a)anthracene	0.666	0.508	76.3	44.0-120	
Benzo(b)fluoranthene	0.666	0.500	75.1	43.0-120	
Benzo(k)fluoranthene	0.666	0.512	76.9	44.0-120	
Benzo(g,h,i)perylene	0.666	0.529	79.4	43.0-120	
Benzo(a)pyrene	0.666	0.516	77.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.372	55.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.422	63.4	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.414	62.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.507	76.1	40.0-120	
2-Chloronaphthalene	0.666	0.455	68.3	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.505	75.8	40.0-120	
Chrysene	0.666	0.493	74.0	43.0-120	
Dibenz(a,h)anthracene	0.666	0.552	82.9	44.0-120	
1,2-Dichlorobenzene	0.666	0.421	63.2	32.0-120	
1,3-Dichlorobenzene	0.666	0.411	61.7	30.0-120	
1,4-Dichlorobenzene	0.666	0.408	61.3	31.0-120	
3,3-Dichlorobenzidine	1.33	0.930	69.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.571	85.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.527	79.1	42.0-120	
Fluoranthene	0.666	0.502	75.4	44.0-120	
Fluorene	0.666	0.487	73.1	41.0-120	
Hexachlorobenzene	0.666	0.500	75.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.382	57.4	15.0-120	
Hexachlorocyclopentadiene	0.666	0.498	74.8	15.0-120	
Hexachloroethane	0.666	0.402	60.4	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.502	75.4	45.0-120	
Isophorone	0.666	0.367	55.1	23.0-120	
Naphthalene	0.666	0.356	53.5	18.0-120	
Nitrobenzene	0.666	0.359	53.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.378	56.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.480	72.1	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.429	64.4	26.0-120	
Phenanthrene	0.666	0.477	71.6	42.0-120	
Benzylbutyl phthalate	0.666	0.506	76.0	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.517	77.6	41.0-120	
Di-n-butyl phthalate	0.666	0.493	74.0	43.0-120	
Diethyl phthalate	0.666	0.485	72.8	43.0-120	
Dimethyl phthalate	0.666	0.483	72.5	43.0-120	
Di-n-octyl phthalate	0.666	0.523	78.5	40.0-120	
Pyrene	0.666	0.496	74.5	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.378	56.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.380	57.1	28.0-120	
2-Chlorophenol	0.666	0.459	68.9	28.0-120	
2,4-Dichlorophenol	0.666	0.392	58.9	25.0-120	
2,4-Dimethylphenol	0.666	0.440	66.1	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.554	83.2	16.0-120	
2,4-Dinitrophenol	0.666	0.517	77.6	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078745-1 06/07/24 10:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.444	66.7	20.0-120	
4-Nitrophenol	0.666	0.545	81.8	27.0-120	
Pentachlorophenol	0.666	0.507	76.1	29.0-120	
Phenol	0.666	0.424	63.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.477	71.6	37.0-120	
(S) 2-Fluorophenol			*69.1*	*12.0-120*	
(S) Phenol-d5			*62.5*	*10.0-120*	
(S) Nitrobenzene-d5			*46.8*	*10.0-122*	
(S) 2-Fluorobiphenyl			*68.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*85.1*	*10.0-127*	
(S) p-Terphenyl-d14			*73.6*	*10.0-120*	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
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Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day _X_ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
BS-G1-1-1.0	Grab	SS	1.0	05/29/24	1435	#2	○	○	●	●	●			-01
BS-G1-1-2.0	Grab	SS	2.0		1440	#3	○	○	●	●	●	●		-02
BS-G1-1-3.0	Grab	SS	3.0		1442	#3	●	●	●	○	●	●		-03
BS-G1-1-4.0	Grab	SS	4.0		1445	#3	○	○	○	○	○	○		-04
BS-G1-1-5.0	Grab	SS	5.0		1450	#3	●	●	○	○	○	●		-05
		SS												

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741491

Table # H038

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/29/24	15:00			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8+0.1=0.9 °C Bottles Received: 14	
	5/29/24	16:30	FEDEX		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/30/24 Time: 0900	Hold: Condition: NCF / OK
			Easton Organ		

Tracking Numbers	Temperature
NA	1.0+0.1=1.1 EOA6
6841 8348 8843	0.8+0.1=0.9 EOA6

Evelyn Ocampo
Name

5/30/24
Date

ANALYTICAL REPORT

October 01, 2024

Revised Report

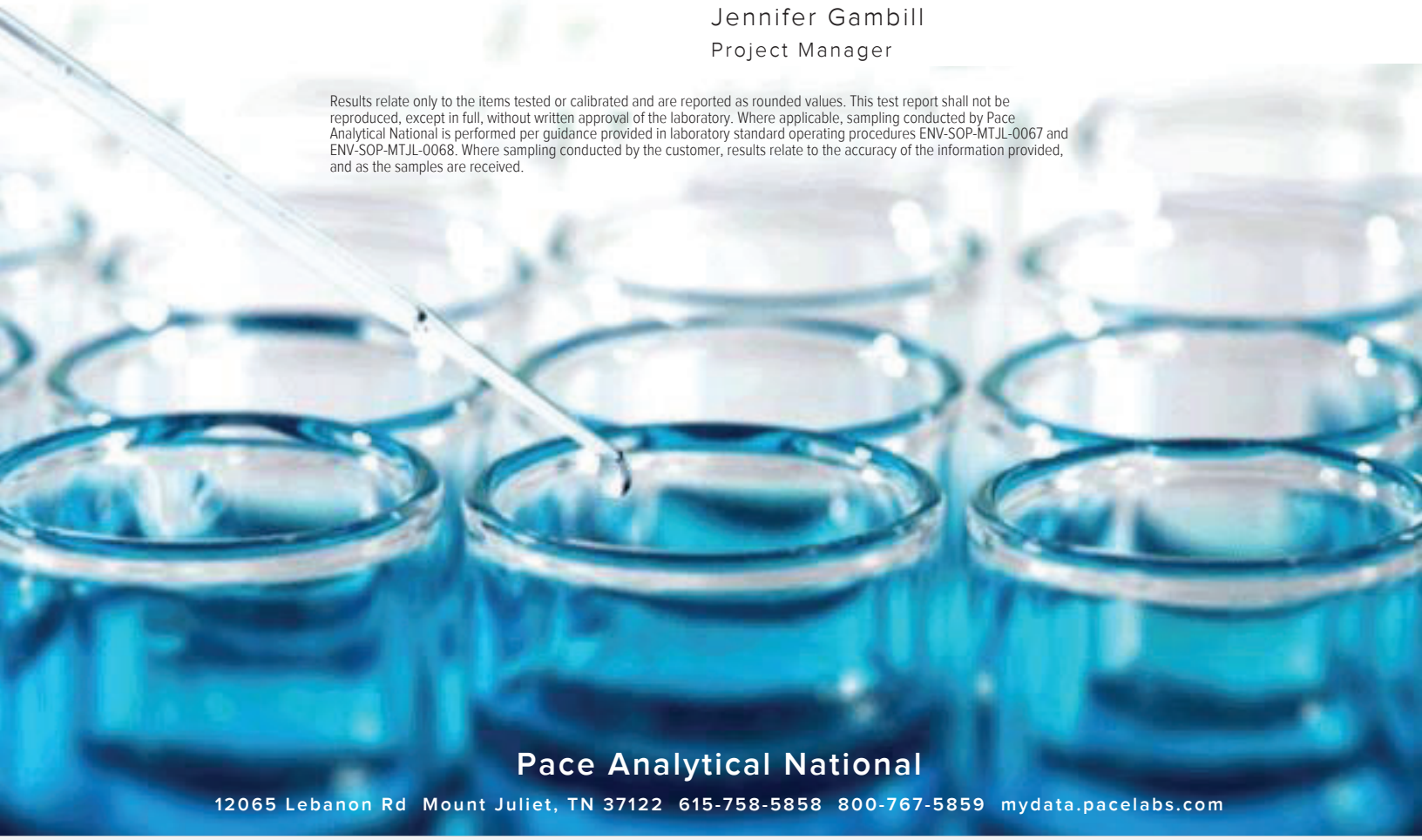
Roux - Oakland, CA

Sample Delivery Group:	L1741921
Samples Received:	05/31/2024
Project Number:	ROUX ASSOCIATES, IN
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G/UC-I2-1-1.0 L1741921-01 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:40	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:32	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304583	2	06/12/24 16:14	06/19/24 07:25	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	10	06/11/24 07:14	06/12/24 12:08	ALM	Mt. Juliet, TN

G/UC-I2-1-2.0 L1741921-02 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:42	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:34	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 10:25	06/11/24 12:04	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	1	06/11/24 07:14	06/12/24 02:26	ALM	Mt. Juliet, TN

G/UC-I2-1-3.0 L1741921-03 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:19	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:36	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 10:30	06/05/24 22:24	CDD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 18:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	1	06/11/24 07:14	06/12/24 02:46	ALM	Mt. Juliet, TN

G/UC-I2-1-4.0 L1741921-04 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303966	1	06/13/24 09:24	06/13/24 09:37	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2303940	34	05/30/24 10:40	06/13/24 00:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1.36	05/30/24 10:40	06/13/24 01:00	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 03:56	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 21:28	DSH	Mt. Juliet, TN

G/UC-I2-1-5.0 L1741921-05 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:45 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 10:45	06/05/24 22:46	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 10:45	06/11/24 12:26	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 15:10	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G/UC-I2-1-8.0 L1741921-06 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303966	1	06/13/24 09:24	06/13/24 09:37	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 10:50	06/13/24 09:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 10:50	06/13/24 01:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 02:01	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	10	06/13/24 06:13	06/14/24 12:26	DSH	Mt. Juliet, TN

G/UC-I2-1-10.0 L1741921-07 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:55 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 10:55	06/11/24 12:48	JBE	Mt. Juliet, TN

G/UC-H4-1-1.0 L1741921-08 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300491	1	06/07/24 12:32	06/07/24 12:45	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 17:45	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:42	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 11:32	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	1	06/11/24 07:14	06/12/24 03:27	ALM	Mt. Juliet, TN

G/UC-H4-1-2.0 L1741921-09 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 18:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:43	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 12:25	06/11/24 13:10	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 11:33	ALM	Mt. Juliet, TN

G/UC-H4-1-3.0 L1741921-10 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 18:09	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:45	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302200	25	05/30/24 12:30	06/10/24 15:40	NCD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 19:30	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 04:00	ALM	Mt. Juliet, TN

G/UC-H4-1-4.0 L1741921-11 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303966	1	06/13/24 09:24	06/13/24 09:37	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 12:40	06/13/24 10:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 12:40	06/13/24 01:39	ACG	Mt. Juliet, TN

G/UC-H4-1-4.0 L1741921-11 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 03:27	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	2	06/13/24 06:13	06/13/24 23:32	DSH	Mt. Juliet, TN

G/UC-H4-1-5.0 L1741921-12 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 12:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302200	25	05/30/24 12:50	06/10/24 15:59	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 12:50	06/11/24 13:32	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 12:46	JAS	Mt. Juliet, TN

G-H3-1-1.0 L1741921-13 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:05 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 18:12	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:50	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 11:41	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	5	06/12/24 16:14	06/19/24 01:23	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 06:49	ALM	Mt. Juliet, TN

G-H3-1-2.0 L1741921-14 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:10 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 18:14	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303955	2	05/30/24 10:10	06/13/24 00:28	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 12:08	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	5	06/12/24 16:14	06/14/24 16:12	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 04:20	ALM	Mt. Juliet, TN

G-H3-1-3.0 L1741921-15 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2300583	1	06/07/24 13:29	06/08/24 18:17	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300701	1	06/09/24 08:15	06/09/24 17:54	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302200	25	05/30/24 10:25	06/10/24 16:19	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 10:25	06/11/24 13:54	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	40	06/10/24 16:47	06/11/24 20:42	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2314791	1	07/01/24 17:34	07/01/24 23:17	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 07:10	ALM	Mt. Juliet, TN

G-H3-1-4.0 L1741921-16 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:35 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303966	1	06/13/24 09:24	06/13/24 09:37	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 19:55	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 10:35	06/13/24 10:30	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 10:35	06/13/24 01:59	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 04:25	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 21:07	DSH	Mt. Juliet, TN

G-H3-1-5.0 L1741921-17 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 10:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300492	1	06/10/24 12:45	06/10/24 12:51	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302200	25	05/30/24 10:40	06/10/24 16:38	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 10:40	06/11/24 14:16	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 13:43	JAS	Mt. Juliet, TN

UC-H1-1-1.0 L1741921-18 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:10 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:45	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:41	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 12:17	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 04:41	ALM	Mt. Juliet, TN

UC-H1-1-2.0 L1741921-19 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:47	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:42	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302420	1	05/30/24 08:15	06/11/24 14:38	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 11:54	ALM	Mt. Juliet, TN

UC-H1-1-3.0 L1741921-20 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:50	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:24	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 08:20	06/05/24 23:08	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 18:47	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	1	06/11/24 07:14	06/12/24 03:47	ALM	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

UC-H1-1-4.0 L1741921-21 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304167	1	06/13/24 07:30	06/13/24 07:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 08:25	06/13/24 10:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 08:25	06/13/24 02:18	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 03:42	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	2	06/13/24 06:13	06/13/24 23:53	DSH	Mt. Juliet, TN

UC-H1-1-5.0 L1741921-22 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 08:30	06/05/24 23:30	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 08:30	06/11/24 20:26	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 13:00	JAS	Mt. Juliet, TN

UC-H1-1-8.0 L1741921-23 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:45 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304167	1	06/13/24 07:30	06/13/24 07:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 08:45	06/13/24 11:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 08:45	06/13/24 02:38	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 02:44	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	20	06/13/24 06:13	06/14/24 11:21	DSH	Mt. Juliet, TN

UC-H1-1-10.0 L1741921-24 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297630	1	06/03/24 15:59	06/03/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 08:50	06/11/24 20:44	JAH	Mt. Juliet, TN

BS-I3-1-1.0 L1741921-25 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:52	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:44	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 12:26	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/19/24 00:44	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	2	06/11/24 07:14	06/12/24 04:27	ALM	Mt. Juliet, TN

BS-I3-1-2.0 L1741921-26 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 18:55	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:46	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 14:40	06/11/24 21:03	JAH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

BS-I3-1-2.0 L1741921-26 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG2314791	1	07/01/24 17:34	07/01/24 23:25	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	2	06/11/24 07:14	06/12/24 04:47	ALM	Mt. Juliet, TN

BS-I3-1-3.0 L1741921-27 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:02	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 14:50	06/05/24 23:51	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	2	06/10/24 16:47	06/11/24 22:59	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	2	06/11/24 07:14	06/12/24 05:08	ALM	Mt. Juliet, TN

BS-I3-1-4.0 L1741921-28 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 15:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304167	1	06/13/24 07:30	06/13/24 07:36	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 15:00	06/13/24 11:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 15:00	06/13/24 02:58	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 04:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	10	06/13/24 06:13	06/14/24 11:00	DSH	Mt. Juliet, TN

BS-I3-1-5.0 L1741921-29 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 15:10 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 15:10	06/06/24 00:13	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 15:10	06/11/24 21:22	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 14:55	JAS	Mt. Juliet, TN

TB-053024 L1741921-30 GW

Collected by: JA/DB | Collected date/time: 05/30/24 12:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299510	1	06/06/24 11:54	06/06/24 11:54	DYW	Mt. Juliet, TN

G-H2-1-1.0 L1741921-31 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:10 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:04	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:49	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304583	10	06/12/24 16:14	06/21/24 02:20	LJD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304583	2	06/12/24 16:14	06/19/24 09:11	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	20	06/11/24 07:14	06/12/24 05:48	ALM	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G-H2-1-2.0 L1741921-32 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:07	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:51	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 09:15	06/11/24 21:41	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2302475	10	06/11/24 07:14	06/12/24 06:08	ALM	Mt. Juliet, TN

G-H2-1-3.0 L1741921-33 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:09	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:33	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:41	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	5	06/07/24 17:37	06/10/24 09:10	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 09:20	06/06/24 00:34	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 09:20	06/11/24 22:01	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 13:54	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 22:41	DSH	Mt. Juliet, TN

G-H2-1-4.0 L1741921-34 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304167	1	06/13/24 07:30	06/13/24 07:36	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:14	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 09:30	06/13/24 11:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 09:30	06/13/24 03:17	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 04:54	KDB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	10	06/13/24 16:23	06/14/24 18:34	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	2	06/13/24 06:13	06/14/24 10:38	DSH	Mt. Juliet, TN

G-H2-1-5.0 L1741921-35 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 09:40	06/06/24 00:56	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 09:40	06/11/24 22:19	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	50	06/12/24 19:34	06/13/24 15:21	JAS	Mt. Juliet, TN

G/UC-I4-1-1.0 L1741921-36 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:12	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:35	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:43	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 12:43	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/19/24 00:54	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 19:49	DSH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G/UC-I4-1-2.0 L1741921-37 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297634	1	06/03/24 15:52	06/03/24 15:57	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:14	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:37	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:48	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 13:30	06/11/24 22:38	JAH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2314791	1	07/01/24 17:34	07/01/24 23:34	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 22:16	DSH	Mt. Juliet, TN

G/UC-I4-1-3.0 L1741921-38 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:17	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	5	06/07/24 17:37	06/10/24 09:50	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25.3	05/30/24 13:40	06/06/24 01:17	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 14:08	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/14/24 00:43	DSH	Mt. Juliet, TN

G/UC-I4-1-4.0 L1741921-39 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304167	1	06/13/24 07:30	06/13/24 07:36	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:16	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 13:50	06/13/24 12:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 13:50	06/13/24 03:37	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 18:06	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	2	06/13/24 06:13	06/14/24 00:13	DSH	Mt. Juliet, TN

G/UC-I4-1-5.0 L1741921-40 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 14:00	06/06/24 01:39	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 14:00	06/11/24 22:57	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 11:15	JAS	Mt. Juliet, TN

G/UC-I4-1-8.0 L1741921-41 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:05 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304284	25	05/30/24 14:05	06/13/24 12:27	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 14:05	06/13/24 03:56	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 01:46	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 20:25	DSH	Mt. Juliet, TN

G/UC-I4-1-10.0 L1741921-42 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:10 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 14:10	06/11/24 23:16	JAH	Mt. Juliet, TN

BS-I1-1-1.0 L1741921-43 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:19	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:44	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:51	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 12:52	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 23:05	DSH	Mt. Juliet, TN

BS-I1-1-2.0 L1741921-44 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:22	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:46	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:53	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 08:20	06/11/24 23:35	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 20:14	DSH	Mt. Juliet, TN

BS-I1-1-3.0 L1741921-45 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:24	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 08:25	06/06/24 02:00	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1	05/30/24 08:25	06/11/24 23:54	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	20	06/12/24 19:34	06/13/24 20:17	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 23:29	DSH	Mt. Juliet, TN

BS-I1-1-4.0 L1741921-46 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:18	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	30.3	05/30/24 08:30	06/13/24 03:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1.21	05/30/24 08:30	06/13/24 04:15	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	40	06/13/24 16:23	06/14/24 18:20	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	10	06/13/24 06:13	06/13/24 22:51	DSH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

BS-I1-1-5.0 L1741921-47 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 08:35 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25.5	05/30/24 08:35	06/06/24 02:22	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303115	1.02	05/30/24 08:35	06/12/24 00:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	5	06/12/24 19:34	06/13/24 14:52	JAS	Mt. Juliet, TN

G/UC-I3-1-1.0 L1741921-48 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297785	1	06/05/24 08:22	06/05/24 19:31	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:54	ZSA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 13:01	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/19/24 01:04	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	2	06/13/24 06:40	06/14/24 02:21	DSH	Mt. Juliet, TN

G/UC-I3-1-2.0 L1741921-49 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:05 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:47	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299945	1	06/06/24 22:22	06/09/24 08:56	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 14:05	06/11/24 19:26	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2314791	1	07/01/24 17:34	07/01/24 23:43	NWH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/14/24 00:18	DSH	Mt. Juliet, TN

G/UC-I3-1-3.0 L1741921-50 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:50	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:47	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:55	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 14:15	06/06/24 02:43	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 13:11	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 20:38	DSH	Mt. Juliet, TN

G/UC-I3-1-4.0 L1741921-51 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	27.5	05/30/24 14:20	06/13/24 03:40	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1.1	05/30/24 14:20	06/13/24 04:35	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 01:32	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	2	06/13/24 06:13	06/13/24 23:11	DSH	Mt. Juliet, TN

G/UC-I3-1-5.0 L1741921-52 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:30 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 14:30	06/06/24 03:05	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 14:30	06/11/24 19:45	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 11:44	JAS	Mt. Juliet, TN

G/UC-I3-1-8.0 L1741921-53 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:35 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	25	05/30/24 14:35	06/13/24 04:03	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304049	1	05/30/24 14:35	06/13/24 04:54	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 02:15	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 20:05	DSH	Mt. Juliet, TN

G/UC-I3-1-10.0 L1741921-54 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 14:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 14:40	06/11/24 20:04	JHH	Mt. Juliet, TN

EB-053024 L1741921-55 GW

Collected by: JA/DB | Collected date/time: 05/30/24 11:19 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2296703	1	06/02/24 15:07	06/03/24 12:20	NDL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2306181	1	06/17/24 08:19	06/18/24 17:15	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2303210	1	06/12/24 03:27	06/12/24 03:27	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2299510	1	06/06/24 12:15	06/06/24 12:15	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 3511/8015	WG2296791	1	06/01/24 19:41	06/02/24 14:07	DMG	Mt. Juliet, TN

BS-I2-1-1.0 L1741921-56 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:52	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:49	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:56	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304583	2	06/12/24 16:14	06/19/24 07:36	LTB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304583	2	06/12/24 16:14	06/19/24 23:10	LTB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	10	06/13/24 06:40	06/14/24 12:04	DSH	Mt. Juliet, TN

BS-I2-1-2.0 L1741921-57 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:05 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:32	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:51	DJS	Mt. Juliet, TN

BS-I2-1-2.0 L1741921-57 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:05 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:58	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 13:05	06/11/24 20:24	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 21:03	DSH	Mt. Juliet, TN

BS-I2-1-3.0 L1741921-58 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:55	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:53	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 10:00	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 13:15	06/06/24 03:26	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 13:15	06/11/24 20:43	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 12:13	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 21:27	DSH	Mt. Juliet, TN

BS-I2-1-4.0 L1741921-59 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	25.5	05/30/24 13:20	06/13/24 04:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304116	1.02	05/30/24 13:20	06/13/24 03:08	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 01:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 20:46	DSH	Mt. Juliet, TN

BS-I2-1-5.0 L1741921-60 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 13:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 13:25	06/06/24 03:48	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 13:25	06/11/24 21:02	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 11:29	JAS	Mt. Juliet, TN

G/UC-I1-1-1.0 L1741921-61 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:15 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 09:57	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:54	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 10:01	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 13:19	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 21:52	DSH	Mt. Juliet, TN

G/UC-I1-1-2.0 L1741921-62 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:20 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 10:00	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:25	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 09:33	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303979	1.16	05/30/24 09:20	06/13/24 02:28	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/14/24 11:43	DSH	Mt. Juliet, TN

G/UC-I1-1-3.0 L1741921-63 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:25 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2297782	1	06/03/24 16:55	06/04/24 10:02	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/09/24 19:56	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299939	1	06/07/24 17:37	06/10/24 10:03	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 09:25	06/06/24 04:10	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 14:23	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	2	06/13/24 06:40	06/14/24 01:07	DSH	Mt. Juliet, TN

G/UC-I1-1-4.0 L1741921-64 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:32 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2315127	1	07/01/24 13:07	07/01/24 20:20	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	28	05/30/24 09:32	06/13/24 04:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304116	1.12	05/30/24 09:32	06/13/24 03:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 02:58	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 21:48	DSH	Mt. Juliet, TN

G/UC-I1-1-5.0 L1741921-65 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:40 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297639	1	06/03/24 15:15	06/03/24 15:22	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 09:40	06/06/24 04:31	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 09:40	06/11/24 21:21	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 12:27	JAS	Mt. Juliet, TN

G/UC-I1-1-8.0 L1741921-66 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:45 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304093	25	05/30/24 09:45	06/13/24 05:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304116	1	05/30/24 09:45	06/13/24 03:49	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 00:34	KDB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 22:30	DSH	Mt. Juliet, TN

G/UC-I1-1-10.0 L1741921-67 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 09:50 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297640	1	06/03/24 16:05	06/03/24 16:12	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 09:50	06/11/24 21:40	JHH	Mt. Juliet, TN

G/BS-H1-1-1.0 L1741921-68 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 00:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298445	1	06/04/24 17:12	06/04/24 17:22	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2298562	1	06/05/24 18:53	06/07/24 18:26	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299845	1	06/11/24 10:39	06/11/24 18:31	DJS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2303247	1	06/12/24 16:14	06/13/24 13:28	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	1	06/13/24 06:40	06/13/24 23:54	DSH	Mt. Juliet, TN

G/BS-H1-1-2.0 L1741921-69 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 00:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298445	1	06/04/24 17:12	06/04/24 17:22	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2298562	1	06/05/24 18:53	06/07/24 18:29	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299845	1	06/11/24 10:39	06/11/24 18:34	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 00:00	06/11/24 21:59	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	10	06/13/24 06:40	06/14/24 03:58	DSH	Mt. Juliet, TN

G/BS-H1-1-3.0 L1741921-70 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 00:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298445	1	06/04/24 17:12	06/04/24 17:22	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2298562	1	06/05/24 18:53	06/07/24 18:32	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2299845	1	06/11/24 10:39	06/11/24 18:37	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302673	55.5	05/30/24 00:00	06/11/24 13:29	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	8	05/30/24 00:00	06/11/24 22:55	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 13:25	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2303251	20	06/13/24 06:40	06/14/24 02:45	DSH	Mt. Juliet, TN

G/BS-H1-1-4.0 L1741921-71 Solid

Collected by: JA/DB | Collected date/time: 05/30/24 00:00 | Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2304168	1	06/13/24 07:55	06/13/24 08:01	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2304524	25.3	05/30/24 00:00	06/13/24 14:02	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2304116	1.01	05/30/24 00:00	06/13/24 04:09	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2304127	1	06/13/24 16:23	06/14/24 03:13	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2304128	1	06/13/24 06:13	06/13/24 22:09	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

G/BS-H1-1-5.0 L1741921-72 Solid

Collected by	Collected date/time	Received date/time
JA/DB	05/30/24 00:00	05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298445	1	06/04/24 17:12	06/04/24 17:22	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2299409	25	05/30/24 00:00	06/06/24 05:14	WHS	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2303036	1	05/30/24 00:00	06/11/24 23:13	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2303234	1	06/12/24 19:34	06/13/24 11:58	JAS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/03/24 17:43
Level II Report - Version 2: 08/16/24 10:43

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-2.0	L1741921-02	Mercury	0.139		0.0200	0.0445	1	06/05/2024 18:42	WG2297785
G/UC-I2-1-3.0	L1741921-03	Mercury	0.0592		0.0238	0.0528	1	06/05/2024 18:19	WG2297785
G/UC-H4-1-1.0	L1741921-08	Mercury	0.0525		0.0192	0.0427	1	06/08/2024 17:45	WG2300583
G/UC-H4-1-2.0	L1741921-09	Mercury	0.211		0.0206	0.0457	1	06/08/2024 18:00	WG2300583
G/UC-H4-1-3.0	L1741921-10	Mercury	0.360		0.0204	0.0453	1	06/08/2024 18:09	WG2300583
G-H3-1-1.0	L1741921-13	Mercury	0.275		0.0198	0.0439	1	06/08/2024 18:12	WG2300583
G-H3-1-2.0	L1741921-14	Mercury	0.159		0.0200	0.0445	1	06/08/2024 18:14	WG2300583
G-H3-1-3.0	L1741921-15	Mercury	0.215		0.0228	0.0506	1	06/08/2024 18:17	WG2300583
UC-H1-1-1.0	L1741921-18	Mercury	0.102		0.0220	0.0488	1	06/05/2024 18:45	WG2297785
UC-H1-1-2.0	L1741921-19	Mercury	0.118		0.0206	0.0458	1	06/05/2024 18:47	WG2297785
UC-H1-1-3.0	L1741921-20	Mercury	0.197		0.0244	0.0542	1	06/05/2024 18:50	WG2297785
BS-I3-1-1.0	L1741921-25	Mercury	0.232		0.0207	0.0460	1	06/05/2024 18:52	WG2297785
BS-I3-1-2.0	L1741921-26	Mercury	0.446		0.0208	0.0462	1	06/05/2024 18:55	WG2297785
BS-I3-1-3.0	L1741921-27	Mercury	0.138		0.0209	0.0464	1	06/05/2024 19:02	WG2297785
G-H2-1-1.0	L1741921-31	Mercury	0.206		0.0210	0.0466	1	06/05/2024 19:04	WG2297785
G-H2-1-2.0	L1741921-32	Mercury	0.0501		0.0214	0.0475	1	06/05/2024 19:07	WG2297785
G/UC-I4-1-1.0	L1741921-36	Mercury	0.440		0.0208	0.0462	1	06/05/2024 19:12	WG2297785
G/UC-I4-1-2.0	L1741921-37	Mercury	0.189		0.0198	0.0439	1	06/05/2024 19:14	WG2297785
G/UC-I4-1-3.0	L1741921-38	Mercury	0.0456	J	0.0215	0.0478	1	06/05/2024 19:17	WG2297785
BS-I1-1-1.0	L1741921-43	Mercury	0.0515		0.0190	0.0422	1	06/05/2024 19:19	WG2297785
BS-I1-1-2.0	L1741921-44	Mercury	0.0284	J	0.0193	0.0429	1	06/05/2024 19:22	WG2297785
BS-I1-1-3.0	L1741921-45	Mercury	0.0225	J	0.0212	0.0471	1	06/05/2024 19:24	WG2297785
G/UC-I3-1-1.0	L1741921-48	Mercury	0.137		0.0201	0.0446	1	06/05/2024 19:31	WG2297785
G/UC-I3-1-2.0	L1741921-49	Mercury	0.151		0.0228	0.0507	1	06/04/2024 09:47	WG2297782
G/UC-I3-1-3.0	L1741921-50	Mercury	0.111		0.0215	0.0478	1	06/04/2024 09:50	WG2297782
BS-I2-1-2.0	L1741921-57	Mercury	0.193		0.0200	0.0444	1	06/04/2024 09:32	WG2297782
BS-I2-1-3.0	L1741921-58	Mercury	0.0607		0.0223	0.0496	1	06/04/2024 09:55	WG2297782
G/UC-I1-1-1.0	L1741921-61	Mercury	0.153		0.0228	0.0507	1	06/04/2024 09:57	WG2297782
G/UC-I1-1-2.0	L1741921-62	Mercury	0.196		0.0212	0.0471	1	06/04/2024 10:00	WG2297782
G/UC-I1-1-3.0	L1741921-63	Mercury	0.182		0.0239	0.0531	1	06/04/2024 10:02	WG2297782
G/BS-H1-1-1.0	L1741921-68	Mercury	0.0311	J	0.0221	0.0491	1	06/07/2024 18:26	WG2298562
G/BS-H1-1-2.0	L1741921-69	Mercury	0.0486		0.0193	0.0430	1	06/07/2024 18:29	WG2298562
G/BS-H1-1-3.0	L1741921-70	Mercury	0.0546		0.0239	0.0531	1	06/07/2024 18:32	WG2298562

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-1.0	L1741921-01	Antimony	14.6		0.619	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Arsenic	3.23		0.590	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Barium	288		0.0970	0.569	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Beryllium	0.514		0.0359	0.228	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Cadmium	3.44		0.0536	0.569	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Chromium	66.8		0.151	1.14	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Cobalt	8.53		0.0923	1.14	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Copper	90.7		0.455	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Lead	709		0.237	0.569	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Molybdenum	4.40		0.124	0.569	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Nickel	42.5		0.150	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Selenium	1.21	J	0.870	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Silver	1.42	B	0.145	1.14	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Vanadium	45.6		0.576	2.28	1	06/09/2024 08:32	WG2299945
G/UC-I2-1-1.0	L1741921-01	Zinc	679		0.947	5.69	1	06/09/2024 08:32	WG2299945

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-2.0	L1741921-02	Antimony	7.92		0.605	2.22	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Barium	103		0.0947	0.556	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Beryllium	0.192	J	0.0350	0.222	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Cadmium	0.476	J	0.0524	0.556	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Chromium	17.9		0.148	1.11	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Cobalt	7.31		0.0902	1.11	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Copper	30.6		0.445	2.22	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Lead	60.5		0.231	0.556	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Molybdenum	1.51		0.121	0.556	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Nickel	29.0		0.147	2.22	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Silver	0.454	B J	0.141	1.11	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Vanadium	37.2		0.563	2.22	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-2.0	L1741921-02	Zinc	123		0.925	5.56	1	06/09/2024 08:34	WG2299945
G/UC-I2-1-3.0	L1741921-03	Antimony	6.98		0.718	2.64	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Barium	330		0.112	0.660	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Beryllium	0.837		0.0416	0.264	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Chromium	83.3		0.176	1.32	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Cobalt	13.8		0.107	1.32	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Copper	37.6		0.528	2.64	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Lead	13.9		0.275	0.660	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Molybdenum	0.422	J	0.144	0.660	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Nickel	71.9		0.174	2.64	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Selenium	1.44	J	1.01	2.64	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Vanadium	78.0		0.668	2.64	1	06/09/2024 08:36	WG2299945
G/UC-I2-1-3.0	L1741921-03	Zinc	77.8		1.10	6.60	1	06/09/2024 08:36	WG2299945
G/UC-H4-1-1.0	L1741921-08	Antimony	23.5		0.580	2.13	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Barium	62.9		0.0909	0.533	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Beryllium	0.0599	J	0.0336	0.213	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Chromium	6.78		0.142	1.07	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Cobalt	11.6		0.0865	1.07	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Copper	44.2		0.427	2.13	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Lead	23.2		0.222	0.533	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Molybdenum	1.00		0.116	0.533	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Nickel	7.96		0.141	2.13	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Silver	0.633	J	0.135	1.07	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Vanadium	58.4		0.540	2.13	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-1.0	L1741921-08	Zinc	77.1		0.887	5.33	1	06/09/2024 17:42	WG2300701
G/UC-H4-1-2.0	L1741921-09	Antimony	9.28		0.621	2.28	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Arsenic	4.61		0.592	2.28	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Barium	168		0.0973	0.571	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Beryllium	0.357		0.0360	0.228	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Cadmium	2.41		0.0538	0.571	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Chromium	58.4		0.152	1.14	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Cobalt	15.9		0.0926	1.14	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Copper	64.1		0.457	2.28	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Lead	123		0.238	0.571	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Molybdenum	0.504	J	0.125	0.571	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Nickel	63.7		0.151	2.28	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Silver	0.387	J	0.145	1.14	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Vanadium	50.4		0.578	2.28	1	06/09/2024 17:43	WG2300701
G/UC-H4-1-2.0	L1741921-09	Zinc	156		0.950	5.71	1	06/09/2024 17:43	WG2300701

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-H4-1-3.0	L1741921-10	Antimony	10.0		0.616	2.26	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Arsenic	5.55		0.586	2.26	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Barium	87.0		0.0964	0.566	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Beryllium	0.162	J	0.0357	0.226	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Chromium	38.8		0.151	1.13	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Cobalt	19.0		0.0918	1.13	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Copper	63.2		0.453	2.26	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Lead	25.0		0.235	0.566	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Molybdenum	0.385	J	0.123	0.566	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Nickel	31.1		0.149	2.26	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Silver	0.590	J	0.144	1.13	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Vanadium	53.0		0.573	2.26	1	06/09/2024 17:45	WG2300701
G/UC-H4-1-3.0	L1741921-10	Zinc	56.9		0.942	5.66	1	06/09/2024 17:45	WG2300701
G-H3-1-1.0	L1741921-13	Antimony	9.73		0.597	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Arsenic	2.67		0.568	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Barium	200		0.0935	0.549	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Beryllium	0.408		0.0346	0.219	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Cadmium	0.886		0.0517	0.549	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Chromium	48.8		0.146	1.10	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Cobalt	9.54		0.0890	1.10	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Copper	57.5		0.439	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Lead	291		0.228	0.549	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Molybdenum	1.54		0.120	0.549	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Nickel	55.6		0.145	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Selenium	1.68	J	0.838	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Silver	0.467	J	0.139	1.10	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Vanadium	43.1		0.555	2.19	1	06/09/2024 17:50	WG2300701
G-H3-1-1.0	L1741921-13	Zinc	309		0.913	5.49	1	06/09/2024 17:50	WG2300701
G-H3-1-2.0	L1741921-14	Antimony	9.21		0.605	2.22	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Arsenic	1.85	J	0.576	2.22	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Barium	166		0.0947	0.556	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Beryllium	0.494		0.0350	0.222	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Cadmium	0.829		0.0524	0.556	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Chromium	51.7		0.148	1.11	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Cobalt	8.62		0.0901	1.11	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Copper	44.6		0.445	2.22	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Lead	381		0.231	0.556	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Molybdenum	1.02		0.121	0.556	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Nickel	57.6		0.147	2.22	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Silver	0.339	J	0.141	1.11	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Vanadium	37.3		0.562	2.22	1	06/09/2024 17:52	WG2300701
G-H3-1-2.0	L1741921-14	Zinc	280		0.925	5.56	1	06/09/2024 17:52	WG2300701
G-H3-1-3.0	L1741921-15	Antimony	13.1		0.689	2.53	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Arsenic	1.12	J	0.656	2.53	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Barium	269		0.108	0.633	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Beryllium	0.271		0.0399	0.253	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Cadmium	1.04		0.0596	0.633	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Chromium	57.8		0.168	1.27	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Cobalt	8.47		0.103	1.27	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Copper	102		0.506	2.53	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Lead	644		0.263	0.633	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Molybdenum	4.22		0.138	0.633	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Nickel	52.2		0.167	2.53	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Silver	0.430	J	0.161	1.27	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Vanadium	39.3		0.641	2.53	1	06/09/2024 17:54	WG2300701
G-H3-1-3.0	L1741921-15	Zinc	345		1.05	6.33	1	06/09/2024 17:54	WG2300701

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H3-1-4.0	L1741921-16	Lead	31.9		0.257	0.617	1	07/01/2024 19:55	WG2315127
UC-H1-1-1.0	L1741921-18	Antimony	8.78		0.664	2.44	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Arsenic	1.66	J	0.632	2.44	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Barium	257		0.104	0.610	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Beryllium	0.388		0.0384	0.244	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Cadmium	0.115	J	0.0574	0.610	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Chromium	63.0		0.162	1.22	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Cobalt	13.8		0.0989	1.22	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Copper	28.8		0.488	2.44	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Lead	35.6		0.254	0.610	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Molybdenum	0.227	J	0.133	0.610	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Nickel	61.5		0.161	2.44	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Silver	0.607	B J	0.155	1.22	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Vanadium	57.7		0.617	2.44	1	06/09/2024 08:41	WG2299945
UC-H1-1-1.0	L1741921-18	Zinc	86.5		1.01	6.10	1	06/09/2024 08:41	WG2299945
UC-H1-1-2.0	L1741921-19	Antimony	10.4		0.623	2.29	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Arsenic	1.21	J	0.593	2.29	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Barium	200		0.0976	0.572	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Beryllium	0.348		0.0361	0.229	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Cadmium	0.310	J	0.0539	0.572	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Chromium	51.1		0.152	1.14	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Cobalt	11.3		0.0929	1.14	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Copper	33.4		0.458	2.29	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Lead	64.0		0.238	0.572	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Molybdenum	0.399	J	0.125	0.572	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Nickel	43.1		0.151	2.29	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Silver	0.300	B J	0.145	1.14	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Vanadium	57.2		0.579	2.29	1	06/09/2024 08:42	WG2299945
UC-H1-1-2.0	L1741921-19	Zinc	110		0.953	5.72	1	06/09/2024 08:42	WG2299945
UC-H1-1-3.0	L1741921-20	Antimony	7.93	J6	0.737	2.71	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Barium	376	J5	0.115	0.677	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Beryllium	0.856		0.0427	0.271	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Cadmium	0.174	J	0.0638	0.677	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Chromium	89.0		0.180	1.35	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Cobalt	15.3		0.110	1.35	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Copper	44.2		0.542	2.71	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Lead	48.7	J3 J5	0.282	0.677	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Molybdenum	1.55		0.148	0.677	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Nickel	77.6		0.179	2.71	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Silver	0.273	B J	0.172	1.35	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Vanadium	82.2		0.686	2.71	1	06/09/2024 08:24	WG2299945
UC-H1-1-3.0	L1741921-20	Zinc	113	J3 J5	1.13	6.77	1	06/09/2024 08:24	WG2299945
BS-I3-1-1.0	L1741921-25	Antimony	8.60		0.626	2.30	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Barium	315		0.0980	0.575	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Beryllium	0.258		0.0362	0.230	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Cadmium	1.13		0.0542	0.575	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Chromium	52.2		0.153	1.15	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Cobalt	15.7		0.0933	1.15	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Copper	54.1		0.460	2.30	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Lead	217		0.239	0.575	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Molybdenum	1.25		0.125	0.575	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Nickel	64.7		0.152	2.30	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Silver	0.475	B J	0.146	1.15	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Vanadium	52.3		0.582	2.30	1	06/09/2024 08:44	WG2299945
BS-I3-1-1.0	L1741921-25	Zinc	373		0.957	5.75	1	06/09/2024 08:44	WG2299945

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-I3-1-2.0	L1741921-26	Antimony	6.21		0.629	2.31	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Barium	193		0.0984	0.578	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Beryllium	0.139	J	0.0364	0.231	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Cadmium	1.20		0.0544	0.578	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Chromium	84.0		0.154	1.16	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Cobalt	26.3		0.0937	1.16	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Copper	101		0.462	2.31	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Lead	207		0.240	0.578	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Molybdenum	0.533	J	0.126	0.578	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Nickel	61.1		0.153	2.31	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Selenium	1.21	J	0.883	2.31	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Silver	1.01	B J	0.147	1.16	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Vanadium	47.1		0.585	2.31	1	06/09/2024 08:46	WG2299945
BS-I3-1-2.0	L1741921-26	Zinc	313		0.961	5.78	1	06/09/2024 08:46	WG2299945
BS-I3-1-3.0	L1741921-27	Antimony	6.81		0.631	2.32	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Arsenic	4.88		0.601	2.32	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Barium	214		0.0988	0.580	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Beryllium	0.413		0.0365	0.232	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Cadmium	0.515	J	0.0546	0.580	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Chromium	79.0		0.154	1.16	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Cobalt	11.2		0.0940	1.16	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Copper	35.8		0.464	2.32	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Lead	109		0.241	0.580	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Molybdenum	0.892		0.126	0.580	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Nickel	57.5		0.153	2.32	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Silver	0.238	B J	0.147	1.16	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Vanadium	47.3		0.587	2.32	1	06/09/2024 08:47	WG2299945
BS-I3-1-3.0	L1741921-27	Zinc	210		0.965	5.80	1	06/09/2024 08:47	WG2299945
G-H2-1-1.0	L1741921-31	Antimony	11.2		0.633	2.33	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Arsenic	1.40	J	0.603	2.33	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Barium	219		0.0992	0.582	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Beryllium	0.337		0.0367	0.233	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Cadmium	5.90		0.0548	0.582	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Chromium	43.4		0.155	1.16	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Cobalt	15.3		0.0944	1.16	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Copper	78.8		0.466	2.33	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Lead	743		0.242	0.582	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Molybdenum	12.6		0.127	0.582	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Nickel	61.1		0.154	2.33	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Silver	1.37	B	0.148	1.16	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Vanadium	62.0		0.589	2.33	1	06/09/2024 08:49	WG2299945
G-H2-1-1.0	L1741921-31	Zinc	339		0.969	5.82	1	06/09/2024 08:49	WG2299945
G-H2-1-2.0	L1741921-32	Antimony	16.7		0.646	2.37	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Arsenic	2.94		0.615	2.37	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Barium	243		0.101	0.593	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Beryllium	0.587		0.0374	0.237	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Cadmium	7.58		0.0559	0.593	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Chromium	112		0.158	1.19	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Cobalt	9.20		0.0962	1.19	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Copper	204		0.475	2.37	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Lead	1620		0.247	0.593	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Molybdenum	19.2		0.129	0.593	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Nickel	77.1		0.157	2.37	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Selenium	2.81		0.907	2.37	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Silver	2.47	B	0.151	1.19	1	06/09/2024 08:51	WG2299945
G-H2-1-2.0	L1741921-32	Vanadium	40.1		0.601	2.37	1	06/09/2024 08:51	WG2299945

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H2-1-2.0	L1741921-32	Zinc	1240		0.987	5.93	1	06/09/2024 08:51	WG2299945
G-H2-1-3.0	L1741921-33	Antimony	16.8		0.635	2.33	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Arsenic	15.1		3.02	11.7	5	06/10/2024 09:10	WG2299939
G-H2-1-3.0	L1741921-33	Barium	207		0.0994	0.584	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Beryllium	0.571		0.0368	0.233	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Cadmium	11.4		0.0550	0.584	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Chromium	77.6		0.155	1.17	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Cobalt	2.07		0.0947	1.17	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Copper	173		0.467	2.33	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Lead	4540		0.243	0.584	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Molybdenum	6.02		0.127	0.584	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Nickel	22.9		0.154	2.33	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Selenium	7.42		0.892	2.33	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Silver	6.93		0.148	1.17	1	06/10/2024 09:41	WG2299939
G-H2-1-3.0	L1741921-33	Vanadium	26.0		0.591	2.33	1	06/09/2024 19:33	WG2299939
G-H2-1-3.0	L1741921-33	Zinc	1880		0.971	5.84	1	06/09/2024 19:33	WG2299939
G-H2-1-4.0	L1741921-34	Arsenic	5.46		0.612	2.36	1	07/01/2024 20:14	WG2315127
G-H2-1-4.0	L1741921-34	Lead	53.8		0.246	0.591	1	07/01/2024 20:14	WG2315127
G/UC-I4-1-1.0	L1741921-36	Antimony	6.34		0.628	2.31	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Barium	85.8		0.0984	0.577	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Beryllium	0.0628	J	0.0364	0.231	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Cadmium	3.15		0.0544	0.577	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Chromium	73.7		0.154	1.15	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Cobalt	20.0		0.0936	1.15	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Copper	141		0.462	2.31	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Lead	779		0.240	0.577	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Molybdenum	5.08		0.126	0.577	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Nickel	46.0		0.152	2.31	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Silver	1.61		0.147	1.15	1	06/10/2024 09:43	WG2299939
G/UC-I4-1-1.0	L1741921-36	Vanadium	26.8		0.584	2.31	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-1.0	L1741921-36	Zinc	629		0.961	5.77	1	06/09/2024 19:35	WG2299939
G/UC-I4-1-2.0	L1741921-37	Antimony	5.94		0.598	2.20	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Barium	55.1		0.0936	0.549	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Beryllium	0.152	J	0.0346	0.220	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Cadmium	0.586		0.0517	0.549	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Chromium	34.7		0.146	1.10	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Cobalt	11.2		0.0891	1.10	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Copper	80.1		0.439	2.20	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Lead	172		0.229	0.549	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Molybdenum	1.44		0.120	0.549	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Nickel	28.3		0.145	2.20	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Selenium	1.22	J	0.839	2.20	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Silver	0.740	J	0.140	1.10	1	06/10/2024 09:48	WG2299939
G/UC-I4-1-2.0	L1741921-37	Vanadium	26.0		0.556	2.20	1	06/09/2024 19:37	WG2299939
G/UC-I4-1-2.0	L1741921-37	Zinc	168		0.914	5.49	1	06/09/2024 19:37	WG2299939

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I4-1-3.0	L1741921-38	Antimony	23.4		3.25	12.0	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Arsenic	38.3		3.10	12.0	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Barium	138		0.509	2.99	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Beryllium	0.284	J	0.189	1.20	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Cadmium	2.15	J	0.282	2.99	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Chromium	117		0.795	5.98	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Cobalt	16.7		0.486	5.98	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Copper	369		2.39	12.0	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Lead	437		1.24	2.99	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Molybdenum	7.73		0.652	2.99	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Nickel	84.5		0.789	12.0	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Vanadium	96.3		3.03	12.0	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-3.0	L1741921-38	Zinc	459		4.97	29.9	5	06/10/2024 09:50	WG2299939
G/UC-I4-1-4.0	L1741921-39	Arsenic	6.66		0.632	2.44	1	07/01/2024 20:16	WG2315127
G/UC-I4-1-4.0	L1741921-39	Lead	26.5		0.254	0.610	1	07/01/2024 20:16	WG2315127
BS-I1-1-1.0	L1741921-43	Antimony	15.9		0.575	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Arsenic	6.80		0.547	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Barium	118		0.0900	0.528	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Beryllium	0.727		0.0333	0.211	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Chromium	22.3		0.140	1.06	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Cobalt	5.26		0.0856	1.06	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Copper	23.7		0.422	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Lead	13.2		0.220	0.528	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Molybdenum	0.360	J	0.115	0.528	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Nickel	22.4		0.139	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Selenium	2.70		0.807	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Silver	1.06		0.134	1.06	1	06/10/2024 09:51	WG2299939
BS-I1-1-1.0	L1741921-43	Vanadium	100		0.534	2.11	1	06/09/2024 19:44	WG2299939
BS-I1-1-1.0	L1741921-43	Zinc	41.1		0.879	5.28	1	06/09/2024 19:44	WG2299939
BS-I1-1-2.0	L1741921-44	Antimony	9.36		0.584	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Arsenic	31.5		0.556	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Barium	905		0.0914	0.537	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Beryllium	0.326		0.0338	0.215	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Cadmium	2.09		0.0506	0.537	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Chromium	29.2		0.143	1.07	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Cobalt	7.69		0.0870	1.07	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Copper	71.8		0.429	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Lead	99.9		0.223	0.537	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Molybdenum	1.04		0.117	0.537	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Nickel	32.9		0.142	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Selenium	3.37		0.820	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Vanadium	50.8		0.543	2.15	1	06/09/2024 19:46	WG2299939
BS-I1-1-2.0	L1741921-44	Zinc	243		0.893	5.37	1	06/09/2024 19:46	WG2299939
BS-I1-1-3.0	L1741921-45	Antimony	8.56		0.641	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Arsenic	59.5		0.610	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Barium	1550		0.100	0.589	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Beryllium	0.291		0.0371	0.236	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Cadmium	6.09		0.0555	0.589	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Chromium	52.0		0.157	1.18	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Cobalt	43.3		0.0956	1.18	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Copper	82.2		0.471	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Lead	150		0.245	0.589	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Molybdenum	1.48		0.128	0.589	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Nickel	104		0.156	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Selenium	4.43		0.900	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Silver	0.437	B J	0.150	1.18	1	06/09/2024 08:52	WG2299945

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-I1-1-3.0	L1741921-45	Vanadium	59.2		0.596	2.36	1	06/09/2024 08:52	WG2299945
BS-I1-1-3.0	L1741921-45	Zinc	283		0.980	5.89	1	06/09/2024 08:52	WG2299945
BS-I1-1-4.0	L1741921-46	Arsenic	13.5		0.749	2.89	1	07/01/2024 20:18	WG2315127
BS-I1-1-4.0	L1741921-46	Cobalt	12.4		0.117	1.45	1	07/01/2024 20:18	WG2315127
BS-I1-1-4.0	L1741921-46	Nickel	56.5		0.191	2.89	1	07/01/2024 20:18	WG2315127
G/UC-I3-1-1.0	L1741921-48	Antimony	7.95		0.606	2.23	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Arsenic	5.14		0.577	2.23	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Barium	161		0.0949	0.557	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Beryllium	0.186	J	0.0351	0.223	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Cadmium	1.12		0.0525	0.557	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Chromium	26.8		0.148	1.11	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Cobalt	6.54		0.0903	1.11	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Copper	55.8		0.446	2.23	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Lead	244		0.232	0.557	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Molybdenum	1.13		0.121	0.557	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Nickel	25.9		0.147	2.23	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Silver	0.374	B J	0.141	1.11	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Vanadium	27.9		0.564	2.23	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-1.0	L1741921-48	Zinc	250		0.927	5.57	1	06/09/2024 08:54	WG2299945
G/UC-I3-1-2.0	L1741921-49	Antimony	3.05		0.689	2.53	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Barium	25.4		0.108	0.633	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Cadmium	0.193	J	0.0596	0.633	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Chromium	75.2		0.168	1.27	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Cobalt	24.5		0.103	1.27	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Copper	127		0.507	2.53	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Lead	20.4		0.263	0.633	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Nickel	54.5		0.167	2.53	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Selenium	0.973	J	0.968	2.53	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Silver	1.00	B J	0.161	1.27	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Vanadium	36.7		0.641	2.53	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-2.0	L1741921-49	Zinc	53.9		1.05	6.33	1	06/09/2024 08:56	WG2299945
G/UC-I3-1-3.0	L1741921-50	Antimony	6.89		0.651	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Arsenic	1.42	J	0.619	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Barium	173		0.102	0.598	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Beryllium	0.379		0.0377	0.239	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Cadmium	0.205	J	0.0563	0.598	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Chromium	47.8		0.159	1.20	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Cobalt	10.0		0.0970	1.20	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Copper	22.0		0.478	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Lead	16.4		0.249	0.598	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Molybdenum	0.413	J	0.130	0.598	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Nickel	50.6		0.158	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Selenium	1.02	J	0.914	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Vanadium	41.7		0.605	2.39	1	06/09/2024 19:47	WG2299939
G/UC-I3-1-3.0	L1741921-50	Zinc	57.5		0.995	5.98	1	06/09/2024 19:47	WG2299939

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-I2-1-1.0	L1741921-56	Antimony	21.2		0.614	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Arsenic	2.19	J	0.585	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Barium	316		0.0962	0.564	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Beryllium	1.11		0.0356	0.226	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Cadmium	3.04		0.0532	0.564	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Chromium	88.0		0.150	1.13	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Cobalt	4.36		0.0916	1.13	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Copper	79.7		0.452	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Lead	711		0.235	0.564	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Molybdenum	9.59		0.123	0.564	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Nickel	20.2		0.149	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Selenium	6.10		0.862	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Silver	3.75		0.143	1.13	1	06/10/2024 09:56	WG2299939
BS-I2-1-1.0	L1741921-56	Thallium	1.51	J	0.445	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Vanadium	32.4		0.571	2.26	1	06/09/2024 19:49	WG2299939
BS-I2-1-1.0	L1741921-56	Zinc	455		0.939	5.64	1	06/09/2024 19:49	WG2299939
BS-I2-1-2.0	L1741921-57	Antimony	9.09		0.604	2.22	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Arsenic	2.28		0.575	2.22	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Barium	128		0.0946	0.555	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Beryllium	0.204	J	0.0350	0.222	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Cadmium	1.43		0.0523	0.555	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Chromium	22.1		0.148	1.11	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Cobalt	9.76		0.0900	1.11	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Copper	36.1		0.444	2.22	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Lead	106		0.231	0.555	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Molybdenum	1.26		0.121	0.555	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Nickel	27.5		0.147	2.22	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Silver	0.558	J	0.141	1.11	1	06/10/2024 09:58	WG2299939
BS-I2-1-2.0	L1741921-57	Vanadium	33.9		0.562	2.22	1	06/09/2024 19:51	WG2299939
BS-I2-1-2.0	L1741921-57	Zinc	265		0.924	5.55	1	06/09/2024 19:51	WG2299939
BS-I2-1-3.0	L1741921-58	Antimony	7.98		0.675	2.48	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Barium	154		0.106	0.620	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Beryllium	0.412		0.0391	0.248	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Cadmium	0.109	J	0.0584	0.620	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Chromium	47.4		0.165	1.24	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Cobalt	10.6		0.101	1.24	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Copper	21.9		0.496	2.48	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Lead	10.1		0.258	0.620	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Molybdenum	0.481	J	0.135	0.620	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Nickel	51.8		0.164	2.48	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Silver	0.228	J	0.158	1.24	1	06/10/2024 10:00	WG2299939
BS-I2-1-3.0	L1741921-58	Vanadium	44.8		0.628	2.48	1	06/09/2024 19:53	WG2299939
BS-I2-1-3.0	L1741921-58	Zinc	53.4		1.03	6.20	1	06/09/2024 19:53	WG2299939
G/UC-I1-1-1.0	L1741921-61	Antimony	10.0		0.690	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Arsenic	206		0.657	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Barium	1550		0.108	0.634	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Beryllium	0.333		0.0399	0.254	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Cadmium	5.90		0.0597	0.634	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Chromium	46.1		0.169	1.27	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Cobalt	12.5		0.103	1.27	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Copper	86.3		0.507	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Lead	213		0.264	0.634	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Molybdenum	3.50		0.138	0.634	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Nickel	47.6		0.167	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Selenium	3.52		0.968	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Silver	0.513	J	0.161	1.27	1	06/10/2024 10:01	WG2299939

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I1-1-1.0	L1741921-61	Vanadium	47.1		0.641	2.54	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-1.0	L1741921-61	Zinc	171		1.05	6.34	1	06/09/2024 19:54	WG2299939
G/UC-I1-1-2.0	L1741921-62	Antimony	8.61	J6	0.640	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Arsenic	415	J3 J5 J6	0.609	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Barium	2040	J3 O1 V	0.100	0.588	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Beryllium	0.363		0.0371	0.235	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Cadmium	6.35		0.0554	0.588	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Chromium	53.6	O1	0.156	1.18	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Cobalt	13.7		0.0954	1.18	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Copper	164	J3 J5	0.471	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Lead	187	J3 J5 J6	0.245	0.588	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Molybdenum	1.75		0.128	0.588	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Nickel	57.8		0.155	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Selenium	4.40		0.899	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Silver	0.665	J	0.149	1.18	1	06/10/2024 09:33	WG2299939
G/UC-I1-1-2.0	L1741921-62	Vanadium	47.9		0.595	2.35	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-2.0	L1741921-62	Zinc	249	J3 J5 J6 O1	0.979	5.88	1	06/09/2024 19:25	WG2299939
G/UC-I1-1-3.0	L1741921-63	Antimony	7.36		0.722	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Arsenic	170		0.688	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Barium	1230		0.113	0.664	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Beryllium	0.275		0.0418	0.266	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Cadmium	3.60		0.0625	0.664	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Chromium	47.0		0.177	1.33	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Cobalt	11.7		0.108	1.33	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Copper	111		0.531	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Lead	146		0.276	0.664	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Molybdenum	1.37		0.145	0.664	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Nickel	60.0		0.175	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Selenium	5.21		1.01	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Silver	0.383	J	0.169	1.33	1	06/10/2024 10:03	WG2299939
G/UC-I1-1-3.0	L1741921-63	Vanadium	39.1		0.672	2.66	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-3.0	L1741921-63	Zinc	127		1.10	6.64	1	06/09/2024 19:56	WG2299939
G/UC-I1-1-4.0	L1741921-64	Arsenic	5.29		0.688	2.66	1	07/01/2024 20:20	WG2315127
G/BS-H1-1-1.0	L1741921-68	Antimony	1.33	J	0.667	2.45	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Arsenic	3.66		0.635	2.45	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Barium	237		0.104	0.613	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Beryllium	0.509		0.0386	0.245	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Cadmium	0.0779	J	0.0578	0.613	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Chromium	42.9		0.163	1.23	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Cobalt	14.6		0.0995	1.23	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Copper	29.0		0.491	2.45	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Lead	37.8		0.255	0.613	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Nickel	50.0		0.162	2.45	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Vanadium	48.9		0.621	2.45	1	06/11/2024 18:31	WG2299845
G/BS-H1-1-1.0	L1741921-68	Zinc	68.3		1.02	6.13	1	06/11/2024 18:31	WG2299845

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-H1-1-2.0	L1741921-69	Antimony	1.32	J	0.584	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Arsenic	1.47	J	0.556	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Barium	105		0.0915	0.537	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Beryllium	0.167	J	0.0338	0.215	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Cadmium	0.219	J	0.0506	0.537	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Chromium	12.8		0.143	1.07	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Cobalt	5.63		0.0871	1.07	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Copper	30.8		0.430	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Lead	58.6		0.223	0.537	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Molybdenum	0.249	J	0.117	0.537	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Nickel	18.3		0.142	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Selenium	1.10	J	0.821	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Vanadium	20.7		0.543	2.15	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-2.0	L1741921-69	Zinc	86.7		0.894	5.37	1	06/11/2024 18:34	WG2299845
G/BS-H1-1-3.0	L1741921-70	Antimony	1.68	J	0.722	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Arsenic	3.72		0.687	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Barium	323		0.113	0.663	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Beryllium	0.785		0.0418	0.265	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Cadmium	0.145	J	0.0625	0.663	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Chromium	44.6		0.176	1.33	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Cobalt	14.5		0.108	1.33	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Copper	35.7		0.531	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Lead	33.1		0.276	0.663	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Nickel	62.0		0.175	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Selenium	2.40	J	1.01	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Vanadium	50.7		0.671	2.65	1	06/11/2024 18:37	WG2299845
G/BS-H1-1-3.0	L1741921-70	Zinc	66.0		1.10	6.63	1	06/11/2024 18:37	WG2299845

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
EB-053024	L1741921-55	TPHG C5 - C12	76.0	B J	30.4	100	1	06/12/2024 03:27	WG2303210

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-4.0	L1741921-04	TPHG C5 - C12	2.73	B J	1.75	5.27	34	06/13/2024 00:35	WG2303940
G/UC-I2-1-8.0	L1741921-06	TPHG C5 - C12	1.54	B J	1.36	4.10	25	06/13/2024 09:52	WG2304284
G/UC-H4-1-3.0	L1741921-10	TPHG C5 - C12	4.95	B	1.05	3.16	25	06/10/2024 15:40	WG2302200
G/UC-H4-1-5.0	L1741921-12	TPHG C5 - C12	1.34	B J	1.13	3.40	25	06/10/2024 15:59	WG2302200
G-H3-1-3.0	L1741921-15	TPHG C5 - C12	1.89	B J	1.29	3.88	25	06/10/2024 16:19	WG2302200
G-H3-1-5.0	L1741921-17	TPHG C5 - C12	2.03	B J	1.49	4.48	25	06/10/2024 16:38	WG2302200
UC-H1-1-3.0	L1741921-20	TPHG C5 - C12	2.75	J	1.44	4.33	25	06/05/2024 23:08	WG2299409
UC-H1-1-4.0	L1741921-21	TPHG C5 - C12	6.15	B	1.43	4.30	25	06/13/2024 10:50	WG2304284
UC-H1-1-5.0	L1741921-22	TPHG C5 - C12	7.13		1.33	4.01	25	06/05/2024 23:30	WG2299409
UC-H1-1-8.0	L1741921-23	TPHG C5 - C12	10.0	B	1.41	4.26	25	06/13/2024 11:09	WG2304284
BS-I3-1-4.0	L1741921-28	TPHG C5 - C12	1.49	B J	1.28	3.84	25	06/13/2024 11:29	WG2304284
BS-I3-1-5.0	L1741921-29	TPHG C5 - C12	1.48	J	1.27	3.82	25	06/06/2024 00:13	WG2299409
G-H2-1-3.0	L1741921-33	TPHG C5 - C12	2.17	J	1.11	3.35	25	06/06/2024 00:34	WG2299409
G-H2-1-4.0	L1741921-34	TPHG C5 - C12	3.03	B J	1.13	3.41	25	06/13/2024 11:48	WG2304284
G/UC-I4-1-3.0	L1741921-38	TPHG C5 - C12	2.49	J	1.17	3.51	25.3	06/06/2024 01:17	WG2299409
G/UC-I4-1-4.0	L1741921-39	TPHG C5 - C12	1.34	B J	1.25	3.77	25	06/13/2024 12:08	WG2304284
BS-I1-1-3.0	L1741921-45	TPHG C5 - C12	1.21	J	1.13	3.42	25	06/06/2024 02:00	WG2299409

DETECTION SUMMARY

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-I1-1-4.0	L1741921-46	TPHG C5 - C12	5.13	B J	1.83	5.50	30.3	06/13/2024 03:17	WG2304093
BS-I1-1-5.0	L1741921-47	TPHG C5 - C12	1.83	J	1.41	4.24	25.5	06/06/2024 02:22	WG2299409
G/UC-I3-1-3.0	L1741921-50	TPHG C5 - C12	1.17	J	1.16	3.49	25	06/06/2024 02:43	WG2299409
G/UC-I3-1-4.0	L1741921-51	TPHG C5 - C12	1.79	B J	1.35	4.06	27.5	06/13/2024 03:40	WG2304093
G/UC-I3-1-8.0	L1741921-53	TPHG C5 - C12	1.48	B J	1.42	4.29	25	06/13/2024 04:03	WG2304093
BS-I2-1-3.0	L1741921-58	TPHG C5 - C12	2.39	J	1.28	3.86	25	06/06/2024 03:26	WG2299409
BS-I2-1-4.0	L1741921-59	TPHG C5 - C12	2.17	B J	1.27	3.82	25.5	06/13/2024 04:26	WG2304093
G/UC-I1-1-3.0	L1741921-63	TPHG C5 - C12	1.56	J	1.38	4.16	25	06/06/2024 04:10	WG2299409
G/UC-I1-1-4.0	L1741921-64	TPHG C5 - C12	1.85	B J	1.51	4.54	28	06/13/2024 04:49	WG2304093
G/UC-I1-1-8.0	L1741921-66	TPHG C5 - C12	1.30	B J	1.22	3.69	25	06/13/2024 05:12	WG2304093
G/BS-H1-1-3.0	L1741921-70	TPHG C5 - C12	348		2.98	8.99	55.5	06/11/2024 13:29	WG2302673
G/BS-H1-1-4.0	L1741921-71	TPHG C5 - C12	34.4		1.36	4.10	25.3	06/13/2024 14:02	WG2304524
G/BS-H1-1-5.0	L1741921-72	TPHG C5 - C12	45.7		1.33	4.00	25	06/06/2024 05:14	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-2.0	L1741921-02	Chlorobenzene	0.00114	J	0.000257	0.00306	1	06/11/2024 12:04	WG2302420
G/UC-I2-1-2.0	L1741921-02	Toluene	0.00165	J	0.00159	0.00613	1	06/11/2024 12:04	WG2302420
G/UC-I2-1-2.0	L1741921-02	1,2,4-Trimethylbenzene	0.00240	J	0.00194	0.00613	1	06/11/2024 12:04	WG2302420
G/UC-I2-1-2.0	L1741921-02	Xylenes, Total	0.00192	J	0.00108	0.00797	1	06/11/2024 12:04	WG2302420
G/UC-I2-1-4.0	L1741921-04	Tetrachloroethene	0.00242	J	0.00189	0.00527	1.36	06/13/2024 01:00	WG2304049
G/UC-I2-1-10.0	L1741921-07	Toluene	0.00220	J	0.00190	0.00730	1	06/11/2024 12:48	WG2302420
G/UC-I2-1-10.0	L1741921-07	Xylenes, Total	0.00153	J	0.00128	0.00949	1	06/11/2024 12:48	WG2302420
G/UC-H4-1-2.0	L1741921-09	p-Isopropyltoluene	0.00654	J	0.00334	0.00655	1	06/11/2024 13:10	WG2302420
G/UC-H4-1-2.0	L1741921-09	1,2,4-Trimethylbenzene	0.00257	J	0.00207	0.00655	1	06/11/2024 13:10	WG2302420
G/UC-H4-1-2.0	L1741921-09	Xylenes, Total	0.00148	J	0.00115	0.00852	1	06/11/2024 13:10	WG2302420
G-H3-1-2.0	L1741921-14	Carbon tetrachloride	0.00817	J	0.00222	0.0124	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	1,1-Dichloroethane	0.0640		0.00121	0.00618	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	Naphthalene	0.0143	J	0.0121	0.0309	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	Tetrachloroethene	0.00327	J	0.00221	0.00618	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	Toluene	0.00405	J	0.00321	0.0124	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	1,1,1-Trichloroethane	0.0717		0.00229	0.00618	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	Trichloroethene	0.0831		0.00145	0.00247	2	06/13/2024 00:28	WG2303955
G-H3-1-2.0	L1741921-14	Xylenes, Total	0.00551	J	0.00217	0.0161	2	06/13/2024 00:28	WG2303955
G-H3-1-3.0	L1741921-15	Benzene	0.00115	J	0.000725	0.00155	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	Chlorobenzene	0.000866	J	0.000326	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	1,2-Dichlorobenzene	0.00108	J	0.000660	0.00776	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	1,1-Dichloroethane	0.118		0.000762	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	1,1-Dichloroethene	0.00357	J	0.000941	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	cis-1,2-Dichloroethene	0.00343	J	0.00114	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	Tetrachloroethene	0.00425		0.00139	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	Toluene	0.00206	J	0.00202	0.00776	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	1,1,1-Trichloroethane	0.0419		0.00143	0.00388	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	Trichloroethene	0.145		0.000907	0.00155	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	1,2,4-Trimethylbenzene	0.00329	J	0.00245	0.00776	1	06/11/2024 13:54	WG2302420
G-H3-1-3.0	L1741921-15	Xylenes, Total	0.00256	J	0.00137	0.0101	1	06/11/2024 13:54	WG2302420
UC-H1-1-2.0	L1741921-19	Benzene	0.00115	J	0.000620	0.00133	1	06/11/2024 14:38	WG2302420
UC-H1-1-2.0	L1741921-19	1,2,4-Trimethylbenzene	0.00369	J	0.00210	0.00664	1	06/11/2024 14:38	WG2302420
UC-H1-1-2.0	L1741921-19	1,2,3-Trimethylbenzene	0.00244	J	0.00210	0.00664	1	06/11/2024 14:38	WG2302420
UC-H1-1-2.0	L1741921-19	Xylenes, Total	0.00480	J	0.00117	0.00864	1	06/11/2024 14:38	WG2302420
UC-H1-1-4.0	L1741921-21	1,1-Dichloroethane	0.00234	J	0.000844	0.00430	1	06/13/2024 02:18	WG2304049
UC-H1-1-4.0	L1741921-21	1,1,1-Trichloroethane	0.00203	J	0.00159	0.00430	1	06/13/2024 02:18	WG2304049
UC-H1-1-4.0	L1741921-21	Trichloroethene	0.00170	J	0.00100	0.00172	1	06/13/2024 02:18	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
UC-H1-1-5.0	L1741921-22	Benzene	0.000794	J	0.000749	0.00160	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	Ethylbenzene	0.00135	J	0.00118	0.00401	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	Isopropylbenzene	0.00274	J	0.000681	0.00401	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	p-Isopropyltoluene	0.00632	J	0.00409	0.00802	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	Toluene	0.00309	J	0.00208	0.00802	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	1,2,4-Trimethylbenzene	0.0159		0.00253	0.00802	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	1,2,3-Trimethylbenzene	0.00694	J	0.00253	0.00802	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	1,3,5-Trimethylbenzene	0.0160		0.00321	0.00802	1	06/11/2024 20:26	WG2303115
UC-H1-1-5.0	L1741921-22	Xylenes, Total	0.101		0.00141	0.0104	1	06/11/2024 20:26	WG2303115
UC-H1-1-8.0	L1741921-23	Benzene	0.000964	J	0.000795	0.00170	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	Isopropylbenzene	0.00305	J	0.000724	0.00426	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	p-Isopropyltoluene	0.00877		0.00434	0.00851	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	4-Methyl-2-pentanone (MIBK)	0.00972	J	0.00388	0.0426	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	n-Propylbenzene	0.00189	J	0.00162	0.00851	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	1,2,4-Trimethylbenzene	0.00797	J	0.00269	0.00851	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	1,2,3-Trimethylbenzene	0.00562	J	0.00269	0.00851	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	1,3,5-Trimethylbenzene	0.0108		0.00341	0.00851	1	06/13/2024 02:38	WG2304049
UC-H1-1-8.0	L1741921-23	Xylenes, Total	0.116		0.00150	0.0111	1	06/13/2024 02:38	WG2304049
BS-I3-1-4.0	L1741921-28	Xylenes, Total	0.00217	J	0.00135	0.00999	1	06/13/2024 02:58	WG2304049
G-H2-1-2.0	L1741921-32	Benzene	0.0306		0.000659	0.00141	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	n-Butylbenzene	0.0165	J	0.00741	0.0176	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	sec-Butylbenzene	0.00559	J	0.00406	0.0176	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Chlorobenzene	0.00117	J	0.000296	0.00353	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,2-Dichlorobenzene	0.0193		0.000600	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,3-Dichlorobenzene	0.00111	J	0.000847	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,4-Dichlorobenzene	0.00433	J	0.000988	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,1-Dichloroethane	0.00905		0.000693	0.00353	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	cis-1,2-Dichloroethene	0.00490		0.00104	0.00353	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Ethylbenzene	0.0203		0.00104	0.00353	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Isopropylbenzene	0.00368		0.000600	0.00353	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	p-Isopropyltoluene	0.0164		0.00360	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Naphthalene	0.0762		0.00689	0.0176	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	n-Propylbenzene	0.0164		0.00134	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Toluene	0.0344		0.00183	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Trichloroethene	0.00436		0.000824	0.00141	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,2,4-Trimethylbenzene	0.0505		0.00223	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,2,3-Trimethylbenzene	0.0231		0.00223	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	1,3,5-Trimethylbenzene	0.00902		0.00282	0.00706	1	06/11/2024 21:41	WG2303115
G-H2-1-2.0	L1741921-32	Xylenes, Total	0.0982		0.00124	0.00917	1	06/11/2024 21:41	WG2303115
G-H2-1-3.0	L1741921-33	Benzene	0.00287		0.000626	0.00134	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Carbon tetrachloride	0.00322	J	0.00120	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	1,2-Dichlorobenzene	0.000869	J	0.000570	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Ethylbenzene	0.00287	J	0.000989	0.00335	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Isopropylbenzene	0.00122	J	0.000570	0.00335	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	p-Isopropyltoluene	0.00483	J	0.00342	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Naphthalene	0.0286		0.00655	0.0168	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	n-Propylbenzene	0.00287	J	0.00127	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Tetrachloroethene	0.00370		0.00120	0.00335	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Toluene	0.00975		0.00174	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	1,1,1-Trichloroethane	0.0330		0.00124	0.00335	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	1,2,4-Trimethylbenzene	0.0182		0.00212	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	1,2,3-Trimethylbenzene	0.0115		0.00212	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	1,3,5-Trimethylbenzene	0.00773		0.00268	0.00671	1	06/11/2024 22:01	WG2303115
G-H2-1-3.0	L1741921-33	Xylenes, Total	0.0239		0.00118	0.00872	1	06/11/2024 22:01	WG2303115
G-H2-1-4.0	L1741921-34	Methylene Chloride	0.0103	J	0.00907	0.0341	1	06/13/2024 03:17	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I4-1-2.0	L1741921-37	Benzene	0.000792	J	0.000562	0.00120	1	06/11/2024 22:38	WG2303115
G/UC-I4-1-2.0	L1741921-37	Naphthalene	0.0165		0.00587	0.0150	1	06/11/2024 22:38	WG2303115
G/UC-I4-1-2.0	L1741921-37	Toluene	0.00193	J	0.00156	0.00602	1	06/11/2024 22:38	WG2303115
G/UC-I4-1-2.0	L1741921-37	1,1,1-Trichloroethane	0.00136	J	0.00111	0.00301	1	06/11/2024 22:38	WG2303115
G/UC-I4-1-2.0	L1741921-37	Xylenes, Total	0.00110	J	0.00106	0.00782	1	06/11/2024 22:38	WG2303115
G/UC-I4-1-4.0	L1741921-39	Benzene	0.00241		0.000704	0.00151	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,2-Dichlorobenzene	0.0225		0.000641	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,4-Dichlorobenzene	0.0175		0.00106	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,1-Dichloroethane	0.00249	J	0.000741	0.00377	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	Ethylbenzene	0.00674		0.00111	0.00377	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	Isopropylbenzene	0.00261	J	0.000641	0.00377	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	p-Isopropyltoluene	0.00554	J	0.00385	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	Naphthalene	0.0300	J3	0.00736	0.0189	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	n-Propylbenzene	0.0140		0.00143	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	Toluene	0.0119		0.00196	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,2,4-Trimethylbenzene	0.0869		0.00238	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,2,3-Trimethylbenzene	0.0228		0.00238	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	1,3,5-Trimethylbenzene	0.0269		0.00302	0.00754	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-4.0	L1741921-39	Xylenes, Total	0.0637		0.00133	0.00980	1	06/13/2024 03:37	WG2304049
G/UC-I4-1-10.0	L1741921-42	Methyl tert-butyl ether	0.00147	J	0.000628	0.00180	1	06/11/2024 23:16	WG2303115
BS-I1-1-2.0	L1741921-44	Toluene	0.00217	J	0.00149	0.00574	1	06/11/2024 23:35	WG2303115
BS-I1-1-2.0	L1741921-44	1,1,1-Trichloroethane	0.00855		0.00106	0.00287	1	06/11/2024 23:35	WG2303115
BS-I1-1-3.0	L1741921-45	Toluene	0.00209	J	0.00178	0.00684	1	06/11/2024 23:54	WG2303115
BS-I1-1-3.0	L1741921-45	1,1,1-Trichloroethane	0.0130		0.00126	0.00342	1	06/11/2024 23:54	WG2303115
BS-I1-1-3.0	L1741921-45	Xylenes, Total	0.00129	J	0.00120	0.00889	1	06/11/2024 23:54	WG2303115
BS-I1-1-4.0	L1741921-46	cis-1,2-Dichloroethene	0.00209	J	0.00161	0.00550	1.21	06/13/2024 04:15	WG2304049
BS-I1-1-5.0	L1741921-47	1,1,1-Trichloroethane	0.00165	J	0.00156	0.00424	1.02	06/12/2024 00:13	WG2303115
G/UC-I3-1-2.0	L1741921-49	Benzene	0.00153	J	0.000728	0.00156	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	Ethylbenzene	0.00135	J	0.00115	0.00390	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	Naphthalene	0.0644		0.00761	0.0195	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	Toluene	0.00756	J	0.00203	0.00780	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	1,2,4-Trimethylbenzene	0.00504	J	0.00246	0.00780	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	1,2,3-Trimethylbenzene	0.00390	J	0.00246	0.00780	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-2.0	L1741921-49	Xylenes, Total	0.0120		0.00137	0.0101	1	06/11/2024 19:26	WG2303036
G/UC-I3-1-4.0	L1741921-51	Methylene Chloride	0.0146	J	0.0108	0.0406	1.1	06/13/2024 04:35	WG2304049
G/UC-I3-1-4.0	L1741921-51	Toluene	0.00248	J	0.00211	0.00812	1.1	06/13/2024 04:35	WG2304049
G/UC-I3-1-5.0	L1741921-52	Toluene	0.00449	J	0.00184	0.00709	1	06/11/2024 19:45	WG2303036
G/UC-I3-1-5.0	L1741921-52	Xylenes, Total	0.00171	J	0.00125	0.00921	1	06/11/2024 19:45	WG2303036
BS-I2-1-2.0	L1741921-57	n-Butylbenzene	0.00999	J	0.00648	0.0154	1	06/11/2024 20:24	WG2303036
BS-I2-1-2.0	L1741921-57	tert-Butylbenzene	0.00345	J	0.00241	0.00617	1	06/11/2024 20:24	WG2303036
BS-I2-1-2.0	L1741921-57	1,2,4-Trimethylbenzene	0.00200	J	0.00195	0.00617	1	06/11/2024 20:24	WG2303036
BS-I2-1-2.0	L1741921-57	Xylenes, Total	0.00209	J	0.00109	0.00802	1	06/11/2024 20:24	WG2303036
BS-I2-1-3.0	L1741921-58	2-Chlorotoluene	0.0112		0.00134	0.00386	1	06/11/2024 20:43	WG2303036
BS-I2-1-3.0	L1741921-58	Isopropylbenzene	0.00769		0.000656	0.00386	1	06/11/2024 20:43	WG2303036
BS-I2-1-3.0	L1741921-58	n-Propylbenzene	0.00165	J	0.00147	0.00772	1	06/11/2024 20:43	WG2303036
BS-I2-1-3.0	L1741921-58	Xylenes, Total	0.00222	J	0.00136	0.0100	1	06/11/2024 20:43	WG2303036
BS-I2-1-4.0	L1741921-59	Isopropylbenzene	0.00145	J	0.000649	0.00382	1.02	06/13/2024 03:08	WG2304116
BS-I2-1-4.0	L1741921-59	Methylene Chloride	0.0157	J	0.0101	0.0382	1.02	06/13/2024 03:08	WG2304116
BS-I2-1-4.0	L1741921-59	Toluene	0.00367	J	0.00199	0.00764	1.02	06/13/2024 03:08	WG2304116
BS-I2-1-5.0	L1741921-60	2-Chlorotoluene	0.00285	J	0.00142	0.00410	1	06/11/2024 21:02	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I1-1-2.0	L1741921-62	Benzene	0.00219		0.000720	0.00154	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	Ethylbenzene	0.00247	J	0.00114	0.00385	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	Methylene Chloride	0.0311	J	0.0102	0.0385	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	Naphthalene	0.0132	J	0.00752	0.0193	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	n-Propylbenzene	0.00351	J	0.00146	0.00771	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	Toluene	0.00752	J	0.00201	0.00771	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	1,2,4-Trimethylbenzene	0.00501	B J	0.00243	0.00771	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	1,2,3-Trimethylbenzene	0.00355	J	0.00243	0.00771	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-2.0	L1741921-62	Xylenes, Total	0.00714	J	0.00136	0.0100	1.16	06/13/2024 02:28	WG2303979
G/UC-I1-1-4.0	L1741921-64	Ethylbenzene	0.00381	J	0.00134	0.00454	1.12	06/13/2024 03:28	WG2304116
G/UC-I1-1-4.0	L1741921-64	Methylene Chloride	0.0389	J	0.0121	0.0454	1.12	06/13/2024 03:28	WG2304116
G/UC-I1-1-4.0	L1741921-64	Toluene	0.0103		0.00237	0.00908	1.12	06/13/2024 03:28	WG2304116
G/UC-I1-1-4.0	L1741921-64	Xylenes, Total	0.0185		0.00160	0.0118	1.12	06/13/2024 03:28	WG2304116
G/BS-H1-1-2.0	L1741921-69	Benzene	0.00850		0.000544	0.00117	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	Ethylbenzene	0.00371		0.000859	0.00291	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	Isopropylbenzene	0.00559		0.000495	0.00291	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	p-Isopropyltoluene	0.00302	J	0.00297	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	n-Propylbenzene	0.00327	J	0.00111	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	Toluene	0.00677		0.00151	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	1,2,4-Trimethylbenzene	0.00894		0.00184	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	1,2,3-Trimethylbenzene	0.00509	J	0.00184	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	1,3,5-Trimethylbenzene	0.00861		0.00233	0.00583	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-2.0	L1741921-69	Xylenes, Total	0.0556		0.00103	0.00757	1	06/11/2024 21:59	WG2303036
G/BS-H1-1-3.0	L1741921-70	Benzene	0.0110	J	0.00627	0.0134	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	sec-Butylbenzene	0.0583	J	0.0385	0.168	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	Ethylbenzene	0.0769		0.00989	0.0335	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	Isopropylbenzene	0.226		0.00570	0.0335	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	n-Propylbenzene	0.167		0.0127	0.0670	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	Toluene	0.0880		0.0174	0.0670	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	1,2,4-Trimethylbenzene	0.0434	J	0.0211	0.0670	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	1,2,3-Trimethylbenzene	0.0932		0.0211	0.0670	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-3.0	L1741921-70	Xylenes, Total	0.300		0.0118	0.0871	8	06/11/2024 22:55	WG2303036
G/BS-H1-1-4.0	L1741921-71	Benzene	0.0188		0.000765	0.00164	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	n-Butylbenzene	0.0758		0.00859	0.0204	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	sec-Butylbenzene	0.0561		0.00472	0.0204	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	Ethylbenzene	0.00716		0.00121	0.00410	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	Isopropylbenzene	0.102		0.000695	0.00410	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	p-Isopropyltoluene	0.0212		0.00418	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	Naphthalene	0.0141	J	0.00799	0.0204	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	n-Propylbenzene	0.306		0.00155	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	Toluene	0.0238		0.00212	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	1,2,4-Trimethylbenzene	0.0335		0.00259	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	1,2,3-Trimethylbenzene	0.0198		0.00259	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	1,3,5-Trimethylbenzene	0.0280		0.00327	0.00818	1.01	06/13/2024 04:09	WG2304116
G/BS-H1-1-4.0	L1741921-71	Xylenes, Total	0.0924		0.00144	0.0106	1.01	06/13/2024 04:09	WG2304116

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-H1-1-5.0	L1741921-72	Benzene	0.0897		0.000746	0.00160	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	n-Butylbenzene	0.145		0.00839	0.0200	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	sec-Butylbenzene	0.0564		0.00460	0.0200	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	Ethylbenzene	0.00639		0.00118	0.00400	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	Isopropylbenzene	0.109		0.000679	0.00400	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	p-Isopropyltoluene	0.0121		0.00408	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	Naphthalene	0.0766		0.00780	0.0200	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	n-Propylbenzene	0.323		0.00152	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	Toluene	0.00918		0.00208	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	1,2,4-Trimethylbenzene	0.00788	J	0.00253	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	1,2,3-Trimethylbenzene	0.00903		0.00253	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	1,3,5-Trimethylbenzene	0.00449	J	0.00320	0.00799	1	06/11/2024 23:13	WG2303036
G/BS-H1-1-5.0	L1741921-72	Xylenes, Total	0.0301		0.00141	0.0104	1	06/11/2024 23:13	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-3.0	L1741921-03	C12-C22 Hydrocarbons	3.71	J	0.968	5.28	1	06/11/2024 18:18	WG2302178
G/UC-I2-1-3.0	L1741921-03	C22-C32 Hydrocarbons	6.55		1.76	5.28	1	06/11/2024 18:18	WG2302178
G/UC-I2-1-3.0	L1741921-03	C32-C40 Hydrocarbons	4.83	J	1.76	5.28	1	06/11/2024 18:18	WG2302178
G/UC-I2-1-4.0	L1741921-04	C12-C22 Hydrocarbons	2.15	J	0.965	5.27	1	06/14/2024 03:56	WG2304127
G/UC-I2-1-4.0	L1741921-04	C22-C32 Hydrocarbons	2.94	J	1.75	5.27	1	06/14/2024 03:56	WG2304127
G/UC-I2-1-5.0	L1741921-05	C12-C22 Hydrocarbons	4.96	J	0.966	5.27	1	06/11/2024 15:10	WG2302178
G/UC-I2-1-5.0	L1741921-05	C22-C32 Hydrocarbons	9.33		1.75	5.27	1	06/11/2024 15:10	WG2302178
G/UC-I2-1-5.0	L1741921-05	C32-C40 Hydrocarbons	7.99		1.75	5.27	1	06/11/2024 15:10	WG2302178
G/UC-H4-1-3.0	L1741921-10	C12-C22 Hydrocarbons	8.08		0.830	4.53	1	06/11/2024 19:30	WG2302178
G/UC-H4-1-3.0	L1741921-10	C22-C32 Hydrocarbons	51.5		1.51	4.53	1	06/11/2024 19:30	WG2302178
G/UC-H4-1-3.0	L1741921-10	C32-C40 Hydrocarbons	36.0		1.51	4.53	1	06/11/2024 19:30	WG2302178
G-H3-1-3.0	L1741921-15	C12-C22 Hydrocarbons	310		37.1	203	40	06/11/2024 20:42	WG2302178
G-H3-1-3.0	L1741921-15	C22-C32 Hydrocarbons	2280		67.4	203	40	06/11/2024 20:42	WG2302178
G-H3-1-3.0	L1741921-15	C32-C40 Hydrocarbons	1170		67.4	203	40	06/11/2024 20:42	WG2302178
G-H3-1-4.0	L1741921-16	C12-C22 Hydrocarbons	17.8		0.905	4.94	1	06/14/2024 04:25	WG2304127
G-H3-1-4.0	L1741921-16	C22-C32 Hydrocarbons	57.2		1.64	4.94	1	06/14/2024 04:25	WG2304127
G-H3-1-4.0	L1741921-16	C32-C40 Hydrocarbons	22.0		1.64	4.94	1	06/14/2024 04:25	WG2304127
G-H3-1-5.0	L1741921-17	C12-C22 Hydrocarbons	22.3	J6	0.992	5.41	1	06/11/2024 13:43	WG2302178
G-H3-1-5.0	L1741921-17	C22-C32 Hydrocarbons	42.6	J3 J6	1.80	5.41	1	06/11/2024 13:43	WG2302178
G-H3-1-5.0	L1741921-17	C32-C40 Hydrocarbons	20.7		1.80	5.41	1	06/11/2024 13:43	WG2302178
UC-H1-1-3.0	L1741921-20	C12-C22 Hydrocarbons	3.17	J	0.993	5.42	1	06/11/2024 18:47	WG2302178
UC-H1-1-3.0	L1741921-20	C22-C32 Hydrocarbons	13.2		1.80	5.42	1	06/11/2024 18:47	WG2302178
UC-H1-1-3.0	L1741921-20	C32-C40 Hydrocarbons	11.4		1.80	5.42	1	06/11/2024 18:47	WG2302178
UC-H1-1-4.0	L1741921-21	C12-C22 Hydrocarbons	2.30	J	0.974	5.31	1	06/14/2024 03:42	WG2304127
UC-H1-1-4.0	L1741921-21	C22-C32 Hydrocarbons	3.81	J	1.77	5.31	1	06/14/2024 03:42	WG2304127
UC-H1-1-5.0	L1741921-22	C12-C22 Hydrocarbons	1.46	J	0.953	5.20	1	06/11/2024 13:00	WG2302178
UC-H1-1-5.0	L1741921-22	C22-C32 Hydrocarbons	2.59	J	1.73	5.20	1	06/11/2024 13:00	WG2302178
UC-H1-1-5.0	L1741921-22	C32-C40 Hydrocarbons	2.28	J	1.73	5.20	1	06/11/2024 13:00	WG2302178
BS-I3-1-3.0	L1741921-27	C12-C22 Hydrocarbons	5.86	J	1.70	9.28	2	06/11/2024 22:59	WG2302178
BS-I3-1-3.0	L1741921-27	C22-C32 Hydrocarbons	47.0		3.08	9.28	2	06/11/2024 22:59	WG2302178
BS-I3-1-3.0	L1741921-27	C32-C40 Hydrocarbons	33.5		3.08	9.28	2	06/11/2024 22:59	WG2302178
BS-I3-1-4.0	L1741921-28	C22-C32 Hydrocarbons	1.68	J	1.65	4.97	1	06/14/2024 04:11	WG2304127
BS-I3-1-5.0	L1741921-29	C12-C22 Hydrocarbons	0.960	J	0.912	4.98	1	06/11/2024 14:55	WG2302178
BS-I3-1-5.0	L1741921-29	C22-C32 Hydrocarbons	2.25	J	1.65	4.98	1	06/11/2024 14:55	WG2302178
BS-I3-1-5.0	L1741921-29	C32-C40 Hydrocarbons	2.10	J	1.65	4.98	1	06/11/2024 14:55	WG2302178

DETECTION SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H2-1-3.0	L1741921-33	C12-C22 Hydrocarbons	27.7		0.856	4.67	1	06/13/2024 13:54	WG2303234
G-H2-1-3.0	L1741921-33	C22-C32 Hydrocarbons	38.4		1.55	4.67	1	06/13/2024 13:54	WG2303234
G-H2-1-3.0	L1741921-33	C32-C40 Hydrocarbons	21.5		1.55	4.67	1	06/13/2024 13:54	WG2303234
G-H2-1-4.0	L1741921-34	C12-C22 Hydrocarbons	87.3		0.866	4.73	1	06/14/2024 04:54	WG2304127
G-H2-1-4.0	L1741921-34	C22-C32 Hydrocarbons	490		15.7	47.3	10	06/14/2024 18:34	WG2304127
G-H2-1-4.0	L1741921-34	C32-C40 Hydrocarbons	220		15.7	47.3	10	06/14/2024 18:34	WG2304127
G-H2-1-5.0	L1741921-35	C12-C22 Hydrocarbons	325		46.7	255	50	06/13/2024 15:21	WG2303234
G-H2-1-5.0	L1741921-35	C22-C32 Hydrocarbons	2390		84.6	255	50	06/13/2024 15:21	WG2303234
G-H2-1-5.0	L1741921-35	C32-C40 Hydrocarbons	1250		84.6	255	50	06/13/2024 15:21	WG2303234
G/UC-I4-1-3.0	L1741921-38	C12-C22 Hydrocarbons	11.1		0.877	4.78	1	06/13/2024 14:08	WG2303234
G/UC-I4-1-3.0	L1741921-38	C22-C32 Hydrocarbons	33.6		1.59	4.78	1	06/13/2024 14:08	WG2303234
G/UC-I4-1-3.0	L1741921-38	C32-C40 Hydrocarbons	19.5		1.59	4.78	1	06/13/2024 14:08	WG2303234
G/UC-I4-1-4.0	L1741921-39	C12-C22 Hydrocarbons	1.65	J	0.894	4.88	1	06/14/2024 18:06	WG2304127
G/UC-I4-1-4.0	L1741921-39	C22-C32 Hydrocarbons	6.33		1.62	4.88	1	06/14/2024 18:06	WG2304127
G/UC-I4-1-4.0	L1741921-39	C32-C40 Hydrocarbons	4.21	J	1.62	4.88	1	06/14/2024 18:06	WG2304127
BS-I1-1-3.0	L1741921-45	C22-C32 Hydrocarbons	134		31.3	94.3	20	06/13/2024 20:17	WG2303234
BS-I1-1-3.0	L1741921-45	C32-C40 Hydrocarbons	153		31.3	94.3	20	06/13/2024 20:17	WG2303234
BS-I1-1-4.0	L1741921-46	C12-C22 Hydrocarbons	90.5	J	42.3	231	40	06/14/2024 18:20	WG2304127
BS-I1-1-4.0	L1741921-46	C22-C32 Hydrocarbons	451		76.9	231	40	06/14/2024 18:20	WG2304127
BS-I1-1-4.0	L1741921-46	C32-C40 Hydrocarbons	318		76.9	231	40	06/14/2024 18:20	WG2304127
BS-I1-1-5.0	L1741921-47	C12-C22 Hydrocarbons	132		4.90	26.7	5	06/13/2024 14:52	WG2303234
BS-I1-1-5.0	L1741921-47	C22-C32 Hydrocarbons	275		8.87	26.7	5	06/13/2024 14:52	WG2303234
BS-I1-1-5.0	L1741921-47	C32-C40 Hydrocarbons	124		8.87	26.7	5	06/13/2024 14:52	WG2303234
G/UC-I3-1-3.0	L1741921-50	C12-C22 Hydrocarbons	2.06	J	0.877	4.78	1	06/13/2024 13:11	WG2303234
G/UC-I3-1-3.0	L1741921-50	C22-C32 Hydrocarbons	4.96		1.59	4.78	1	06/13/2024 13:11	WG2303234
G/UC-I3-1-3.0	L1741921-50	C32-C40 Hydrocarbons	3.95	J	1.59	4.78	1	06/13/2024 13:11	WG2303234
BS-I2-1-3.0	L1741921-58	C12-C22 Hydrocarbons	3.30	J	0.909	4.96	1	06/13/2024 12:13	WG2303234
BS-I2-1-3.0	L1741921-58	C22-C32 Hydrocarbons	6.00		1.65	4.96	1	06/13/2024 12:13	WG2303234
BS-I2-1-3.0	L1741921-58	C32-C40 Hydrocarbons	3.70	J	1.65	4.96	1	06/13/2024 12:13	WG2303234
BS-I2-1-4.0	L1741921-59	C12-C22 Hydrocarbons	1.23	J	0.917	5.01	1	06/14/2024 01:18	WG2304127
BS-I2-1-5.0	L1741921-60	C12-C22 Hydrocarbons	1.23	J	0.945	5.15	1	06/13/2024 11:29	WG2303234
G/UC-I1-1-3.0	L1741921-63	C12-C22 Hydrocarbons	3.80	J	0.973	5.31	1	06/13/2024 14:23	WG2303234
G/UC-I1-1-3.0	L1741921-63	C22-C32 Hydrocarbons	19.6		1.77	5.31	1	06/13/2024 14:23	WG2303234
G/UC-I1-1-3.0	L1741921-63	C32-C40 Hydrocarbons	18.7		1.77	5.31	1	06/13/2024 14:23	WG2303234
G/UC-I1-1-5.0	L1741921-65	C12-C22 Hydrocarbons	2.42	J	0.962	5.25	1	06/13/2024 12:27	WG2303234
G/UC-I1-1-5.0	L1741921-65	C22-C32 Hydrocarbons	2.72	J	1.75	5.25	1	06/13/2024 12:27	WG2303234
G/UC-I1-1-5.0	L1741921-65	C32-C40 Hydrocarbons	2.26	J	1.75	5.25	1	06/13/2024 12:27	WG2303234
G/BS-H1-1-3.0	L1741921-70	C12-C22 Hydrocarbons	6.59		0.972	5.31	1	06/13/2024 13:25	WG2303234
G/BS-H1-1-3.0	L1741921-70	C22-C32 Hydrocarbons	28.7		1.76	5.31	1	06/13/2024 13:25	WG2303234
G/BS-H1-1-3.0	L1741921-70	C32-C40 Hydrocarbons	11.7		1.76	5.31	1	06/13/2024 13:25	WG2303234
G/BS-H1-1-4.0	L1741921-71	C12-C22 Hydrocarbons	3.14	J	0.962	5.25	1	06/14/2024 03:13	WG2304127
G/BS-H1-1-4.0	L1741921-71	C22-C32 Hydrocarbons	3.39	J	1.75	5.25	1	06/14/2024 03:13	WG2304127
G/BS-H1-1-5.0	L1741921-72	C12-C22 Hydrocarbons	4.50	J	0.945	5.16	1	06/13/2024 11:58	WG2303234
G/BS-H1-1-5.0	L1741921-72	C22-C32 Hydrocarbons	2.90	J	1.71	5.16	1	06/13/2024 11:58	WG2303234

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H3-1-1.0	L1741921-13	PCB 1260	1.12		0.0405	0.0933	5	06/19/2024 01:23	WG2303247
G-H3-1-2.0	L1741921-14	PCB 1260	1.40		0.0410	0.0945	5	06/14/2024 16:12	WG2303247
G-H3-1-3.0	L1741921-15	PCB 1260	0.997		0.00934	0.0215	1	07/01/2024 23:17	WG2314791
BS-I3-1-1.0	L1741921-25	PCB 1260	0.0405		0.00849	0.0196	1	06/19/2024 00:44	WG2303247
G-H2-1-1.0	L1741921-31	PCB 1260	2.51		0.0859	0.198	10	06/21/2024 02:20	WG2304583
G/UC-I4-1-1.0	L1741921-36	PCB 1260	0.0926	P	0.00852	0.0196	1	06/19/2024 00:54	WG2303247

DETECTION SUMMARY

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I3-1-1.0	L1741921-48	PCB 1260	0.0456	P	0.00822	0.0189	1	06/19/2024 01:04	WG2303247
G/UC-I3-1-2.0	L1741921-49	PCB 1260	0.00969	J	0.00935	0.0215	1	07/01/2024 23:43	WG2314791
BS-I2-1-1.0	L1741921-56	PCB 1260	0.265		0.0167	0.0384	2	06/19/2024 23:10	WG2304583

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-I2-1-1.0	L1741921-01	Benzo(a)anthracene	0.214	J	0.0668	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Benzo(b)fluoranthene	0.499		0.0707	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Benzo(k)fluoranthene	0.125	J	0.0674	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Benzo(g,h,i)perylene	0.184	J	0.0693	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Benzo(a)pyrene	0.262	J	0.0705	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Chrysene	0.242	J	0.0754	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Fluoranthene	0.385		0.0684	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Indeno(1,2,3-cd)pyrene	0.165	J	0.107	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Naphthalene	0.206	J	0.0952	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Phenanthrene	0.268	J	0.0753	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Bis(2-ethylhexyl)phthalate	1.41	J	0.480	3.79	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-1.0	L1741921-01	Pyrene	0.417		0.0738	0.379	10	06/12/2024 12:08	WG2302475
G/UC-I2-1-4.0	L1741921-04	Acenaphthene	0.00916	J	0.00710	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Anthracene	0.0241	J	0.00781	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Benzo(a)anthracene	0.0540		0.00773	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Benzo(b)fluoranthene	0.0862		0.00818	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Benzo(k)fluoranthene	0.0287	J	0.00780	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Benzo(g,h,i)perylene	0.0420	J	0.00802	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Benzo(a)pyrene	0.0582		0.00815	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Chrysene	0.0545		0.00872	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Fluoranthene	0.0764		0.00791	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Fluorene	0.00936	J	0.00714	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Indeno(1,2,3-cd)pyrene	0.0370	J	0.0124	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Naphthalene	0.111		0.0110	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Phenanthrene	0.0841		0.00870	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Pyrene	0.0783		0.00853	0.0438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-4.0	L1741921-04	Phenol	0.0246	J	0.0176	0.438	1	06/13/2024 21:28	WG2304128
G/UC-I2-1-8.0	L1741921-06	Benzo(a)anthracene	0.125	J	0.0761	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Benzo(b)fluoranthene	0.397	J	0.0805	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Benzo(k)fluoranthene	0.102	J	0.0767	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Benzo(g,h,i)perylene	0.110	J	0.0789	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Benzo(a)pyrene	0.219	J	0.0802	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Chrysene	0.136	J	0.0858	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Fluoranthene	0.180	J	0.0779	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Naphthalene	0.209	J	0.108	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Phenanthrene	0.104	J	0.0857	0.432	10	06/14/2024 12:26	WG2304128
G/UC-I2-1-8.0	L1741921-06	Pyrene	0.253	J	0.0840	0.432	10	06/14/2024 12:26	WG2304128
G/UC-H4-1-2.0	L1741921-09	Benzo(a)anthracene	0.0484	J	0.0134	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Benzo(b)fluoranthene	0.0864		0.0142	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Benzo(k)fluoranthene	0.0282	J	0.0135	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Benzo(g,h,i)perylene	0.0153	J	0.0139	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Benzo(a)pyrene	0.0592	J	0.0142	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Chrysene	0.0593	J	0.0151	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Fluoranthene	0.0868		0.0137	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Phenanthrene	0.0340	J	0.0151	0.0761	2	06/11/2024 11:33	WG2301591
G/UC-H4-1-2.0	L1741921-09	Pyrene	0.0987		0.0148	0.0761	2	06/11/2024 11:33	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-H4-1-4.0	L1741921-11	Acenaphthene	0.0308	J	0.0135	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Acenaphthylene	0.171		0.0117	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Anthracene	0.199		0.0149	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Benzo(a)anthracene	0.929		0.0146	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Benzo(b)fluoranthene	1.28		0.0155	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Benzo(k)fluoranthene	0.460		0.0148	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Benzo(g,h,i)perylene	0.622		0.0153	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Benzo(a)pyrene	1.12		0.0155	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Chrysene	1.20		0.0165	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Dibenz(a,h)anthracene	0.180		0.0231	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Fluoranthene	1.41		0.0150	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Fluorene	0.0594	J	0.0135	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Indeno(1,2,3-cd)pyrene	0.669		0.0235	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Naphthalene	0.0254	J	0.0209	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Phenanthrene	0.806		0.0165	0.0833	2	06/13/2024 23:32	WG2304128
G/UC-H4-1-4.0	L1741921-11	Pyrene	1.66		0.0163	0.0833	2	06/13/2024 23:32	WG2304128
G-H3-1-1.0	L1741921-13	Acenaphthylene	0.124	J	0.0515	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Anthracene	0.0690	J	0.0651	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Benzo(a)anthracene	0.291	J	0.0644	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Benzo(b)fluoranthene	0.542		0.0681	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Benzo(k)fluoranthene	0.172	J	0.0650	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Benzo(g,h,i)perylene	0.335	J	0.0668	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Benzo(a)pyrene	0.404		0.0679	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Chrysene	0.357	J	0.0726	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Fluoranthene	0.311	J	0.0659	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Indeno(1,2,3-cd)pyrene	0.300	J	0.103	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Phenanthrene	0.189	J	0.0725	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-1.0	L1741921-13	Pyrene	0.422		0.0711	0.365	10	06/11/2024 06:49	WG2301591
G-H3-1-2.0	L1741921-14	Acenaphthylene	0.0415	J	0.0104	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Anthracene	0.0313	J	0.0132	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Benzo(a)anthracene	0.128		0.0130	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Benzo(b)fluoranthene	0.203		0.0138	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Benzo(k)fluoranthene	0.0840		0.0131	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Benzo(g,h,i)perylene	0.147		0.0136	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Benzo(a)pyrene	0.158		0.0138	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Chrysene	0.149		0.0147	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Dibenz(a,h)anthracene	0.0310	J	0.0206	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Fluoranthene	0.139		0.0133	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Indeno(1,2,3-cd)pyrene	0.136		0.0209	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Phenanthrene	0.0859		0.0147	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-2.0	L1741921-14	Pyrene	0.176		0.0145	0.0740	2	06/11/2024 04:20	WG2301591
G-H3-1-3.0	L1741921-15	Acenaphthylene	0.122	J	0.0594	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Benzo(a)anthracene	0.121	J	0.0743	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Benzo(b)fluoranthene	0.287	J	0.0786	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Benzo(k)fluoranthene	0.0841	J	0.0750	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Benzo(g,h,i)perylene	0.196	J	0.0771	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Benzo(a)pyrene	0.217	J	0.0784	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Chrysene	0.173	J	0.0838	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Fluoranthene	0.143	J	0.0761	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Indeno(1,2,3-cd)pyrene	0.203	J	0.119	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Phenanthrene	0.0904	J	0.0837	0.422	10	06/11/2024 07:10	WG2301591
G-H3-1-3.0	L1741921-15	Pyrene	0.220	J	0.0821	0.422	10	06/11/2024 07:10	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H3-1-4.0	L1741921-16	Acenaphthene	0.0117	J	0.00665	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Acenaphthylene	0.0376	J	0.00579	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Anthracene	0.0568		0.00732	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Benzo(a)anthracene	0.257		0.00725	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Benzo(b)fluoranthene	0.343		0.00767	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Benzo(k)fluoranthene	0.122		0.00731	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Benzo(g,h,i)perylene	0.174		0.00752	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Benzo(a)pyrene	0.290		0.00764	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Chrysene	0.327		0.00817	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Dibenz(a,h)anthracene	0.0473		0.0114	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Fluoranthene	0.374		0.00742	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Fluorene	0.0222	J	0.00669	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Indeno(1,2,3-cd)pyrene	0.174		0.0116	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Naphthalene	0.0246	J	0.0103	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Phenanthrene	0.225		0.00816	0.0411	1	06/13/2024 21:07	WG2304128
G-H3-1-4.0	L1741921-16	Pyrene	0.448		0.00800	0.0411	1	06/13/2024 21:07	WG2304128
UC-H1-1-1.0	L1741921-18	Benzo(b)fluoranthene	0.0170	J	0.0151	0.0812	2	06/11/2024 04:41	WG2301591
UC-H1-1-1.0	L1741921-18	Fluoranthene	0.0178	J	0.0146	0.0812	2	06/11/2024 04:41	WG2301591
UC-H1-1-1.0	L1741921-18	Phenanthrene	0.0309	J	0.0161	0.0812	2	06/11/2024 04:41	WG2301591
UC-H1-1-1.0	L1741921-18	Pyrene	0.0254	J	0.0159	0.0812	2	06/11/2024 04:41	WG2301591
UC-H1-1-2.0	L1741921-19	Benzo(a)anthracene	0.0271	J	0.0134	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Benzo(b)fluoranthene	0.0540	J	0.0142	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Benzo(a)pyrene	0.0269	J	0.0142	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Chrysene	0.0242	J	0.0151	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Fluoranthene	0.0461	J	0.0137	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Phenanthrene	0.0215	J	0.0151	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-2.0	L1741921-19	Pyrene	0.0643	J	0.0149	0.0763	2	06/11/2024 11:54	WG2301591
UC-H1-1-3.0	L1741921-20	Fluoranthene	0.0196	J	0.00814	0.0451	1	06/12/2024 03:47	WG2302475
UC-H1-1-3.0	L1741921-20	Naphthalene	0.0135	J	0.0113	0.0451	1	06/12/2024 03:47	WG2302475
UC-H1-1-3.0	L1741921-20	Phenanthrene	0.0130	J	0.00896	0.0451	1	06/12/2024 03:47	WG2302475
UC-H1-1-3.0	L1741921-20	Pyrene	0.0114	J	0.00878	0.0451	1	06/12/2024 03:47	WG2302475
UC-H1-1-8.0	L1741921-23	Benzo(b)fluoranthene	0.174	J	0.162	0.872	20	06/14/2024 11:21	WG2304128
BS-I3-1-1.0	L1741921-25	Benzo(b)fluoranthene	0.0175	J	0.0143	0.0766	2	06/12/2024 04:27	WG2302475
BS-I3-1-1.0	L1741921-25	Fluoranthene	0.0170	J	0.0138	0.0766	2	06/12/2024 04:27	WG2302475
BS-I3-1-2.0	L1741921-26	Benzo(a)anthracene	0.0258	J	0.0135	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Benzo(b)fluoranthene	0.0433	J	0.0143	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Benzo(g,h,i)perylene	0.0311	J	0.0141	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Benzo(a)pyrene	0.0374	J	0.0143	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Chrysene	0.0232	J	0.0153	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Fluoranthene	0.0366	J	0.0139	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Indeno(1,2,3-cd)pyrene	0.0269	J	0.0217	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Phenanthrene	0.0201	J	0.0153	0.0770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Di-n-butyl phthalate	0.0335	J	0.0263	0.770	2	06/12/2024 04:47	WG2302475
BS-I3-1-2.0	L1741921-26	Pyrene	0.0389	J	0.0150	0.0770	2	06/12/2024 04:47	WG2302475
G-H2-1-1.0	L1741921-31	Acenaphthylene	0.119	J	0.109	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Benzo(a)anthracene	0.232	J	0.136	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Benzo(b)fluoranthene	0.608	J	0.144	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Benzo(g,h,i)perylene	0.397	J	0.142	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Benzo(a)pyrene	0.469	J	0.144	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Chrysene	0.244	J	0.154	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Fluoranthene	0.400	J	0.140	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Indeno(1,2,3-cd)pyrene	0.441	J	0.219	0.775	20	06/12/2024 05:48	WG2302475
G-H2-1-1.0	L1741921-31	Pyrene	0.678	J	0.151	0.775	20	06/12/2024 05:48	WG2302475

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G-H2-1-2.0	L1741921-32	Benzo(a)anthracene	0.317	J	0.0697	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Benzo(b)fluoranthene	0.668		0.0737	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Benzo(k)fluoranthene	0.211	J	0.0703	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Benzo(g,h,i)perylene	0.265	J	0.0723	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Benzo(a)pyrene	0.484		0.0735	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Chrysene	0.329	J	0.0786	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Fluoranthene	0.380	J	0.0713	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Fluorene	0.0717	J	0.0643	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Indeno(1,2,3-cd)pyrene	0.268	J	0.112	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Naphthalene	0.211	J	0.0992	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Phenanthrene	0.179	J	0.0784	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Di-n-octyl phthalate	1.39	J	0.267	3.95	10	06/12/2024 06:08	WG2302475
G-H2-1-2.0	L1741921-32	Pyrene	0.453		0.0769	0.395	10	06/12/2024 06:08	WG2302475
G-H2-1-4.0	L1741921-34	Benzo(b)fluoranthene	0.0276	J	0.0146	0.0787	2	06/14/2024 10:38	WG2304128
G-H2-1-4.0	L1741921-34	Benzo(g,h,i)perylene	0.0176	J	0.0144	0.0787	2	06/14/2024 10:38	WG2304128
G-H2-1-4.0	L1741921-34	Benzo(a)pyrene	0.0176	J	0.0146	0.0787	2	06/14/2024 10:38	WG2304128
G-H2-1-4.0	L1741921-34	Fluoranthene	0.0154	J	0.0142	0.0787	2	06/14/2024 10:38	WG2304128
G-H2-1-4.0	L1741921-34	Phenanthrene	0.0171	J	0.0156	0.0787	2	06/14/2024 10:38	WG2304128
G-H2-1-4.0	L1741921-34	Pyrene	0.0267	J	0.0154	0.0787	2	06/14/2024 10:38	WG2304128
G/UC-I4-1-3.0	L1741921-38	Pyrene	0.00898	J	0.00775	0.0398	1	06/14/2024 00:43	WG2303251
BS-I1-1-4.0	L1741921-46	Acenaphthene	0.0929	J	0.0779	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Anthracene	0.168	J	0.0857	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzo(a)anthracene	0.502		0.0848	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzo(b)fluoranthene	0.896		0.0898	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzo(k)fluoranthene	0.306	J	0.0856	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzo(g,h,i)perylene	0.484		0.0880	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzo(a)pyrene	0.705		0.0895	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Chrysene	0.546		0.0957	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Fluoranthene	0.821		0.0869	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Indeno(1,2,3-cd)pyrene	0.474	J	0.136	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Phenanthrene	0.617		0.0955	0.481	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Benzylbutyl phthalate	0.314	J	0.150	4.81	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Bis(2-ethylhexyl)phthalate	2.37	J	0.610	4.81	10	06/13/2024 22:51	WG2304128
BS-I1-1-4.0	L1741921-46	Pyrene	1.12		0.0937	0.481	10	06/13/2024 22:51	WG2304128
G/UC-I3-1-1.0	L1741921-48	Benzo(b)fluoranthene	0.0174	J	0.0138	0.0742	2	06/14/2024 02:21	WG2303251
G/UC-I3-1-1.0	L1741921-48	Fluoranthene	0.0138	J	0.0134	0.0742	2	06/14/2024 02:21	WG2303251
G/UC-I3-1-1.0	L1741921-48	Pyrene	0.0204	J	0.0145	0.0742	2	06/14/2024 02:21	WG2303251
G/UC-I3-1-2.0	L1741921-49	Benzo(b)fluoranthene	0.00995	J	0.00786	0.0422	1	06/14/2024 00:18	WG2303251
G/UC-I3-1-2.0	L1741921-49	Fluoranthene	0.0117	J	0.00761	0.0422	1	06/14/2024 00:18	WG2303251
G/UC-I3-1-2.0	L1741921-49	Pyrene	0.0121	J	0.00821	0.0422	1	06/14/2024 00:18	WG2303251
G/UC-I3-1-4.0	L1741921-51	Acenaphthene	0.0413	J	0.0135	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Benzo(b)fluoranthene	0.0190	J	0.0155	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Chrysene	0.0215	J	0.0165	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Fluoranthene	0.0330	J	0.0150	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Fluorene	0.0297	J	0.0135	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Phenanthrene	0.0596	J	0.0165	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I3-1-4.0	L1741921-51	Pyrene	0.0660	J	0.0162	0.0832	2	06/13/2024 23:11	WG2304128
G/UC-I1-1-4.0	L1741921-64	Benzo(b)fluoranthene	0.0113	J	0.00825	0.0443	1	06/13/2024 21:48	WG2304128
G/UC-I1-1-4.0	L1741921-64	Benzo(a)pyrene	0.00880	J	0.00823	0.0443	1	06/13/2024 21:48	WG2304128
G/UC-I1-1-4.0	L1741921-64	Chrysene	0.00882	J	0.00880	0.0443	1	06/13/2024 21:48	WG2304128
G/UC-I1-1-4.0	L1741921-64	Fluoranthene	0.0132	J	0.00799	0.0443	1	06/13/2024 21:48	WG2304128
G/UC-I1-1-4.0	L1741921-64	Phenanthrene	0.0218	J	0.00879	0.0443	1	06/13/2024 21:48	WG2304128
G/UC-I1-1-4.0	L1741921-64	Pyrene	0.0142	J	0.00861	0.0443	1	06/13/2024 21:48	WG2304128
G/BS-H1-1-1.0	L1741921-68	Naphthalene	0.0278	J	0.0103	0.0408	1	06/13/2024 23:54	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/BS-H1-1-2.0	L1741921-69	Benzo(a)anthracene	0.126	J	0.0630	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Benzo(b)fluoranthene	0.161	J	0.0667	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Benzo(g,h,i)perylene	0.115	J	0.0654	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Benzo(a)pyrene	0.213	J	0.0665	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Chrysene	0.209	J	0.0711	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Fluoranthene	0.0949	J	0.0645	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Phenanthrene	0.207	J	0.0710	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-2.0	L1741921-69	Pyrene	0.258	J	0.0696	0.358	10	06/14/2024 03:58	WG2303251
G/BS-H1-1-3.0	L1741921-70	Acenaphthene	0.533	J	0.143	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Anthracene	0.247	J	0.158	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Benzo(a)anthracene	3.37		0.155	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Benzo(b)fluoranthene	1.37		0.165	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Benzo(k)fluoranthene	0.256	J	0.157	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Benzo(g,h,i)perylene	0.773	J	0.162	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Benzo(a)pyrene	2.84		0.165	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Chrysene	3.54		0.175	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Dibenz(a,h)anthracene	0.696	J	0.245	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Fluoranthene	0.638	J	0.159	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Fluorene	0.895		0.143	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Indeno(1,2,3-cd)pyrene	0.287	J	0.249	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Naphthalene	5.57		0.222	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Phenanthrene	2.35		0.175	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-3.0	L1741921-70	Pyrene	2.19		0.172	0.884	20	06/14/2024 02:45	WG2303251
G/BS-H1-1-4.0	L1741921-71	Fluoranthene	0.00810	J	0.00789	0.0437	1	06/13/2024 22:09	WG2304128
G/BS-H1-1-4.0	L1741921-71	Phenanthrene	0.00916	J	0.00867	0.0437	1	06/13/2024 22:09	WG2304128
G/BS-H1-1-4.0	L1741921-71	Pyrene	0.00970	J	0.00850	0.0437	1	06/13/2024 22:09	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0205	0.0455	1	06/05/2024 18:40	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	14.6		0.619	2.28	1	06/09/2024 08:32	WG2299945
Arsenic	3.23		0.590	2.28	1	06/09/2024 08:32	WG2299945
Barium	288		0.0970	0.569	1	06/09/2024 08:32	WG2299945
Beryllium	0.514		0.0359	0.228	1	06/09/2024 08:32	WG2299945
Cadmium	3.44		0.0536	0.569	1	06/09/2024 08:32	WG2299945
Chromium	66.8		0.151	1.14	1	06/09/2024 08:32	WG2299945
Cobalt	8.53		0.0923	1.14	1	06/09/2024 08:32	WG2299945
Copper	90.7		0.455	2.28	1	06/09/2024 08:32	WG2299945
Lead	709		0.237	0.569	1	06/09/2024 08:32	WG2299945
Molybdenum	4.40		0.124	0.569	1	06/09/2024 08:32	WG2299945
Nickel	42.5		0.150	2.28	1	06/09/2024 08:32	WG2299945
Selenium	1.21	J	0.870	2.28	1	06/09/2024 08:32	WG2299945
Silver	1.42	B	0.145	1.14	1	06/09/2024 08:32	WG2299945
Thallium	U		0.449	2.28	1	06/09/2024 08:32	WG2299945
Vanadium	45.6		0.576	2.28	1	06/09/2024 08:32	WG2299945
Zinc	679		0.947	5.69	1	06/09/2024 08:32	WG2299945

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0269	0.0774	2	06/19/2024 07:25	WG2304583
PCB 1221	U		0.0269	0.0774	2	06/19/2024 07:25	WG2304583
PCB 1232	U		0.0269	0.0774	2	06/19/2024 07:25	WG2304583
PCB 1242	U		0.0269	0.0774	2	06/19/2024 07:25	WG2304583
PCB 1248	U		0.0168	0.0387	2	06/19/2024 07:25	WG2304583
PCB 1254	U		0.0168	0.0387	2	06/19/2024 07:25	WG2304583
PCB 1260	U		0.0168	0.0387	2	06/19/2024 07:25	WG2304583
(S) Decachlorobiphenyl	*89.7*			*10.0-135*		*06/19/2024 07:25*	WG2304583
(S) Tetrachloro-m-xylene	*81.7*			*10.0-139*		*06/19/2024 07:25*	WG2304583

Sample Narrative:

L1741921-01 WG2304583: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0614	0.379	10	06/12/2024 12:08	WG2302475
Acenaphthylene	U		0.0534	0.379	10	06/12/2024 12:08	WG2302475
Anthracene	U		0.0675	0.379	10	06/12/2024 12:08	WG2302475
Benzidine	U		0.713	19.0	10	06/12/2024 12:08	WG2302475
Benzo(a)anthracene	0.214	J	0.0668	0.379	10	06/12/2024 12:08	WG2302475
Benzo(b)fluoranthene	0.499		0.0707	0.379	10	06/12/2024 12:08	WG2302475
Benzo(k)fluoranthene	0.125	J	0.0674	0.379	10	06/12/2024 12:08	WG2302475
Benzo(g,h,i)perylene	0.184	J	0.0693	0.379	10	06/12/2024 12:08	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.262	J	0.0705	0.379	10	06/12/2024 12:08	WG2302475
Bis(2-chlorethoxy)methane	U		0.114	3.79	10	06/12/2024 12:08	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.125	3.79	10	06/12/2024 12:08	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.164	3.79	10	06/12/2024 12:08	WG2302475
4-Bromophenyl-phenylether	U		0.133	3.79	10	06/12/2024 12:08	WG2302475
2-Chloronaphthalene	U		0.0666	0.379	10	06/12/2024 12:08	WG2302475
4-Chlorophenyl-phenylether	U		0.132	3.79	10	06/12/2024 12:08	WG2302475
Chrysene	0.242	J	0.0754	0.379	10	06/12/2024 12:08	WG2302475
Dibenz(a,h)anthracene	U		0.105	0.379	10	06/12/2024 12:08	WG2302475
1,2-Dichlorobenzene	U		0.112	3.79	10	06/12/2024 12:08	WG2302475
1,3-Dichlorobenzene	U		0.115	3.79	10	06/12/2024 12:08	WG2302475
1,4-Dichlorobenzene	U		0.113	3.79	10	06/12/2024 12:08	WG2302475
3,3-Dichlorobenzidine	U		0.140	3.79	10	06/12/2024 12:08	WG2302475
2,4-Dinitrotoluene	U		0.109	3.79	10	06/12/2024 12:08	WG2302475
2,6-Dinitrotoluene	U		0.124	3.79	10	06/12/2024 12:08	WG2302475
Fluoranthene	0.385		0.0684	0.379	10	06/12/2024 12:08	WG2302475
Fluorene	U		0.0617	0.379	10	06/12/2024 12:08	WG2302475
Hexachlorobenzene	U		0.134	3.79	10	06/12/2024 12:08	WG2302475
Hexachloro-1,3-butadiene	U		0.128	3.79	10	06/12/2024 12:08	WG2302475
Hexachlorocyclopentadiene	U		0.199	3.79	10	06/12/2024 12:08	WG2302475
Hexachloroethane	U		0.149	3.79	10	06/12/2024 12:08	WG2302475
Indeno(1,2,3-cd)pyrene	0.165	J	0.107	0.379	10	06/12/2024 12:08	WG2302475
Isophorone	U		0.116	3.79	10	06/12/2024 12:08	WG2302475
Naphthalene	0.206	J	0.0952	0.379	10	06/12/2024 12:08	WG2302475
Nitrobenzene	U		0.132	3.79	10	06/12/2024 12:08	WG2302475
n-Nitrosodimethylamine	U		0.562	3.79	10	06/12/2024 12:08	WG2302475
n-Nitrosodiphenylamine	U		0.287	3.79	10	06/12/2024 12:08	WG2302475
n-Nitrosodi-n-propylamine	U		0.126	3.79	10	06/12/2024 12:08	WG2302475
Phenanthrene	0.268	J	0.0753	0.379	10	06/12/2024 12:08	WG2302475
Benzylbutyl phthalate	U		0.118	3.79	10	06/12/2024 12:08	WG2302475
Bis(2-ethylhexyl)phthalate	1.41	J	0.480	3.79	10	06/12/2024 12:08	WG2302475
Di-n-butyl phthalate	U		0.130	3.79	10	06/12/2024 12:08	WG2302475
Diethyl phthalate	U		0.125	3.79	10	06/12/2024 12:08	WG2302475
Dimethyl phthalate	U		0.804	3.79	10	06/12/2024 12:08	WG2302475
Di-n-octyl phthalate	U		0.256	3.79	10	06/12/2024 12:08	WG2302475
Pyrene	0.417		0.0738	0.379	10	06/12/2024 12:08	WG2302475
1,2,4-Trichlorobenzene	U		0.118	3.79	10	06/12/2024 12:08	WG2302475
4-Chloro-3-methylphenol	U		0.123	3.79	10	06/12/2024 12:08	WG2302475
2-Chlorophenol	U		0.125	3.79	10	06/12/2024 12:08	WG2302475
2,4-Dichlorophenol	U		0.110	3.79	10	06/12/2024 12:08	WG2302475
2,4-Dimethylphenol	U		0.0990	3.79	10	06/12/2024 12:08	WG2302475
4,6-Dinitro-2-methylphenol	U		0.860	3.79	10	06/12/2024 12:08	WG2302475
2,4-Dinitrophenol	U		0.887	3.79	10	06/12/2024 12:08	WG2302475
2-Nitrophenol	U		0.135	3.79	10	06/12/2024 12:08	WG2302475
4-Nitrophenol	U		0.118	3.79	10	06/12/2024 12:08	WG2302475
Pentachlorophenol	U		0.102	3.79	10	06/12/2024 12:08	WG2302475
Phenol	U		0.153	3.79	10	06/12/2024 12:08	WG2302475
2,4,6-Trichlorophenol	U		0.122	3.79	10	06/12/2024 12:08	WG2302475
(S) 2-Fluorophenol	*129*	J1		*12.0-120*		*06/12/2024 12:08*	WG2302475
(S) Phenol-d5	*114*			*10.0-120*		*06/12/2024 12:08*	WG2302475
(S) Nitrobenzene-d5	*108*			*10.0-122*		*06/12/2024 12:08*	WG2302475
(S) 2-Fluorobiphenyl	*123*	J1		*15.0-120*		*06/12/2024 12:08*	WG2302475
(S) 2,4,6-Tribromophenol	*113*			*10.0-127*		*06/12/2024 12:08*	WG2302475
(S) p-Terphenyl-d14	*131*	J1		*10.0-120*		*06/12/2024 12:08*	WG2302475

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1741921-01 WG2302475: Dilution due to matrix impact during concentration procedure. Surrogate failure due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.139		0.0200	0.0445	1	06/05/2024 18:42	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.92		0.605	2.22	1	06/09/2024 08:34	WG2299945
Arsenic	U		0.576	2.22	1	06/09/2024 08:34	WG2299945
Barium	103		0.0947	0.556	1	06/09/2024 08:34	WG2299945
Beryllium	0.192	J	0.0350	0.222	1	06/09/2024 08:34	WG2299945
Cadmium	0.476	J	0.0524	0.556	1	06/09/2024 08:34	WG2299945
Chromium	17.9		0.148	1.11	1	06/09/2024 08:34	WG2299945
Cobalt	7.31		0.0902	1.11	1	06/09/2024 08:34	WG2299945
Copper	30.6		0.445	2.22	1	06/09/2024 08:34	WG2299945
Lead	60.5		0.231	0.556	1	06/09/2024 08:34	WG2299945
Molybdenum	1.51		0.121	0.556	1	06/09/2024 08:34	WG2299945
Nickel	29.0		0.147	2.22	1	06/09/2024 08:34	WG2299945
Selenium	U		0.849	2.22	1	06/09/2024 08:34	WG2299945
Silver	0.454	B J	0.141	1.11	1	06/09/2024 08:34	WG2299945
Thallium	U		0.438	2.22	1	06/09/2024 08:34	WG2299945
Vanadium	37.2		0.563	2.22	1	06/09/2024 08:34	WG2299945
Zinc	123		0.925	5.56	1	06/09/2024 08:34	WG2299945

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0447	0.0613	1	06/11/2024 12:04	WG2302420
Acrylonitrile	U		0.00443	0.0153	1	06/11/2024 12:04	WG2302420
Benzene	U		0.000572	0.00123	1	06/11/2024 12:04	WG2302420
Bromobenzene	U		0.00110	0.0153	1	06/11/2024 12:04	WG2302420
Bromodichloromethane	U		0.000889	0.00306	1	06/11/2024 12:04	WG2302420
Bromoform	U		0.00143	0.0306	1	06/11/2024 12:04	WG2302420
Bromomethane	U		0.00241	0.0153	1	06/11/2024 12:04	WG2302420
n-Butylbenzene	U		0.00644	0.0153	1	06/11/2024 12:04	WG2302420
sec-Butylbenzene	U		0.00353	0.0153	1	06/11/2024 12:04	WG2302420
tert-Butylbenzene	U		0.00239	0.00613	1	06/11/2024 12:04	WG2302420
Carbon tetrachloride	U		0.00110	0.00613	1	06/11/2024 12:04	WG2302420
Chlorobenzene	0.00114	J	0.000257	0.00306	1	06/11/2024 12:04	WG2302420
Chlorodibromomethane	U		0.000750	0.00306	1	06/11/2024 12:04	WG2302420
Chloroethane	U		0.00208	0.00613	1	06/11/2024 12:04	WG2302420
Chloroform	U		0.00126	0.00306	1	06/11/2024 12:04	WG2302420
Chloromethane	U		0.00533	0.0153	1	06/11/2024 12:04	WG2302420
2-Chlorotoluene	U		0.00106	0.00306	1	06/11/2024 12:04	WG2302420
4-Chlorotoluene	U		0.000552	0.00613	1	06/11/2024 12:04	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00478	0.0306	1	06/11/2024 12:04	WG2302420
1,2-Dibromoethane	U		0.000794	0.00306	1	06/11/2024 12:04	WG2302420
Dibromomethane	U		0.000919	0.00613	1	06/11/2024 12:04	WG2302420
1,2-Dichlorobenzene	U		0.000521	0.00613	1	06/11/2024 12:04	WG2302420
1,3-Dichlorobenzene	U		0.000736	0.00613	1	06/11/2024 12:04	WG2302420
1,4-Dichlorobenzene	U		0.000858	0.00613	1	06/11/2024 12:04	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00197	0.00613	1	06/11/2024 12:04	WG2302420
1,1-Dichloroethane	U		0.000602	0.00306	1	06/11/2024 12:04	WG2302420
1,2-Dichloroethane	U		0.000796	0.00306	1	06/11/2024 12:04	WG2302420
1,1-Dichloroethene	U		0.000743	0.00306	1	06/11/2024 12:04	WG2302420
cis-1,2-Dichloroethene	U		0.000900	0.00306	1	06/11/2024 12:04	WG2302420
trans-1,2-Dichloroethene	U		0.00127	0.00613	1	06/11/2024 12:04	WG2302420
1,2-Dichloropropane	U		0.00174	0.00613	1	06/11/2024 12:04	WG2302420
1,1-Dichloropropene	U		0.000992	0.00306	1	06/11/2024 12:04	WG2302420
1,3-Dichloropropane	U		0.000614	0.00613	1	06/11/2024 12:04	WG2302420
cis-1,3-Dichloropropene	U		0.000928	0.00306	1	06/11/2024 12:04	WG2302420
trans-1,3-Dichloropropene	U		0.00140	0.00613	1	06/11/2024 12:04	WG2302420
2,2-Dichloropropane	U		0.00169	0.00306	1	06/11/2024 12:04	WG2302420
Di-isopropyl ether	U		0.000503	0.00123	1	06/11/2024 12:04	WG2302420
Ethylbenzene	U		0.000903	0.00306	1	06/11/2024 12:04	WG2302420
Hexachloro-1,3-butadiene	U		0.00736	0.0306	1	06/11/2024 12:04	WG2302420
Isopropylbenzene	U		0.000521	0.00306	1	06/11/2024 12:04	WG2302420
p-Isopropyltoluene	U		0.00313	0.00613	1	06/11/2024 12:04	WG2302420
2-Butanone (MEK)	U		0.0778	0.123	1	06/11/2024 12:04	WG2302420
Methylene Chloride	U		0.00814	0.0306	1	06/11/2024 12:04	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00280	0.0306	1	06/11/2024 12:04	WG2302420
Methyl tert-butyl ether	U		0.000429	0.00123	1	06/11/2024 12:04	WG2302420
Naphthalene	U		0.00598	0.0153	1	06/11/2024 12:04	WG2302420
n-Propylbenzene	U		0.00116	0.00613	1	06/11/2024 12:04	WG2302420
Styrene	U		0.000281	0.0153	1	06/11/2024 12:04	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00116	0.00306	1	06/11/2024 12:04	WG2302420
1,1,2,2-Tetrachloroethane	U		0.000852	0.00306	1	06/11/2024 12:04	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.000924	0.00306	1	06/11/2024 12:04	WG2302420
Tetrachloroethene	U		0.00110	0.00306	1	06/11/2024 12:04	WG2302420
Toluene	0.00165	J	0.00159	0.00613	1	06/11/2024 12:04	WG2302420
1,2,3-Trichlorobenzene	U		0.00899	0.0153	1	06/11/2024 12:04	WG2302420
1,2,4-Trichlorobenzene	U		0.00539	0.0153	1	06/11/2024 12:04	WG2302420
1,1,1-Trichloroethane	U		0.00113	0.00306	1	06/11/2024 12:04	WG2302420
1,1,2-Trichloroethane	U		0.000732	0.00306	1	06/11/2024 12:04	WG2302420
Trichloroethene	U		0.000716	0.00123	1	06/11/2024 12:04	WG2302420
Trichlorofluoromethane	U		0.00101	0.00306	1	06/11/2024 12:04	WG2302420
1,2,3-Trichloropropane	U		0.00199	0.0153	1	06/11/2024 12:04	WG2302420
1,2,4-Trimethylbenzene	0.00240	J	0.00194	0.00613	1	06/11/2024 12:04	WG2302420
1,2,3-Trimethylbenzene	U		0.00194	0.00613	1	06/11/2024 12:04	WG2302420
1,3,5-Trimethylbenzene	U		0.00245	0.00613	1	06/11/2024 12:04	WG2302420
Vinyl chloride	U		0.00142	0.00306	1	06/11/2024 12:04	WG2302420
Xylenes, Total	0.00192	J	0.00108	0.00797	1	06/11/2024 12:04	WG2302420
(S) Toluene-d8	*91.1*			*75.0-131*		*06/11/2024 12:04*	WG2302420
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*06/11/2024 12:04*	WG2302420
(S) 1,2-Dichloroethane-d4	*88.0*			*70.0-130*		*06/11/2024 12:04*	WG2302420

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00599	0.0370	1	06/12/2024 02:26	WG2302475
Acenaphthylene	U		0.00521	0.0370	1	06/12/2024 02:26	WG2302475
Anthracene	U		0.00659	0.0370	1	06/12/2024 02:26	WG2302475
Benzidine	U		0.0696	1.86	1	06/12/2024 02:26	WG2302475
Benzo(a)anthracene	U		0.00653	0.0370	1	06/12/2024 02:26	WG2302475
Benzo(b)fluoranthene	U		0.00690	0.0370	1	06/12/2024 02:26	WG2302475
Benzo(k)fluoranthene	U		0.00658	0.0370	1	06/12/2024 02:26	WG2302475
Benzo(g,h,i)perylene	U		0.00677	0.0370	1	06/12/2024 02:26	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00688	0.0370	1	06/12/2024 02:26	WG2302475
Bis(2-chlorethoxy)methane	U		0.0111	0.370	1	06/12/2024 02:26	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0122	0.370	1	06/12/2024 02:26	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0160	0.370	1	06/12/2024 02:26	WG2302475
4-Bromophenyl-phenylether	U		0.0130	0.370	1	06/12/2024 02:26	WG2302475
2-Chloronaphthalene	U		0.00650	0.0370	1	06/12/2024 02:26	WG2302475
4-Chlorophenyl-phenylether	U		0.0129	0.370	1	06/12/2024 02:26	WG2302475
Chrysene	U		0.00736	0.0370	1	06/12/2024 02:26	WG2302475
Dibenz(a,h)anthracene	U		0.0103	0.0370	1	06/12/2024 02:26	WG2302475
1,2-Dichlorobenzene	U		0.0110	0.370	1	06/12/2024 02:26	WG2302475
1,3-Dichlorobenzene	U		0.0112	0.370	1	06/12/2024 02:26	WG2302475
1,4-Dichlorobenzene	U		0.0110	0.370	1	06/12/2024 02:26	WG2302475
3,3-Dichlorobenzidine	U		0.0137	0.370	1	06/12/2024 02:26	WG2302475
2,4-Dinitrotoluene	U		0.0106	0.370	1	06/12/2024 02:26	WG2302475
2,6-Dinitrotoluene	U		0.0121	0.370	1	06/12/2024 02:26	WG2302475
Fluoranthene	U		0.00668	0.0370	1	06/12/2024 02:26	WG2302475
Fluorene	U		0.00603	0.0370	1	06/12/2024 02:26	WG2302475
Hexachlorobenzene	U		0.0131	0.370	1	06/12/2024 02:26	WG2302475
Hexachloro-1,3-butadiene	U		0.0125	0.370	1	06/12/2024 02:26	WG2302475
Hexachlorocyclopentadiene	U		0.0195	0.370	1	06/12/2024 02:26	WG2302475
Hexachloroethane	U		0.0146	0.370	1	06/12/2024 02:26	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0105	0.0370	1	06/12/2024 02:26	WG2302475
Isophorone	U		0.0113	0.370	1	06/12/2024 02:26	WG2302475
Naphthalene	U		0.00929	0.0370	1	06/12/2024 02:26	WG2302475
Nitrobenzene	U		0.0129	0.370	1	06/12/2024 02:26	WG2302475
n-Nitrosodimethylamine	U		0.0549	0.370	1	06/12/2024 02:26	WG2302475
n-Nitrosodiphenylamine	U		0.0280	0.370	1	06/12/2024 02:26	WG2302475
n-Nitrosodi-n-propylamine	U		0.0123	0.370	1	06/12/2024 02:26	WG2302475
Phenanthrene	U		0.00735	0.0370	1	06/12/2024 02:26	WG2302475
Benzylbutyl phthalate	U		0.0116	0.370	1	06/12/2024 02:26	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0469	0.370	1	06/12/2024 02:26	WG2302475
Di-n-butyl phthalate	U		0.0127	0.370	1	06/12/2024 02:26	WG2302475
Diethyl phthalate	U		0.0122	0.370	1	06/12/2024 02:26	WG2302475
Dimethyl phthalate	U		0.0785	0.370	1	06/12/2024 02:26	WG2302475
Di-n-octyl phthalate	U		0.0250	0.370	1	06/12/2024 02:26	WG2302475
Pyrene	U		0.00720	0.0370	1	06/12/2024 02:26	WG2302475
1,2,4-Trichlorobenzene	U		0.0116	0.370	1	06/12/2024 02:26	WG2302475
4-Chloro-3-methylphenol	U		0.0120	0.370	1	06/12/2024 02:26	WG2302475
2-Chlorophenol	U		0.0122	0.370	1	06/12/2024 02:26	WG2302475
2,4-Dichlorophenol	U		0.0108	0.370	1	06/12/2024 02:26	WG2302475
2,4-Dimethylphenol	U		0.00967	0.370	1	06/12/2024 02:26	WG2302475
4,6-Dinitro-2-methylphenol	U		0.0839	0.370	1	06/12/2024 02:26	WG2302475
2,4-Dinitrophenol	U		0.0866	0.370	1	06/12/2024 02:26	WG2302475
2-Nitrophenol	U		0.0132	0.370	1	06/12/2024 02:26	WG2302475
4-Nitrophenol	U		0.0116	0.370	1	06/12/2024 02:26	WG2302475
Pentachlorophenol	U		0.00996	0.370	1	06/12/2024 02:26	WG2302475
Phenol	U		0.0149	0.370	1	06/12/2024 02:26	WG2302475
2,4,6-Trichlorophenol	U		0.0119	0.370	1	06/12/2024 02:26	WG2302475
(S) 2-Fluorophenol	*69.9*			*12.0-120*		*06/12/2024 02:26*	WG2302475
(S) Phenol-d5	*65.2*			*10.0-120*		*06/12/2024 02:26*	WG2302475
(S) Nitrobenzene-d5	*64.8*			*10.0-122*		*06/12/2024 02:26*	WG2302475
(S) 2-Fluorobiphenyl	*60.2*			*15.0-120*		*06/12/2024 02:26*	WG2302475
(S) 2,4,6-Tribromophenol	*61.7*			*10.0-127*		*06/12/2024 02:26*	WG2302475
(S) p-Terphenyl-d14	*68.7*			*10.0-120*		*06/12/2024 02:26*	WG2302475

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.7		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0592		0.0238	0.0528	1	06/05/2024 18:19	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.98		0.718	2.64	1	06/09/2024 08:36	WG2299945
Arsenic	U		0.684	2.64	1	06/09/2024 08:36	WG2299945
Barium	330		0.112	0.660	1	06/09/2024 08:36	WG2299945
Beryllium	0.837		0.0416	0.264	1	06/09/2024 08:36	WG2299945
Cadmium	U		0.0622	0.660	1	06/09/2024 08:36	WG2299945
Chromium	83.3		0.176	1.32	1	06/09/2024 08:36	WG2299945
Cobalt	13.8		0.107	1.32	1	06/09/2024 08:36	WG2299945
Copper	37.6		0.528	2.64	1	06/09/2024 08:36	WG2299945
Lead	13.9		0.275	0.660	1	06/09/2024 08:36	WG2299945
Molybdenum	0.422	J	0.144	0.660	1	06/09/2024 08:36	WG2299945
Nickel	71.9		0.174	2.64	1	06/09/2024 08:36	WG2299945
Selenium	1.44	J	1.01	2.64	1	06/09/2024 08:36	WG2299945
Silver	U		0.168	1.32	1	06/09/2024 08:36	WG2299945
Thallium	U		0.520	2.64	1	06/09/2024 08:36	WG2299945
Vanadium	78.0		0.668	2.64	1	06/09/2024 08:36	WG2299945
Zinc	77.8		1.10	6.60	1	06/09/2024 08:36	WG2299945

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.45	4.36	25	06/05/2024 22:24	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/05/2024 22:24*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	3.71	J	0.968	5.28	1	06/11/2024 18:18	WG2302178
C22-C32 Hydrocarbons	6.55		1.76	5.28	1	06/11/2024 18:18	WG2302178
C32-C40 Hydrocarbons	4.83	J	1.76	5.28	1	06/11/2024 18:18	WG2302178
(S) o-Terphenyl	*52.6*			*18.0-148*		*06/11/2024 18:18*	WG2302178

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00712	0.0440	1	06/12/2024 02:46	WG2302475
Acenaphthylene	U		0.00619	0.0440	1	06/12/2024 02:46	WG2302475
Anthracene	U		0.00783	0.0440	1	06/12/2024 02:46	WG2302475
Benzidine	U		0.0826	2.20	1	06/12/2024 02:46	WG2302475
Benzo(a)anthracene	U		0.00775	0.0440	1	06/12/2024 02:46	WG2302475
Benzo(b)fluoranthene	U		0.00820	0.0440	1	06/12/2024 02:46	WG2302475
Benzo(k)fluoranthene	U		0.00782	0.0440	1	06/12/2024 02:46	WG2302475
Benzo(g,h,i)perylene	U		0.00804	0.0440	1	06/12/2024 02:46	WG2302475
Benzo(a)pyrene	U		0.00817	0.0440	1	06/12/2024 02:46	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0132	0.440	1	06/12/2024 02:46	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0145	0.440	1	06/12/2024 02:46	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0190	0.440	1	06/12/2024 02:46	WG2302475
4-Bromophenyl-phenylether	U		0.0154	0.440	1	06/12/2024 02:46	WG2302475
2-Chloronaphthalene	U		0.00772	0.0440	1	06/12/2024 02:46	WG2302475
4-Chlorophenyl-phenylether	U		0.0153	0.440	1	06/12/2024 02:46	WG2302475
Chrysene	U		0.00874	0.0440	1	06/12/2024 02:46	WG2302475
Dibenz(a,h)anthracene	U		0.0122	0.0440	1	06/12/2024 02:46	WG2302475
1,2-Dichlorobenzene	U		0.0130	0.440	1	06/12/2024 02:46	WG2302475
1,3-Dichlorobenzene	U		0.0133	0.440	1	06/12/2024 02:46	WG2302475
1,4-Dichlorobenzene	U		0.0131	0.440	1	06/12/2024 02:46	WG2302475
3,3-Dichlorobenzidine	U		0.0162	0.440	1	06/12/2024 02:46	WG2302475
2,4-Dinitrotoluene	U		0.0126	0.440	1	06/12/2024 02:46	WG2302475
2,6-Dinitrotoluene	U		0.0144	0.440	1	06/12/2024 02:46	WG2302475
Fluoranthene	U		0.00793	0.0440	1	06/12/2024 02:46	WG2302475
Fluorene	U		0.00716	0.0440	1	06/12/2024 02:46	WG2302475
Hexachlorobenzene	U		0.0156	0.440	1	06/12/2024 02:46	WG2302475
Hexachloro-1,3-butadiene	U		0.0148	0.440	1	06/12/2024 02:46	WG2302475
Hexachlorocyclopentadiene	U		0.0231	0.440	1	06/12/2024 02:46	WG2302475
Hexachloroethane	U		0.0173	0.440	1	06/12/2024 02:46	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0124	0.0440	1	06/12/2024 02:46	WG2302475
Isophorone	U		0.0135	0.440	1	06/12/2024 02:46	WG2302475
Naphthalene	U		0.0110	0.0440	1	06/12/2024 02:46	WG2302475
Nitrobenzene	U		0.0153	0.440	1	06/12/2024 02:46	WG2302475
n-Nitrosodimethylamine	U		0.0652	0.440	1	06/12/2024 02:46	WG2302475
n-Nitrosodiphenylamine	U		0.0333	0.440	1	06/12/2024 02:46	WG2302475
n-Nitrosodi-n-propylamine	U		0.0147	0.440	1	06/12/2024 02:46	WG2302475
Phenanthrene	U		0.00873	0.0440	1	06/12/2024 02:46	WG2302475
Benzylbutyl phthalate	U		0.0137	0.440	1	06/12/2024 02:46	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0557	0.440	1	06/12/2024 02:46	WG2302475
Di-n-butyl phthalate	U		0.0151	0.440	1	06/12/2024 02:46	WG2302475
Diethyl phthalate	U		0.0145	0.440	1	06/12/2024 02:46	WG2302475
Dimethyl phthalate	U		0.0932	0.440	1	06/12/2024 02:46	WG2302475
Di-n-octyl phthalate	U		0.0297	0.440	1	06/12/2024 02:46	WG2302475
Pyrene	U		0.00855	0.0440	1	06/12/2024 02:46	WG2302475
1,2,4-Trichlorobenzene	U		0.0137	0.440	1	06/12/2024 02:46	WG2302475
4-Chloro-3-methylphenol	U		0.0143	0.440	1	06/12/2024 02:46	WG2302475
2-Chlorophenol	U		0.0145	0.440	1	06/12/2024 02:46	WG2302475
2,4-Dichlorophenol	U		0.0128	0.440	1	06/12/2024 02:46	WG2302475
2,4-Dimethylphenol	U		0.0115	0.440	1	06/12/2024 02:46	WG2302475
4,6-Dinitro-2-methylphenol	U		0.0997	0.440	1	06/12/2024 02:46	WG2302475
2,4-Dinitrophenol	U		0.103	0.440	1	06/12/2024 02:46	WG2302475
2-Nitrophenol	U		0.0157	0.440	1	06/12/2024 02:46	WG2302475
4-Nitrophenol	U		0.0137	0.440	1	06/12/2024 02:46	WG2302475
Pentachlorophenol	U		0.0118	0.440	1	06/12/2024 02:46	WG2302475
Phenol	U		0.0177	0.440	1	06/12/2024 02:46	WG2302475
2,4,6-Trichlorophenol	U		0.0141	0.440	1	06/12/2024 02:46	WG2302475
(S) 2-Fluorophenol	*73.5*			*12.0-120*		*06/12/2024 02:46*	WG2302475
(S) Phenol-d5	*72.1*			*10.0-120*		*06/12/2024 02:46*	WG2302475
(S) Nitrobenzene-d5	*72.2*			*10.0-122*		*06/12/2024 02:46*	WG2302475
(S) 2-Fluorobiphenyl	*67.8*			*15.0-120*		*06/12/2024 02:46*	WG2302475
(S) 2,4,6-Tribromophenol	*64.0*			*10.0-127*		*06/12/2024 02:46*	WG2302475
(S) p-Terphenyl-d14	*68.8*			*10.0-120*		*06/12/2024 02:46*	WG2302475

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.9		1	06/13/2024 09:37	WG2303966

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.73	B J	1.75	5.27	34	06/13/2024 00:35	WG2303940
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*77.0-120*		*06/13/2024 00:35*	WG2303940

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0768	0.105	1.36	06/13/2024 01:00	WG2304049
Acrylonitrile	U		0.00761	0.0263	1.36	06/13/2024 01:00	WG2304049
Benzene	U		0.000984	0.00211	1.36	06/13/2024 01:00	WG2304049
Bromobenzene	U		0.00189	0.0263	1.36	06/13/2024 01:00	WG2304049
Bromodichloromethane	U		0.00153	0.00527	1.36	06/13/2024 01:00	WG2304049
Bromoform	U		0.00246	0.0527	1.36	06/13/2024 01:00	WG2304049
Bromomethane	U		0.00415	0.0263	1.36	06/13/2024 01:00	WG2304049
n-Butylbenzene	U		0.0111	0.0263	1.36	06/13/2024 01:00	WG2304049
sec-Butylbenzene	U		0.00607	0.0263	1.36	06/13/2024 01:00	WG2304049
tert-Butylbenzene	U		0.00411	0.0105	1.36	06/13/2024 01:00	WG2304049
Carbon tetrachloride	U		0.00189	0.0105	1.36	06/13/2024 01:00	WG2304049
Chlorobenzene	U		0.000443	0.00527	1.36	06/13/2024 01:00	WG2304049
Chlorodibromomethane	U		0.00129	0.00527	1.36	06/13/2024 01:00	WG2304049
Chloroethane	U		0.00358	0.0105	1.36	06/13/2024 01:00	WG2304049
Chloroform	U		0.00217	0.00527	1.36	06/13/2024 01:00	WG2304049
Chloromethane	U		0.00917	0.0263	1.36	06/13/2024 01:00	WG2304049
2-Chlorotoluene	U		0.00183	0.00527	1.36	06/13/2024 01:00	WG2304049
4-Chlorotoluene	U		0.000948	0.0105	1.36	06/13/2024 01:00	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00821	0.0527	1.36	06/13/2024 01:00	WG2304049
1,2-Dibromoethane	U		0.00136	0.00527	1.36	06/13/2024 01:00	WG2304049
Dibromomethane	U		0.00158	0.0105	1.36	06/13/2024 01:00	WG2304049
1,2-Dichlorobenzene	U		0.000895	0.0105	1.36	06/13/2024 01:00	WG2304049
1,3-Dichlorobenzene	U		0.00126	0.0105	1.36	06/13/2024 01:00	WG2304049
1,4-Dichlorobenzene	U		0.00147	0.0105	1.36	06/13/2024 01:00	WG2304049
Dichlorodifluoromethane	U		0.00339	0.0105	1.36	06/13/2024 01:00	WG2304049
1,1-Dichloroethane	U		0.00103	0.00527	1.36	06/13/2024 01:00	WG2304049
1,2-Dichloroethane	U		0.00137	0.00527	1.36	06/13/2024 01:00	WG2304049
1,1-Dichloroethene	U		0.00128	0.00527	1.36	06/13/2024 01:00	WG2304049
cis-1,2-Dichloroethene	U		0.00155	0.00527	1.36	06/13/2024 01:00	WG2304049
trans-1,2-Dichloroethene	U		0.00218	0.0105	1.36	06/13/2024 01:00	WG2304049
1,2-Dichloropropane	U		0.00299	0.0105	1.36	06/13/2024 01:00	WG2304049
1,1-Dichloropropene	U		0.00170	0.00527	1.36	06/13/2024 01:00	WG2304049
1,3-Dichloropropane	U		0.00106	0.0105	1.36	06/13/2024 01:00	WG2304049
cis-1,3-Dichloropropene	U		0.00160	0.00527	1.36	06/13/2024 01:00	WG2304049
trans-1,3-Dichloropropene	U		0.00240	0.0105	1.36	06/13/2024 01:00	WG2304049
2,2-Dichloropropane	U		0.00291	0.00527	1.36	06/13/2024 01:00	WG2304049
Di-isopropyl ether	U		0.000864	0.00211	1.36	06/13/2024 01:00	WG2304049
Ethylbenzene	U		0.00155	0.00527	1.36	06/13/2024 01:00	WG2304049
Hexachloro-1,3-butadiene	U		0.0126	0.0527	1.36	06/13/2024 01:00	WG2304049
Isopropylbenzene	U		0.000895	0.00527	1.36	06/13/2024 01:00	WG2304049
p-Isopropyltoluene	U		0.00538	0.0105	1.36	06/13/2024 01:00	WG2304049
2-Butanone (MEK)	U		0.134	0.211	1.36	06/13/2024 01:00	WG2304049
Methylene Chloride	U		0.0140	0.0527	1.36	06/13/2024 01:00	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00480	0.0527	1.36	06/13/2024 01:00	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000737	0.00211	1.36	06/13/2024 01:00	WG2304049
Naphthalene	U	J3	0.0103	0.0263	1.36	06/13/2024 01:00	WG2304049
n-Propylbenzene	U		0.00200	0.0105	1.36	06/13/2024 01:00	WG2304049
Styrene	U		0.000482	0.0263	1.36	06/13/2024 01:00	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00200	0.00527	1.36	06/13/2024 01:00	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00146	0.00527	1.36	06/13/2024 01:00	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00160	0.00527	1.36	06/13/2024 01:00	WG2304049
Tetrachloroethene	0.00242	J	0.00189	0.00527	1.36	06/13/2024 01:00	WG2304049
Toluene	U		0.00274	0.0105	1.36	06/13/2024 01:00	WG2304049
1,2,3-Trichlorobenzene	U		0.0154	0.0263	1.36	06/13/2024 01:00	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00926	0.0263	1.36	06/13/2024 01:00	WG2304049
1,1,1-Trichloroethane	U		0.00195	0.00527	1.36	06/13/2024 01:00	WG2304049
1,1,2-Trichloroethane	U		0.00126	0.00527	1.36	06/13/2024 01:00	WG2304049
Trichloroethene	U		0.00123	0.00211	1.36	06/13/2024 01:00	WG2304049
Trichlorofluoromethane	U		0.00174	0.00527	1.36	06/13/2024 01:00	WG2304049
1,2,3-Trichloropropane	U		0.00341	0.0263	1.36	06/13/2024 01:00	WG2304049
1,2,4-Trimethylbenzene	U		0.00333	0.0105	1.36	06/13/2024 01:00	WG2304049
1,2,3-Trimethylbenzene	U		0.00333	0.0105	1.36	06/13/2024 01:00	WG2304049
1,3,5-Trimethylbenzene	U		0.00421	0.0105	1.36	06/13/2024 01:00	WG2304049
Vinyl chloride	U		0.00245	0.00527	1.36	06/13/2024 01:00	WG2304049
Xylenes, Total	U		0.00186	0.0137	1.36	06/13/2024 01:00	WG2304049
(S) Toluene-d8	*103*			*75.0-131*		*06/13/2024 01:00*	WG2304049
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/13/2024 01:00*	WG2304049
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*06/13/2024 01:00*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.15	J	0.965	5.27	1	06/14/2024 03:56	WG2304127
C22-C32 Hydrocarbons	2.94	J	1.75	5.27	1	06/14/2024 03:56	WG2304127
C32-C40 Hydrocarbons	U		1.75	5.27	1	06/14/2024 03:56	WG2304127
(S) o-Terphenyl	*48.5*			*18.0-148*		*06/14/2024 03:56*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.00916	J	0.00710	0.0438	1	06/13/2024 21:28	WG2304128
Acenaphthylene	U		0.00618	0.0438	1	06/13/2024 21:28	WG2304128
Anthracene	0.0241	J	0.00781	0.0438	1	06/13/2024 21:28	WG2304128
Benzidine	U		0.0824	2.20	1	06/13/2024 21:28	WG2304128
Benzo(a)anthracene	0.0540		0.00773	0.0438	1	06/13/2024 21:28	WG2304128
Benzo(b)fluoranthene	0.0862		0.00818	0.0438	1	06/13/2024 21:28	WG2304128
Benzo(k)fluoranthene	0.0287	J	0.00780	0.0438	1	06/13/2024 21:28	WG2304128
Benzo(g,h,i)perylene	0.0420	J	0.00802	0.0438	1	06/13/2024 21:28	WG2304128
Benzo(a)pyrene	0.0582		0.00815	0.0438	1	06/13/2024 21:28	WG2304128
Bis(2-chlorethoxy)methane	U		0.0132	0.438	1	06/13/2024 21:28	WG2304128
Bis(2-chloroethyl)ether	U		0.0145	0.438	1	06/13/2024 21:28	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0190	0.438	1	06/13/2024 21:28	WG2304128
4-Bromophenyl-phenylether	U		0.0154	0.438	1	06/13/2024 21:28	WG2304128
2-Chloronaphthalene	U		0.00770	0.0438	1	06/13/2024 21:28	WG2304128
4-Chlorophenyl-phenylether	U		0.0153	0.438	1	06/13/2024 21:28	WG2304128
Chrysene	0.0545		0.00872	0.0438	1	06/13/2024 21:28	WG2304128
Dibenz(a,h)anthracene	U		0.0122	0.0438	1	06/13/2024 21:28	WG2304128
1,2-Dichlorobenzene	U		0.0130	0.438	1	06/13/2024 21:28	WG2304128
1,3-Dichlorobenzene	U		0.0133	0.438	1	06/13/2024 21:28	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0130	0.438	1	06/13/2024 21:28	WG2304128
3,3-Dichlorobenzidine	U		0.0162	0.438	1	06/13/2024 21:28	WG2304128
2,4-Dinitrotoluene	U		0.0126	0.438	1	06/13/2024 21:28	WG2304128
2,6-Dinitrotoluene	U		0.0144	0.438	1	06/13/2024 21:28	WG2304128
Fluoranthene	0.0764		0.00791	0.0438	1	06/13/2024 21:28	WG2304128
Fluorene	0.00936	J	0.00714	0.0438	1	06/13/2024 21:28	WG2304128
Hexachlorobenzene	U		0.0155	0.438	1	06/13/2024 21:28	WG2304128
Hexachloro-1,3-butadiene	U		0.0147	0.438	1	06/13/2024 21:28	WG2304128
Hexachlorocyclopentadiene	U		0.0230	0.438	1	06/13/2024 21:28	WG2304128
Hexachloroethane	U		0.0172	0.438	1	06/13/2024 21:28	WG2304128
Indeno(1,2,3-cd)pyrene	0.0370	J	0.0124	0.0438	1	06/13/2024 21:28	WG2304128
Isophorone	U		0.0134	0.438	1	06/13/2024 21:28	WG2304128
Naphthalene	0.111		0.0110	0.0438	1	06/13/2024 21:28	WG2304128
Nitrobenzene	U		0.0153	0.438	1	06/13/2024 21:28	WG2304128
n-Nitrosodimethylamine	U		0.0650	0.438	1	06/13/2024 21:28	WG2304128
n-Nitrosodiphenylamine	U		0.0332	0.438	1	06/13/2024 21:28	WG2304128
n-Nitrosodi-n-propylamine	U		0.0146	0.438	1	06/13/2024 21:28	WG2304128
Phenanthrene	0.0841		0.00870	0.0438	1	06/13/2024 21:28	WG2304128
Benzylbutyl phthalate	U		0.0137	0.438	1	06/13/2024 21:28	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0556	0.438	1	06/13/2024 21:28	WG2304128
Di-n-butyl phthalate	U		0.0150	0.438	1	06/13/2024 21:28	WG2304128
Diethyl phthalate	U		0.0145	0.438	1	06/13/2024 21:28	WG2304128
Dimethyl phthalate	U		0.0930	0.438	1	06/13/2024 21:28	WG2304128
Di-n-octyl phthalate	U		0.0296	0.438	1	06/13/2024 21:28	WG2304128
Pyrene	0.0783		0.00853	0.0438	1	06/13/2024 21:28	WG2304128
1,2,4-Trichlorobenzene	U		0.0137	0.438	1	06/13/2024 21:28	WG2304128
4-Chloro-3-methylphenol	U		0.0142	0.438	1	06/13/2024 21:28	WG2304128
2-Chlorophenol	U		0.0145	0.438	1	06/13/2024 21:28	WG2304128
2,4-Dichlorophenol	U		0.0128	0.438	1	06/13/2024 21:28	WG2304128
2,4-Dimethylphenol	U		0.0115	0.438	1	06/13/2024 21:28	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0994	0.438	1	06/13/2024 21:28	WG2304128
2,4-Dinitrophenol	U		0.103	0.438	1	06/13/2024 21:28	WG2304128
2-Nitrophenol	U		0.0157	0.438	1	06/13/2024 21:28	WG2304128
4-Nitrophenol	U		0.0137	0.438	1	06/13/2024 21:28	WG2304128
Pentachlorophenol	U		0.0118	0.438	1	06/13/2024 21:28	WG2304128
Phenol	0.0246	J	0.0176	0.438	1	06/13/2024 21:28	WG2304128
2,4,6-Trichlorophenol	U		0.0141	0.438	1	06/13/2024 21:28	WG2304128
(S) 2-Fluorophenol	*48.6*			*12.0-120*		*06/13/2024 21:28*	WG2304128
(S) Phenol-d5	*42.1*			*10.0-120*		*06/13/2024 21:28*	WG2304128
(S) Nitrobenzene-d5	*47.8*			*10.0-122*		*06/13/2024 21:28*	WG2304128
(S) 2-Fluorobiphenyl	*52.2*			*15.0-120*		*06/13/2024 21:28*	WG2304128
(S) 2,4,6-Tribromophenol	*38.8*			*10.0-127*		*06/13/2024 21:28*	WG2304128
(S) p-Terphenyl-d14	*48.4*			*10.0-120*		*06/13/2024 21:28*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.9		1	06/03/2024 16:04	WG2297630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.40	4.22	25	06/05/2024 22:46	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/05/2024 22:46*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0616	0.0843	1	06/11/2024 12:26	WG2302420
Acrylonitrile	U		0.00609	0.0211	1	06/11/2024 12:26	WG2302420
Benzene	U		0.000788	0.00169	1	06/11/2024 12:26	WG2302420
Bromobenzene	U		0.00152	0.0211	1	06/11/2024 12:26	WG2302420
Bromodichloromethane	U		0.00122	0.00422	1	06/11/2024 12:26	WG2302420
Bromoform	U		0.00197	0.0422	1	06/11/2024 12:26	WG2302420
Bromomethane	U		0.00332	0.0211	1	06/11/2024 12:26	WG2302420
n-Butylbenzene	U		0.00885	0.0211	1	06/11/2024 12:26	WG2302420
sec-Butylbenzene	U		0.00486	0.0211	1	06/11/2024 12:26	WG2302420
tert-Butylbenzene	U		0.00329	0.00843	1	06/11/2024 12:26	WG2302420
Carbon tetrachloride	U		0.00151	0.00843	1	06/11/2024 12:26	WG2302420
Chlorobenzene	U		0.000354	0.00422	1	06/11/2024 12:26	WG2302420
Chlorodibromomethane	U		0.00103	0.00422	1	06/11/2024 12:26	WG2302420
Chloroethane	U		0.00287	0.00843	1	06/11/2024 12:26	WG2302420
Chloroform	U		0.00174	0.00422	1	06/11/2024 12:26	WG2302420
Chloromethane	U		0.00734	0.0211	1	06/11/2024 12:26	WG2302420
2-Chlorotoluene	U		0.00146	0.00422	1	06/11/2024 12:26	WG2302420
4-Chlorotoluene	U		0.000759	0.00843	1	06/11/2024 12:26	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00658	0.0422	1	06/11/2024 12:26	WG2302420
1,2-Dibromoethane	U		0.00109	0.00422	1	06/11/2024 12:26	WG2302420
Dibromomethane	U		0.00126	0.00843	1	06/11/2024 12:26	WG2302420
1,2-Dichlorobenzene	U		0.000717	0.00843	1	06/11/2024 12:26	WG2302420
1,3-Dichlorobenzene	U		0.00101	0.00843	1	06/11/2024 12:26	WG2302420
1,4-Dichlorobenzene	U		0.00118	0.00843	1	06/11/2024 12:26	WG2302420
Dichlorodifluoromethane	U		0.00272	0.00843	1	06/11/2024 12:26	WG2302420
1,1-Dichloroethane	U		0.000828	0.00422	1	06/11/2024 12:26	WG2302420
1,2-Dichloroethane	U		0.00109	0.00422	1	06/11/2024 12:26	WG2302420
1,1-Dichloroethene	U		0.00102	0.00422	1	06/11/2024 12:26	WG2302420
cis-1,2-Dichloroethene	U		0.00124	0.00422	1	06/11/2024 12:26	WG2302420
trans-1,2-Dichloroethene	U		0.00175	0.00843	1	06/11/2024 12:26	WG2302420
1,2-Dichloropropane	U		0.00239	0.00843	1	06/11/2024 12:26	WG2302420
1,1-Dichloropropene	U		0.00136	0.00422	1	06/11/2024 12:26	WG2302420
1,3-Dichloropropane	U		0.000845	0.00843	1	06/11/2024 12:26	WG2302420
cis-1,3-Dichloropropene	U		0.00128	0.00422	1	06/11/2024 12:26	WG2302420
trans-1,3-Dichloropropene	U		0.00192	0.00843	1	06/11/2024 12:26	WG2302420
2,2-Dichloropropane	U		0.00233	0.00422	1	06/11/2024 12:26	WG2302420
Di-isopropyl ether	U		0.000691	0.00169	1	06/11/2024 12:26	WG2302420
Ethylbenzene	U		0.00124	0.00422	1	06/11/2024 12:26	WG2302420
Hexachloro-1,3-butadiene	U		0.0101	0.0422	1	06/11/2024 12:26	WG2302420
Isopropylbenzene	U		0.000717	0.00422	1	06/11/2024 12:26	WG2302420
p-Isopropyltoluene	U		0.00430	0.00843	1	06/11/2024 12:26	WG2302420
2-Butanone (MEK)	U		0.107	0.169	1	06/11/2024 12:26	WG2302420
Methylene Chloride	U		0.0112	0.0422	1	06/11/2024 12:26	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00385	0.0422	1	06/11/2024 12:26	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000590	0.00169	1	06/11/2024 12:26	WG2302420
Naphthalene	U		0.00823	0.0211	1	06/11/2024 12:26	WG2302420
n-Propylbenzene	U		0.00160	0.00843	1	06/11/2024 12:26	WG2302420
Styrene	U		0.000386	0.0211	1	06/11/2024 12:26	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00160	0.00422	1	06/11/2024 12:26	WG2302420
1,1,2,2-Tetrachloroethane	U		0.00117	0.00422	1	06/11/2024 12:26	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.00127	0.00422	1	06/11/2024 12:26	WG2302420
Tetrachloroethene	U		0.00151	0.00422	1	06/11/2024 12:26	WG2302420
Toluene	U		0.00219	0.00843	1	06/11/2024 12:26	WG2302420
1,2,3-Trichlorobenzene	U		0.0124	0.0211	1	06/11/2024 12:26	WG2302420
1,2,4-Trichlorobenzene	U		0.00742	0.0211	1	06/11/2024 12:26	WG2302420
1,1,1-Trichloroethane	U		0.00156	0.00422	1	06/11/2024 12:26	WG2302420
1,1,2-Trichloroethane	U		0.00101	0.00422	1	06/11/2024 12:26	WG2302420
Trichloroethene	U		0.000985	0.00169	1	06/11/2024 12:26	WG2302420
Trichlorofluoromethane	U		0.00139	0.00422	1	06/11/2024 12:26	WG2302420
1,2,3-Trichloropropane	U		0.00273	0.0211	1	06/11/2024 12:26	WG2302420
1,2,4-Trimethylbenzene	U		0.00266	0.00843	1	06/11/2024 12:26	WG2302420
1,2,3-Trimethylbenzene	U		0.00266	0.00843	1	06/11/2024 12:26	WG2302420
1,3,5-Trimethylbenzene	U		0.00337	0.00843	1	06/11/2024 12:26	WG2302420
Vinyl chloride	U		0.00196	0.00422	1	06/11/2024 12:26	WG2302420
Xylenes, Total	U		0.00148	0.0110	1	06/11/2024 12:26	WG2302420
(S) Toluene-d8	*95.9*			*75.0-131*		*06/11/2024 12:26*	WG2302420
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*		*06/11/2024 12:26*	WG2302420
(S) 1,2-Dichloroethane-d4	*80.1*			*70.0-130*		*06/11/2024 12:26*	WG2302420

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	4.96	J	0.966	5.27	1	06/11/2024 15:10	WG2302178
C22-C32 Hydrocarbons	9.33		1.75	5.27	1	06/11/2024 15:10	WG2302178
C32-C40 Hydrocarbons	7.99		1.75	5.27	1	06/11/2024 15:10	WG2302178
(S) o-Terphenyl	*55.1*			*18.0-148*		*06/11/2024 15:10*	WG2302178

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.1		1	06/13/2024 09:37	WG2303966

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.54	B J	1.36	4.10	25	06/13/2024 09:52	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*		*06/13/2024 09:52*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0599	0.0821	1	06/13/2024 01:20	WG2304049
Acrylonitrile	U		0.00593	0.0205	1	06/13/2024 01:20	WG2304049
Benzene	U		0.000767	0.00164	1	06/13/2024 01:20	WG2304049
Bromobenzene	U		0.00148	0.0205	1	06/13/2024 01:20	WG2304049
Bromodichloromethane	U		0.00119	0.00410	1	06/13/2024 01:20	WG2304049
Bromoform	U		0.00192	0.0410	1	06/13/2024 01:20	WG2304049
Bromomethane	U		0.00323	0.0205	1	06/13/2024 01:20	WG2304049
n-Butylbenzene	U		0.00862	0.0205	1	06/13/2024 01:20	WG2304049
sec-Butylbenzene	U		0.00473	0.0205	1	06/13/2024 01:20	WG2304049
tert-Butylbenzene	U		0.00320	0.00821	1	06/13/2024 01:20	WG2304049
Carbon tetrachloride	U		0.00147	0.00821	1	06/13/2024 01:20	WG2304049
Chlorobenzene	U		0.000345	0.00410	1	06/13/2024 01:20	WG2304049
Chlorodibromomethane	U		0.00100	0.00410	1	06/13/2024 01:20	WG2304049
Chloroethane	U		0.00279	0.00821	1	06/13/2024 01:20	WG2304049
Chloroform	U		0.00169	0.00410	1	06/13/2024 01:20	WG2304049
Chloromethane	U		0.00714	0.0205	1	06/13/2024 01:20	WG2304049
2-Chlorotoluene	U		0.00142	0.00410	1	06/13/2024 01:20	WG2304049
4-Chlorotoluene	U		0.000739	0.00821	1	06/13/2024 01:20	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00640	0.0410	1	06/13/2024 01:20	WG2304049
1,2-Dibromoethane	U		0.00106	0.00410	1	06/13/2024 01:20	WG2304049
Dibromomethane	U		0.00123	0.00821	1	06/13/2024 01:20	WG2304049
1,2-Dichlorobenzene	U		0.000698	0.00821	1	06/13/2024 01:20	WG2304049
1,3-Dichlorobenzene	U		0.000985	0.00821	1	06/13/2024 01:20	WG2304049
1,4-Dichlorobenzene	U		0.00115	0.00821	1	06/13/2024 01:20	WG2304049
Dichlorodifluoromethane	U		0.00264	0.00821	1	06/13/2024 01:20	WG2304049
1,1-Dichloroethane	U		0.000806	0.00410	1	06/13/2024 01:20	WG2304049
1,2-Dichloroethane	U		0.00107	0.00410	1	06/13/2024 01:20	WG2304049
1,1-Dichloroethene	U		0.000995	0.00410	1	06/13/2024 01:20	WG2304049
cis-1,2-Dichloroethene	U		0.00120	0.00410	1	06/13/2024 01:20	WG2304049
trans-1,2-Dichloroethene	U		0.00171	0.00821	1	06/13/2024 01:20	WG2304049
1,2-Dichloropropane	U		0.00233	0.00821	1	06/13/2024 01:20	WG2304049
1,1-Dichloropropene	U		0.00133	0.00410	1	06/13/2024 01:20	WG2304049
1,3-Dichloropropane	U		0.000822	0.00821	1	06/13/2024 01:20	WG2304049
cis-1,3-Dichloropropene	U		0.00124	0.00410	1	06/13/2024 01:20	WG2304049
trans-1,3-Dichloropropene	U		0.00187	0.00821	1	06/13/2024 01:20	WG2304049
2,2-Dichloropropane	U		0.00227	0.00410	1	06/13/2024 01:20	WG2304049
Di-isopropyl ether	U		0.000673	0.00164	1	06/13/2024 01:20	WG2304049
Ethylbenzene	U		0.00121	0.00410	1	06/13/2024 01:20	WG2304049
Hexachloro-1,3-butadiene	U		0.00985	0.0410	1	06/13/2024 01:20	WG2304049
Isopropylbenzene	U		0.000698	0.00410	1	06/13/2024 01:20	WG2304049
p-Isopropyltoluene	U		0.00419	0.00821	1	06/13/2024 01:20	WG2304049
2-Butanone (MEK)	U		0.104	0.164	1	06/13/2024 01:20	WG2304049
Methylene Chloride	U		0.0109	0.0410	1	06/13/2024 01:20	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00374	0.0410	1	06/13/2024 01:20	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000575	0.00164	1	06/13/2024 01:20	WG2304049
Naphthalene	U	J3	0.00801	0.0205	1	06/13/2024 01:20	WG2304049
n-Propylbenzene	U		0.00156	0.00821	1	06/13/2024 01:20	WG2304049
Styrene	U		0.000376	0.0205	1	06/13/2024 01:20	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00156	0.00410	1	06/13/2024 01:20	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00114	0.00410	1	06/13/2024 01:20	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00124	0.00410	1	06/13/2024 01:20	WG2304049
Tetrachloroethene	U		0.00147	0.00410	1	06/13/2024 01:20	WG2304049
Toluene	U		0.00213	0.00821	1	06/13/2024 01:20	WG2304049
1,2,3-Trichlorobenzene	U		0.0120	0.0205	1	06/13/2024 01:20	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00722	0.0205	1	06/13/2024 01:20	WG2304049
1,1,1-Trichloroethane	U		0.00152	0.00410	1	06/13/2024 01:20	WG2304049
1,1,2-Trichloroethane	U		0.000980	0.00410	1	06/13/2024 01:20	WG2304049
Trichloroethene	U		0.000959	0.00164	1	06/13/2024 01:20	WG2304049
Trichlorofluoromethane	U		0.00136	0.00410	1	06/13/2024 01:20	WG2304049
1,2,3-Trichloropropane	U		0.00266	0.0205	1	06/13/2024 01:20	WG2304049
1,2,4-Trimethylbenzene	U		0.00259	0.00821	1	06/13/2024 01:20	WG2304049
1,2,3-Trimethylbenzene	U		0.00259	0.00821	1	06/13/2024 01:20	WG2304049
1,3,5-Trimethylbenzene	U		0.00328	0.00821	1	06/13/2024 01:20	WG2304049
Vinyl chloride	U		0.00190	0.00410	1	06/13/2024 01:20	WG2304049
Xylenes, Total	U		0.00144	0.0107	1	06/13/2024 01:20	WG2304049
(S) Toluene-d8	*103*			*75.0-131*		*06/13/2024 01:20*	WG2304049
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/13/2024 01:20*	WG2304049
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*		*06/13/2024 01:20*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.950	5.19	1	06/14/2024 02:01	WG2304127
C22-C32 Hydrocarbons	U		1.72	5.19	1	06/14/2024 02:01	WG2304127
C32-C40 Hydrocarbons	U		1.72	5.19	1	06/14/2024 02:01	WG2304127
(S) o-Terphenyl	*62.6*			*18.0-148*		*06/14/2024 02:01*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0699	0.432	10	06/14/2024 12:26	WG2304128
Acenaphthylene	U		0.0608	0.432	10	06/14/2024 12:26	WG2304128
Anthracene	U		0.0769	0.432	10	06/14/2024 12:26	WG2304128
Benzidine	U		0.812	21.6	10	06/14/2024 12:26	WG2304128
Benzo(a)anthracene	0.125	J	0.0761	0.432	10	06/14/2024 12:26	WG2304128
Benzo(b)fluoranthene	0.397	J	0.0805	0.432	10	06/14/2024 12:26	WG2304128
Benzo(k)fluoranthene	0.102	J	0.0767	0.432	10	06/14/2024 12:26	WG2304128
Benzo(g,h,i)perylene	0.110	J	0.0789	0.432	10	06/14/2024 12:26	WG2304128
Benzo(a)pyrene	0.219	J	0.0802	0.432	10	06/14/2024 12:26	WG2304128
Bis(2-chlorethoxy)methane	U		0.130	4.32	10	06/14/2024 12:26	WG2304128
Bis(2-chloroethyl)ether	U		0.143	4.32	10	06/14/2024 12:26	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.187	4.32	10	06/14/2024 12:26	WG2304128
4-Bromophenyl-phenylether	U		0.152	4.32	10	06/14/2024 12:26	WG2304128
2-Chloronaphthalene	U		0.0758	0.432	10	06/14/2024 12:26	WG2304128
4-Chlorophenyl-phenylether	U		0.150	4.32	10	06/14/2024 12:26	WG2304128
Chrysene	0.136	J	0.0858	0.432	10	06/14/2024 12:26	WG2304128
Dibenz(a,h)anthracene	U		0.120	0.432	10	06/14/2024 12:26	WG2304128
1,2-Dichlorobenzene	U		0.128	4.32	10	06/14/2024 12:26	WG2304128
1,3-Dichlorobenzene	U		0.131	4.32	10	06/14/2024 12:26	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.128	4.32	10	06/14/2024 12:26	WG2304128
3,3-Dichlorobenzidine	U		0.159	4.32	10	06/14/2024 12:26	WG2304128
2,4-Dinitrotoluene	U		0.124	4.32	10	06/14/2024 12:26	WG2304128
2,6-Dinitrotoluene	U		0.141	4.32	10	06/14/2024 12:26	WG2304128
Fluoranthene	0.180	J	0.0779	0.432	10	06/14/2024 12:26	WG2304128
Fluorene	U		0.0703	0.432	10	06/14/2024 12:26	WG2304128
Hexachlorobenzene	U		0.153	4.32	10	06/14/2024 12:26	WG2304128
Hexachloro-1,3-butadiene	U		0.145	4.32	10	06/14/2024 12:26	WG2304128
Hexachlorocyclopentadiene	U		0.227	4.32	10	06/14/2024 12:26	WG2304128
Hexachloroethane	U		0.170	4.32	10	06/14/2024 12:26	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.122	0.432	10	06/14/2024 12:26	WG2304128
Isophorone	U		0.132	4.32	10	06/14/2024 12:26	WG2304128
Naphthalene	0.209	J	0.108	0.432	10	06/14/2024 12:26	WG2304128
Nitrobenzene	U		0.150	4.32	10	06/14/2024 12:26	WG2304128
n-Nitrosodimethylamine	U		0.640	4.32	10	06/14/2024 12:26	WG2304128
n-Nitrosodiphenylamine	U		0.327	4.32	10	06/14/2024 12:26	WG2304128
n-Nitrosodi-n-propylamine	U		0.144	4.32	10	06/14/2024 12:26	WG2304128
Phenanthrene	0.104	J	0.0857	0.432	10	06/14/2024 12:26	WG2304128
Benzylbutyl phthalate	U		0.135	4.32	10	06/14/2024 12:26	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.547	4.32	10	06/14/2024 12:26	WG2304128
Di-n-butyl phthalate	U		0.148	4.32	10	06/14/2024 12:26	WG2304128
Diethyl phthalate	U		0.143	4.32	10	06/14/2024 12:26	WG2304128
Dimethyl phthalate	U		0.915	4.32	10	06/14/2024 12:26	WG2304128
Di-n-octyl phthalate	U		0.292	4.32	10	06/14/2024 12:26	WG2304128
Pyrene	0.253	J	0.0840	0.432	10	06/14/2024 12:26	WG2304128
1,2,4-Trichlorobenzene	U		0.135	4.32	10	06/14/2024 12:26	WG2304128
4-Chloro-3-methylphenol	U		0.140	4.32	10	06/14/2024 12:26	WG2304128
2-Chlorophenol	U		0.143	4.32	10	06/14/2024 12:26	WG2304128
2,4-Dichlorophenol	U		0.126	4.32	10	06/14/2024 12:26	WG2304128
2,4-Dimethylphenol	U		0.113	4.32	10	06/14/2024 12:26	WG2304128
4,6-Dinitro-2-methylphenol	U		0.979	4.32	10	06/14/2024 12:26	WG2304128
2,4-Dinitrophenol	U		1.01	4.32	10	06/14/2024 12:26	WG2304128
2-Nitrophenol	U		0.154	4.32	10	06/14/2024 12:26	WG2304128
4-Nitrophenol	U		0.135	4.32	10	06/14/2024 12:26	WG2304128
Pentachlorophenol	U		0.116	4.32	10	06/14/2024 12:26	WG2304128
Phenol	U		0.174	4.32	10	06/14/2024 12:26	WG2304128
2,4,6-Trichlorophenol	U		0.139	4.32	10	06/14/2024 12:26	WG2304128
(S) 2-Fluorophenol	*63.0*			*12.0-120*		*06/14/2024 12:26*	WG2304128
(S) Phenol-d5	*56.8*			*10.0-120*		*06/14/2024 12:26*	WG2304128
(S) Nitrobenzene-d5	*50.9*			*10.0-122*		*06/14/2024 12:26*	WG2304128
(S) 2-Fluorobiphenyl	*60.4*			*15.0-120*		*06/14/2024 12:26*	WG2304128
(S) 2,4,6-Tribromophenol	*69.5*			*10.0-127*		*06/14/2024 12:26*	WG2304128
(S) p-Terphenyl-d14	*77.5*			*10.0-120*		*06/14/2024 12:26*	WG2304128

Sample Narrative:

L1741921-06 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	06/03/2024 16:04	WG2297630

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0533	0.0730	1	06/11/2024 12:48	WG2302420
Acrylonitrile	U		0.00527	0.0182	1	06/11/2024 12:48	WG2302420
Benzene	U		0.000682	0.00146	1	06/11/2024 12:48	WG2302420
Bromobenzene	U		0.00131	0.0182	1	06/11/2024 12:48	WG2302420
Bromodichloromethane	U		0.00106	0.00365	1	06/11/2024 12:48	WG2302420
Bromoform	U		0.00171	0.0365	1	06/11/2024 12:48	WG2302420
Bromomethane	U		0.00288	0.0182	1	06/11/2024 12:48	WG2302420
n-Butylbenzene	U		0.00766	0.0182	1	06/11/2024 12:48	WG2302420
sec-Butylbenzene	U		0.00420	0.0182	1	06/11/2024 12:48	WG2302420
tert-Butylbenzene	U		0.00285	0.00730	1	06/11/2024 12:48	WG2302420
Carbon tetrachloride	U		0.00131	0.00730	1	06/11/2024 12:48	WG2302420
Chlorobenzene	U		0.000307	0.00365	1	06/11/2024 12:48	WG2302420
Chlorodibromomethane	U		0.000893	0.00365	1	06/11/2024 12:48	WG2302420
Chloroethane	U		0.00248	0.00730	1	06/11/2024 12:48	WG2302420
Chloroform	U		0.00150	0.00365	1	06/11/2024 12:48	WG2302420
Chloromethane	U		0.00635	0.0182	1	06/11/2024 12:48	WG2302420
2-Chlorotoluene	U		0.00126	0.00365	1	06/11/2024 12:48	WG2302420
4-Chlorotoluene	U		0.000657	0.00730	1	06/11/2024 12:48	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0365	1	06/11/2024 12:48	WG2302420
1,2-Dibromoethane	U		0.000946	0.00365	1	06/11/2024 12:48	WG2302420
Dibromomethane	U		0.00109	0.00730	1	06/11/2024 12:48	WG2302420
1,2-Dichlorobenzene	U		0.000620	0.00730	1	06/11/2024 12:48	WG2302420
1,3-Dichlorobenzene	U		0.000876	0.00730	1	06/11/2024 12:48	WG2302420
1,4-Dichlorobenzene	U		0.00102	0.00730	1	06/11/2024 12:48	WG2302420
Dichlorodifluoromethane	U		0.00235	0.00730	1	06/11/2024 12:48	WG2302420
1,1-Dichloroethane	U		0.000717	0.00365	1	06/11/2024 12:48	WG2302420
1,2-Dichloroethane	U		0.000947	0.00365	1	06/11/2024 12:48	WG2302420
1,1-Dichloroethene	U		0.000885	0.00365	1	06/11/2024 12:48	WG2302420
cis-1,2-Dichloroethene	U		0.00107	0.00365	1	06/11/2024 12:48	WG2302420
trans-1,2-Dichloroethene	U		0.00152	0.00730	1	06/11/2024 12:48	WG2302420
1,2-Dichloropropane	U		0.00207	0.00730	1	06/11/2024 12:48	WG2302420
1,1-Dichloropropene	U		0.00118	0.00365	1	06/11/2024 12:48	WG2302420
1,3-Dichloropropane	U		0.000731	0.00730	1	06/11/2024 12:48	WG2302420
cis-1,3-Dichloropropene	U		0.00111	0.00365	1	06/11/2024 12:48	WG2302420
trans-1,3-Dichloropropene	U		0.00166	0.00730	1	06/11/2024 12:48	WG2302420
2,2-Dichloropropane	U		0.00201	0.00365	1	06/11/2024 12:48	WG2302420
Di-isopropyl ether	U		0.000598	0.00146	1	06/11/2024 12:48	WG2302420
Ethylbenzene	U		0.00108	0.00365	1	06/11/2024 12:48	WG2302420
Hexachloro-1,3-butadiene	U		0.00876	0.0365	1	06/11/2024 12:48	WG2302420
Isopropylbenzene	U		0.000620	0.00365	1	06/11/2024 12:48	WG2302420
p-Isopropyltoluene	U		0.00372	0.00730	1	06/11/2024 12:48	WG2302420
2-Butanone (MEK)	U		0.0927	0.146	1	06/11/2024 12:48	WG2302420
Methylene Chloride	U		0.00969	0.0365	1	06/11/2024 12:48	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00333	0.0365	1	06/11/2024 12:48	WG2302420
Methyl tert-butyl ether	U		0.000511	0.00146	1	06/11/2024 12:48	WG2302420
Naphthalene	U		0.00712	0.0182	1	06/11/2024 12:48	WG2302420
n-Propylbenzene	U		0.00139	0.00730	1	06/11/2024 12:48	WG2302420
Styrene	U		0.000334	0.0182	1	06/11/2024 12:48	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00138	0.00365	1	06/11/2024 12:48	WG2302420
1,1,2,2-Tetrachloroethane	U		0.00101	0.00365	1	06/11/2024 12:48	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00110	0.00365	1	06/11/2024 12:48	WG2302420
Tetrachloroethene	U		0.00131	0.00365	1	06/11/2024 12:48	WG2302420
Toluene	0.00220	J	0.00190	0.00730	1	06/11/2024 12:48	WG2302420
1,2,3-Trichlorobenzene	U		0.0107	0.0182	1	06/11/2024 12:48	WG2302420
1,2,4-Trichlorobenzene	U		0.00642	0.0182	1	06/11/2024 12:48	WG2302420
1,1,1-Trichloroethane	U		0.00135	0.00365	1	06/11/2024 12:48	WG2302420
1,1,2-Trichloroethane	U		0.000871	0.00365	1	06/11/2024 12:48	WG2302420
Trichloroethene	U		0.000852	0.00146	1	06/11/2024 12:48	WG2302420
Trichlorofluoromethane	U		0.00121	0.00365	1	06/11/2024 12:48	WG2302420
1,2,3-Trichloropropane	U		0.00236	0.0182	1	06/11/2024 12:48	WG2302420
1,2,4-Trimethylbenzene	U		0.00231	0.00730	1	06/11/2024 12:48	WG2302420
1,2,3-Trimethylbenzene	U		0.00231	0.00730	1	06/11/2024 12:48	WG2302420
1,3,5-Trimethylbenzene	U		0.00292	0.00730	1	06/11/2024 12:48	WG2302420
Vinyl chloride	U		0.00169	0.00365	1	06/11/2024 12:48	WG2302420
Xylenes, Total	0.00153	J	0.00128	0.00949	1	06/11/2024 12:48	WG2302420
(S) Toluene-d8	*92.9*			*75.0-131*		*06/11/2024 12:48*	WG2302420
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*06/11/2024 12:48*	WG2302420
(S) 1,2-Dichloroethane-d4	*80.6*			*70.0-130*		*06/11/2024 12:48*	WG2302420

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	06/07/2024 12:45	WG2300491

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0525		0.0192	0.0427	1	06/08/2024 17:45	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	23.5		0.580	2.13	1	06/09/2024 17:42	WG2300701
Arsenic	U		0.552	2.13	1	06/09/2024 17:42	WG2300701
Barium	62.9		0.0909	0.533	1	06/09/2024 17:42	WG2300701
Beryllium	0.0599	J	0.0336	0.213	1	06/09/2024 17:42	WG2300701
Cadmium	U		0.0502	0.533	1	06/09/2024 17:42	WG2300701
Chromium	6.78		0.142	1.07	1	06/09/2024 17:42	WG2300701
Cobalt	11.6		0.0865	1.07	1	06/09/2024 17:42	WG2300701
Copper	44.2		0.427	2.13	1	06/09/2024 17:42	WG2300701
Lead	23.2		0.222	0.533	1	06/09/2024 17:42	WG2300701
Molybdenum	1.00		0.116	0.533	1	06/09/2024 17:42	WG2300701
Nickel	7.96		0.141	2.13	1	06/09/2024 17:42	WG2300701
Selenium	U		0.815	2.13	1	06/09/2024 17:42	WG2300701
Silver	0.633	J	0.135	1.07	1	06/09/2024 17:42	WG2300701
Thallium	U		0.420	2.13	1	06/09/2024 17:42	WG2300701
Vanadium	58.4		0.540	2.13	1	06/09/2024 17:42	WG2300701
Zinc	77.1		0.887	5.33	1	06/09/2024 17:42	WG2300701

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0126	0.0363	1	06/13/2024 11:32	WG2303247
PCB 1221	U		0.0126	0.0363	1	06/13/2024 11:32	WG2303247
PCB 1232	U		0.0126	0.0363	1	06/13/2024 11:32	WG2303247
PCB 1242	U		0.0126	0.0363	1	06/13/2024 11:32	WG2303247
PCB 1248	U		0.00787	0.0181	1	06/13/2024 11:32	WG2303247
PCB 1254	U		0.00787	0.0181	1	06/13/2024 11:32	WG2303247
PCB 1260	U		0.00787	0.0181	1	06/13/2024 11:32	WG2303247
(S) Decachlorobiphenyl	*73.6*			*10.0-135*		*06/13/2024 11:32*	WG2303247
(S) Tetrachloro-m-xylene	*68.6*			*10.0-139*		*06/13/2024 11:32*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00575	0.0355	1	06/12/2024 03:27	WG2302475
Acenaphthylene	U		0.00500	0.0355	1	06/12/2024 03:27	WG2302475
Anthracene	U		0.00632	0.0355	1	06/12/2024 03:27	WG2302475
Benzidine	U		0.0668	1.78	1	06/12/2024 03:27	WG2302475
Benzo(a)anthracene	U		0.00626	0.0355	1	06/12/2024 03:27	WG2302475
Benzo(b)fluoranthene	U		0.00662	0.0355	1	06/12/2024 03:27	WG2302475
Benzo(k)fluoranthene	U		0.00631	0.0355	1	06/12/2024 03:27	WG2302475
Benzo(g,h,i)perylene	U		0.00649	0.0355	1	06/12/2024 03:27	WG2302475
Benzo(a)pyrene	U		0.00660	0.0355	1	06/12/2024 03:27	WG2302475
Bis(2-chlorethoxy)methane	U		0.0107	0.355	1	06/12/2024 03:27	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0117	0.355	1	06/12/2024 03:27	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0154	0.355	1	06/12/2024 03:27	WG2302475
4-Bromophenyl-phenylether	U		0.0125	0.355	1	06/12/2024 03:27	WG2302475
2-Chloronaphthalene	U		0.00624	0.0355	1	06/12/2024 03:27	WG2302475
4-Chlorophenyl-phenylether	U		0.0124	0.355	1	06/12/2024 03:27	WG2302475
Chrysene	U		0.00706	0.0355	1	06/12/2024 03:27	WG2302475
Dibenz(a,h)anthracene	U		0.00984	0.0355	1	06/12/2024 03:27	WG2302475
1,2-Dichlorobenzene	U		0.0105	0.355	1	06/12/2024 03:27	WG2302475
1,3-Dichlorobenzene	U		0.0108	0.355	1	06/12/2024 03:27	WG2302475
1,4-Dichlorobenzene	U		0.0106	0.355	1	06/12/2024 03:27	WG2302475
3,3-Dichlorobenzidine	U		0.0131	0.355	1	06/12/2024 03:27	WG2302475
2,4-Dinitrotoluene	U		0.0102	0.355	1	06/12/2024 03:27	WG2302475
2,6-Dinitrotoluene	U		0.0116	0.355	1	06/12/2024 03:27	WG2302475
Fluoranthene	U		0.00641	0.0355	1	06/12/2024 03:27	WG2302475
Fluorene	U		0.00578	0.0355	1	06/12/2024 03:27	WG2302475
Hexachlorobenzene	U		0.0126	0.355	1	06/12/2024 03:27	WG2302475
Hexachloro-1,3-butadiene	U		0.0119	0.355	1	06/12/2024 03:27	WG2302475
Hexachlorocyclopentadiene	U		0.0187	0.355	1	06/12/2024 03:27	WG2302475
Hexachloroethane	U		0.0140	0.355	1	06/12/2024 03:27	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0100	0.0355	1	06/12/2024 03:27	WG2302475
Isophorone	U		0.0109	0.355	1	06/12/2024 03:27	WG2302475
Naphthalene	U		0.00892	0.0355	1	06/12/2024 03:27	WG2302475
Nitrobenzene	U		0.0124	0.355	1	06/12/2024 03:27	WG2302475
n-Nitrosodimethylamine	U		0.0527	0.355	1	06/12/2024 03:27	WG2302475
n-Nitrosodiphenylamine	U		0.0269	0.355	1	06/12/2024 03:27	WG2302475
n-Nitrosodi-n-propylamine	U		0.0118	0.355	1	06/12/2024 03:27	WG2302475
Phenanthrene	U		0.00705	0.0355	1	06/12/2024 03:27	WG2302475
Benzylbutyl phthalate	U		0.0111	0.355	1	06/12/2024 03:27	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0450	0.355	1	06/12/2024 03:27	WG2302475
Di-n-butyl phthalate	U		0.0122	0.355	1	06/12/2024 03:27	WG2302475
Diethyl phthalate	U		0.0117	0.355	1	06/12/2024 03:27	WG2302475
Dimethyl phthalate	U		0.0753	0.355	1	06/12/2024 03:27	WG2302475
Di-n-octyl phthalate	U		0.0240	0.355	1	06/12/2024 03:27	WG2302475
Pyrene	U		0.00691	0.0355	1	06/12/2024 03:27	WG2302475
1,2,4-Trichlorobenzene	U		0.0111	0.355	1	06/12/2024 03:27	WG2302475
4-Chloro-3-methylphenol	U		0.0115	0.355	1	06/12/2024 03:27	WG2302475
2-Chlorophenol	U		0.0117	0.355	1	06/12/2024 03:27	WG2302475
2,4-Dichlorophenol	U		0.0103	0.355	1	06/12/2024 03:27	WG2302475
2,4-Dimethylphenol	U		0.00928	0.355	1	06/12/2024 03:27	WG2302475
4,6-Dinitro-2-methylphenol	U		0.0805	0.355	1	06/12/2024 03:27	WG2302475
2,4-Dinitrophenol	U		0.0831	0.355	1	06/12/2024 03:27	WG2302475
2-Nitrophenol	U		0.0127	0.355	1	06/12/2024 03:27	WG2302475
4-Nitrophenol	U		0.0111	0.355	1	06/12/2024 03:27	WG2302475
Pentachlorophenol	U		0.00956	0.355	1	06/12/2024 03:27	WG2302475
Phenol	U		0.0143	0.355	1	06/12/2024 03:27	WG2302475
2,4,6-Trichlorophenol	U		0.0114	0.355	1	06/12/2024 03:27	WG2302475
(S) 2-Fluorophenol	*65.9*			*12.0-120*		*06/12/2024 03:27*	WG2302475
(S) Phenol-d5	*63.3*			*10.0-120*		*06/12/2024 03:27*	WG2302475
(S) Nitrobenzene-d5	*63.9*			*10.0-122*		*06/12/2024 03:27*	WG2302475
(S) 2-Fluorobiphenyl	*58.6*			*15.0-120*		*06/12/2024 03:27*	WG2302475
(S) 2,4,6-Tribromophenol	*55.9*			*10.0-127*		*06/12/2024 03:27*	WG2302475
(S) p-Terphenyl-d14	*61.4*			*10.0-120*		*06/12/2024 03:27*	WG2302475

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	06/10/2024 12:51	WG2300492

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.211		0.0206	0.0457	1	06/08/2024 18:00	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.28		0.621	2.28	1	06/09/2024 17:43	WG2300701
Arsenic	4.61		0.592	2.28	1	06/09/2024 17:43	WG2300701
Barium	168		0.0973	0.571	1	06/09/2024 17:43	WG2300701
Beryllium	0.357		0.0360	0.228	1	06/09/2024 17:43	WG2300701
Cadmium	2.41		0.0538	0.571	1	06/09/2024 17:43	WG2300701
Chromium	58.4		0.152	1.14	1	06/09/2024 17:43	WG2300701
Cobalt	15.9		0.0926	1.14	1	06/09/2024 17:43	WG2300701
Copper	64.1		0.457	2.28	1	06/09/2024 17:43	WG2300701
Lead	123		0.238	0.571	1	06/09/2024 17:43	WG2300701
Molybdenum	0.504	J	0.125	0.571	1	06/09/2024 17:43	WG2300701
Nickel	63.7		0.151	2.28	1	06/09/2024 17:43	WG2300701
Selenium	U		0.873	2.28	1	06/09/2024 17:43	WG2300701
Silver	0.387	J	0.145	1.14	1	06/09/2024 17:43	WG2300701
Thallium	U		0.450	2.28	1	06/09/2024 17:43	WG2300701
Vanadium	50.4		0.578	2.28	1	06/09/2024 17:43	WG2300701
Zinc	156		0.950	5.71	1	06/09/2024 17:43	WG2300701

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0478	0.0655	1	06/11/2024 13:10	WG2302420
Acrylonitrile	U		0.00473	0.0164	1	06/11/2024 13:10	WG2302420
Benzene	U		0.000612	0.00131	1	06/11/2024 13:10	WG2302420
Bromobenzene	U		0.00118	0.0164	1	06/11/2024 13:10	WG2302420
Bromodichloromethane	U		0.000950	0.00328	1	06/11/2024 13:10	WG2302420
Bromoform	U		0.00153	0.0328	1	06/11/2024 13:10	WG2302420
Bromomethane	U		0.00258	0.0164	1	06/11/2024 13:10	WG2302420
n-Butylbenzene	U		0.00688	0.0164	1	06/11/2024 13:10	WG2302420
sec-Butylbenzene	U		0.00377	0.0164	1	06/11/2024 13:10	WG2302420
tert-Butylbenzene	U		0.00256	0.00655	1	06/11/2024 13:10	WG2302420
Carbon tetrachloride	U		0.00118	0.00655	1	06/11/2024 13:10	WG2302420
Chlorobenzene	U		0.000275	0.00328	1	06/11/2024 13:10	WG2302420
Chlorodibromomethane	U		0.000802	0.00328	1	06/11/2024 13:10	WG2302420
Chloroethane	U		0.00223	0.00655	1	06/11/2024 13:10	WG2302420
Chloroform	U		0.00135	0.00328	1	06/11/2024 13:10	WG2302420
Chloromethane	U		0.00570	0.0164	1	06/11/2024 13:10	WG2302420
2-Chlorotoluene	U		0.00113	0.00328	1	06/11/2024 13:10	WG2302420
4-Chlorotoluene	U		0.000590	0.00655	1	06/11/2024 13:10	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00511	0.0328	1	06/11/2024 13:10	WG2302420
1,2-Dibromoethane	U		0.000849	0.00328	1	06/11/2024 13:10	WG2302420
Dibromomethane	U		0.000983	0.00655	1	06/11/2024 13:10	WG2302420
1,2-Dichlorobenzene	U		0.000557	0.00655	1	06/11/2024 13:10	WG2302420
1,3-Dichlorobenzene	U		0.000786	0.00655	1	06/11/2024 13:10	WG2302420
1,4-Dichlorobenzene	U		0.000917	0.00655	1	06/11/2024 13:10	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00211	0.00655	1	06/11/2024 13:10	WG2302420
1,1-Dichloroethane	U		0.000643	0.00328	1	06/11/2024 13:10	WG2302420
1,2-Dichloroethane	U		0.000850	0.00328	1	06/11/2024 13:10	WG2302420
1,1-Dichloroethene	U		0.000794	0.00328	1	06/11/2024 13:10	WG2302420
cis-1,2-Dichloroethene	U		0.000962	0.00328	1	06/11/2024 13:10	WG2302420
trans-1,2-Dichloroethene	U		0.00136	0.00655	1	06/11/2024 13:10	WG2302420
1,2-Dichloropropane	U		0.00186	0.00655	1	06/11/2024 13:10	WG2302420
1,1-Dichloropropene	U		0.00106	0.00328	1	06/11/2024 13:10	WG2302420
1,3-Dichloropropane	U		0.000656	0.00655	1	06/11/2024 13:10	WG2302420
cis-1,3-Dichloropropene	U		0.000992	0.00328	1	06/11/2024 13:10	WG2302420
trans-1,3-Dichloropropene	U		0.00149	0.00655	1	06/11/2024 13:10	WG2302420
2,2-Dichloropropane	U		0.00181	0.00328	1	06/11/2024 13:10	WG2302420
Di-isopropyl ether	U		0.000537	0.00131	1	06/11/2024 13:10	WG2302420
Ethylbenzene	U		0.000966	0.00328	1	06/11/2024 13:10	WG2302420
Hexachloro-1,3-butadiene	U		0.00786	0.0328	1	06/11/2024 13:10	WG2302420
Isopropylbenzene	U		0.000557	0.00328	1	06/11/2024 13:10	WG2302420
p-Isopropyltoluene	0.00654	J	0.00334	0.00655	1	06/11/2024 13:10	WG2302420
2-Butanone (MEK)	U		0.0832	0.131	1	06/11/2024 13:10	WG2302420
Methylene Chloride	U		0.00870	0.0328	1	06/11/2024 13:10	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00299	0.0328	1	06/11/2024 13:10	WG2302420
Methyl tert-butyl ether	U		0.000459	0.00131	1	06/11/2024 13:10	WG2302420
Naphthalene	U		0.00639	0.0164	1	06/11/2024 13:10	WG2302420
n-Propylbenzene	U		0.00124	0.00655	1	06/11/2024 13:10	WG2302420
Styrene	U		0.000300	0.0164	1	06/11/2024 13:10	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00124	0.00328	1	06/11/2024 13:10	WG2302420
1,1,2,2-Tetrachloroethane	U		0.000911	0.00328	1	06/11/2024 13:10	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.000988	0.00328	1	06/11/2024 13:10	WG2302420
Tetrachloroethene	U		0.00117	0.00328	1	06/11/2024 13:10	WG2302420
Toluene	U		0.00170	0.00655	1	06/11/2024 13:10	WG2302420
1,2,3-Trichlorobenzene	U		0.00960	0.0164	1	06/11/2024 13:10	WG2302420
1,2,4-Trichlorobenzene	U		0.00577	0.0164	1	06/11/2024 13:10	WG2302420
1,1,1-Trichloroethane	U		0.00121	0.00328	1	06/11/2024 13:10	WG2302420
1,1,2-Trichloroethane	U		0.000782	0.00328	1	06/11/2024 13:10	WG2302420
Trichloroethene	U		0.000765	0.00131	1	06/11/2024 13:10	WG2302420
Trichlorofluoromethane	U		0.00108	0.00328	1	06/11/2024 13:10	WG2302420
1,2,3-Trichloropropane	U		0.00212	0.0164	1	06/11/2024 13:10	WG2302420
1,2,4-Trimethylbenzene	0.00257	J	0.00207	0.00655	1	06/11/2024 13:10	WG2302420
1,2,3-Trimethylbenzene	U		0.00207	0.00655	1	06/11/2024 13:10	WG2302420
1,3,5-Trimethylbenzene	U		0.00262	0.00655	1	06/11/2024 13:10	WG2302420
Vinyl chloride	U		0.00152	0.00328	1	06/11/2024 13:10	WG2302420
Xylenes, Total	0.00148	J	0.00115	0.00852	1	06/11/2024 13:10	WG2302420
(S) Toluene-d8	*95.0*			*75.0-131*		*06/11/2024 13:10*	WG2302420
(S) 4-Bromofluorobenzene	*94.3*			*67.0-138*		*06/11/2024 13:10*	WG2302420
(S) 1,2-Dichloroethane-d4	*78.8*			*70.0-130*		*06/11/2024 13:10*	WG2302420

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0123	0.0761	2	06/11/2024 11:33	WG2301591
Acenaphthylene	U		0.0107	0.0761	2	06/11/2024 11:33	WG2301591
Anthracene	U		0.0136	0.0761	2	06/11/2024 11:33	WG2301591
Benzidine	U		0.143	3.81	2	06/11/2024 11:33	WG2301591
Benzo(a)anthracene	0.0484	J	0.0134	0.0761	2	06/11/2024 11:33	WG2301591
Benzo(b)fluoranthene	0.0864		0.0142	0.0761	2	06/11/2024 11:33	WG2301591
Benzo(k)fluoranthene	0.0282	J	0.0135	0.0761	2	06/11/2024 11:33	WG2301591
Benzo(g,h,i)perylene	0.0153	J	0.0139	0.0761	2	06/11/2024 11:33	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0592	J	0.0142	0.0761	2	06/11/2024 11:33	WG2301591
Bis(2-chlorethoxy)methane	U		0.0228	0.761	2	06/11/2024 11:33	WG2301591
Bis(2-chloroethyl)ether	U		0.0251	0.761	2	06/11/2024 11:33	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0329	0.761	2	06/11/2024 11:33	WG2301591
4-Bromophenyl-phenylether	U		0.0267	0.761	2	06/11/2024 11:33	WG2301591
2-Chloronaphthalene	U		0.0134	0.0761	2	06/11/2024 11:33	WG2301591
4-Chlorophenyl-phenylether	U		0.0265	0.761	2	06/11/2024 11:33	WG2301591
Chrysene	0.0593	J	0.0151	0.0761	2	06/11/2024 11:33	WG2301591
Dibenz(a,h)anthracene	U		0.0211	0.0761	2	06/11/2024 11:33	WG2301591
1,2-Dichlorobenzene	U		0.0225	0.761	2	06/11/2024 11:33	WG2301591
1,3-Dichlorobenzene	U		0.0231	0.761	2	06/11/2024 11:33	WG2301591
1,4-Dichlorobenzene	U		0.0226	0.761	2	06/11/2024 11:33	WG2301591
3,3-Dichlorobenzidine	U		0.0281	0.761	2	06/11/2024 11:33	WG2301591
2,4-Dinitrotoluene	U		0.0218	0.761	2	06/11/2024 11:33	WG2301591
2,6-Dinitrotoluene	U		0.0249	0.761	2	06/11/2024 11:33	WG2301591
Fluoranthene	0.0868		0.0137	0.0761	2	06/11/2024 11:33	WG2301591
Fluorene	U		0.0123	0.0761	2	06/11/2024 11:33	WG2301591
Hexachlorobenzene	U		0.0270	0.761	2	06/11/2024 11:33	WG2301591
Hexachloro-1,3-butadiene	U		0.0256	0.761	2	06/11/2024 11:33	WG2301591
Hexachlorocyclopentadiene	U		0.0400	0.761	2	06/11/2024 11:33	WG2301591
Hexachloroethane	U		0.0299	0.761	2	06/11/2024 11:33	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0215	0.0761	2	06/11/2024 11:33	WG2301591
Isophorone	U		0.0233	0.761	2	06/11/2024 11:33	WG2301591
Naphthalene	U		0.0191	0.0761	2	06/11/2024 11:33	WG2301591
Nitrobenzene	U		0.0265	0.761	2	06/11/2024 11:33	WG2301591
n-Nitrosodimethylamine	U		0.113	0.761	2	06/11/2024 11:33	WG2301591
n-Nitrosodiphenylamine	U		0.0576	0.761	2	06/11/2024 11:33	WG2301591
n-Nitrosodi-n-propylamine	U		0.0254	0.761	2	06/11/2024 11:33	WG2301591
Phenanthrene	0.0340	J	0.0151	0.0761	2	06/11/2024 11:33	WG2301591
Benzylbutyl phthalate	U		0.0238	0.761	2	06/11/2024 11:33	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0964	0.761	2	06/11/2024 11:33	WG2301591
Di-n-butyl phthalate	U		0.0260	0.761	2	06/11/2024 11:33	WG2301591
Diethyl phthalate	U		0.0251	0.761	2	06/11/2024 11:33	WG2301591
Dimethyl phthalate	U		0.161	0.761	2	06/11/2024 11:33	WG2301591
Di-n-octyl phthalate	U		0.0514	0.761	2	06/11/2024 11:33	WG2301591
Pyrene	0.0987		0.0148	0.0761	2	06/11/2024 11:33	WG2301591
1,2,4-Trichlorobenzene	U		0.0238	0.761	2	06/11/2024 11:33	WG2301591
4-Chloro-3-methylphenol	U		0.0247	0.761	2	06/11/2024 11:33	WG2301591
2-Chlorophenol	U		0.0251	0.761	2	06/11/2024 11:33	WG2301591
2,4-Dichlorophenol	U		0.0222	0.761	2	06/11/2024 11:33	WG2301591
2,4-Dimethylphenol	U		0.0199	0.761	2	06/11/2024 11:33	WG2301591
4,6-Dinitro-2-methylphenol	U		0.172	0.761	2	06/11/2024 11:33	WG2301591
2,4-Dinitrophenol	U		0.178	0.761	2	06/11/2024 11:33	WG2301591
2-Nitrophenol	U		0.0272	0.761	2	06/11/2024 11:33	WG2301591
4-Nitrophenol	U		0.0238	0.761	2	06/11/2024 11:33	WG2301591
Pentachlorophenol	U		0.0204	0.761	2	06/11/2024 11:33	WG2301591
Phenol	U		0.0306	0.761	2	06/11/2024 11:33	WG2301591
2,4,6-Trichlorophenol	U		0.0244	0.761	2	06/11/2024 11:33	WG2301591
(S) 2-Fluorophenol	*61.3*			*12.0-120*		*06/11/2024 11:33*	WG2301591
(S) Phenol-d5	*57.4*			*10.0-120*		*06/11/2024 11:33*	WG2301591
(S) Nitrobenzene-d5	*51.5*			*10.0-122*		*06/11/2024 11:33*	WG2301591
(S) 2-Fluorobiphenyl	*60.5*			*15.0-120*		*06/11/2024 11:33*	WG2301591
(S) 2,4,6-Tribromophenol	*72.0*			*10.0-127*		*06/11/2024 11:33*	WG2301591
(S) p-Terphenyl-d14	*69.0*			*10.0-120*		*06/11/2024 11:33*	WG2301591

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	

L1741921-09 WG2301591: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	06/10/2024 12:51	WG2300492

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.360		0.0204	0.0453	1	06/08/2024 18:09	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	10.0		0.616	2.26	1	06/09/2024 17:45	WG2300701
Arsenic	5.55		0.586	2.26	1	06/09/2024 17:45	WG2300701
Barium	87.0		0.0964	0.566	1	06/09/2024 17:45	WG2300701
Beryllium	0.162	J	0.0357	0.226	1	06/09/2024 17:45	WG2300701
Cadmium	U		0.0533	0.566	1	06/09/2024 17:45	WG2300701
Chromium	38.8		0.151	1.13	1	06/09/2024 17:45	WG2300701
Cobalt	19.0		0.0918	1.13	1	06/09/2024 17:45	WG2300701
Copper	63.2		0.453	2.26	1	06/09/2024 17:45	WG2300701
Lead	25.0		0.235	0.566	1	06/09/2024 17:45	WG2300701
Molybdenum	0.385	J	0.123	0.566	1	06/09/2024 17:45	WG2300701
Nickel	31.1		0.149	2.26	1	06/09/2024 17:45	WG2300701
Selenium	U		0.865	2.26	1	06/09/2024 17:45	WG2300701
Silver	0.590	J	0.144	1.13	1	06/09/2024 17:45	WG2300701
Thallium	U		0.446	2.26	1	06/09/2024 17:45	WG2300701
Vanadium	53.0		0.573	2.26	1	06/09/2024 17:45	WG2300701
Zinc	56.9		0.942	5.66	1	06/09/2024 17:45	WG2300701

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	4.95	B	1.05	3.16	25	06/10/2024 15:40	WG2302200
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*77.0-120*		*06/10/2024 15:40*	WG2302200

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	8.08		0.830	4.53	1	06/11/2024 19:30	WG2302178
C22-C32 Hydrocarbons	51.5		1.51	4.53	1	06/11/2024 19:30	WG2302178
C32-C40 Hydrocarbons	36.0		1.51	4.53	1	06/11/2024 19:30	WG2302178
(S) o-Terphenyl	*57.2*			*18.0-148*		*06/11/2024 19:30*	WG2302178

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0122	0.0754	2	06/11/2024 04:00	WG2301591
Acenaphthylene	U		0.0106	0.0754	2	06/11/2024 04:00	WG2301591
Anthracene	U		0.0135	0.0754	2	06/11/2024 04:00	WG2301591
Benzidine	U		0.141	3.78	2	06/11/2024 04:00	WG2301591
Benzo(a)anthracene	U		0.0132	0.0754	2	06/11/2024 04:00	WG2301591
Benzo(b)fluoranthene	U		0.0140	0.0754	2	06/11/2024 04:00	WG2301591
Benzo(k)fluoranthene	U		0.0134	0.0754	2	06/11/2024 04:00	WG2301591
Benzo(g,h,i)perylene	U		0.0138	0.0754	2	06/11/2024 04:00	WG2301591
Benzo(a)pyrene	U		0.0140	0.0754	2	06/11/2024 04:00	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0226	0.754	2	06/11/2024 04:00	WG2301591
Bis(2-chloroethyl)ether	U		0.0249	0.754	2	06/11/2024 04:00	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0326	0.754	2	06/11/2024 04:00	WG2301591
4-Bromophenyl-phenylether	U		0.0265	0.754	2	06/11/2024 04:00	WG2301591
2-Chloronaphthalene	U		0.0132	0.0754	2	06/11/2024 04:00	WG2301591
4-Chlorophenyl-phenylether	U		0.0263	0.754	2	06/11/2024 04:00	WG2301591
Chrysene	U		0.0149	0.0754	2	06/11/2024 04:00	WG2301591
Dibenz(a,h)anthracene	U		0.0209	0.0754	2	06/11/2024 04:00	WG2301591
1,2-Dichlorobenzene	U		0.0223	0.754	2	06/11/2024 04:00	WG2301591
1,3-Dichlorobenzene	U		0.0229	0.754	2	06/11/2024 04:00	WG2301591
1,4-Dichlorobenzene	U		0.0224	0.754	2	06/11/2024 04:00	WG2301591
3,3-Dichlorobenzidine	U		0.0278	0.754	2	06/11/2024 04:00	WG2301591
2,4-Dinitrotoluene	U		0.0216	0.754	2	06/11/2024 04:00	WG2301591
2,6-Dinitrotoluene	U		0.0247	0.754	2	06/11/2024 04:00	WG2301591
Fluoranthene	U		0.0136	0.0754	2	06/11/2024 04:00	WG2301591
Fluorene	U		0.0122	0.0754	2	06/11/2024 04:00	WG2301591
Hexachlorobenzene	U		0.0267	0.754	2	06/11/2024 04:00	WG2301591
Hexachloro-1,3-butadiene	U		0.0254	0.754	2	06/11/2024 04:00	WG2301591
Hexachlorocyclopentadiene	U		0.0396	0.754	2	06/11/2024 04:00	WG2301591
Hexachloroethane	U		0.0297	0.754	2	06/11/2024 04:00	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0213	0.0754	2	06/11/2024 04:00	WG2301591
Isophorone	U		0.0231	0.754	2	06/11/2024 04:00	WG2301591
Naphthalene	U		0.0189	0.0754	2	06/11/2024 04:00	WG2301591
Nitrobenzene	U		0.0263	0.754	2	06/11/2024 04:00	WG2301591
n-Nitrosodimethylamine	U		0.112	0.754	2	06/11/2024 04:00	WG2301591
n-Nitrosodiphenylamine	U		0.0570	0.754	2	06/11/2024 04:00	WG2301591
n-Nitrosodi-n-propylamine	U		0.0251	0.754	2	06/11/2024 04:00	WG2301591
Phenanthrene	U		0.0149	0.0754	2	06/11/2024 04:00	WG2301591
Benzylbutyl phthalate	U		0.0235	0.754	2	06/11/2024 04:00	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0955	0.754	2	06/11/2024 04:00	WG2301591
Di-n-butyl phthalate	U		0.0258	0.754	2	06/11/2024 04:00	WG2301591
Diethyl phthalate	U		0.0249	0.754	2	06/11/2024 04:00	WG2301591
Dimethyl phthalate	U		0.160	0.754	2	06/11/2024 04:00	WG2301591
Di-n-octyl phthalate	U		0.0509	0.754	2	06/11/2024 04:00	WG2301591
Pyrene	U		0.0147	0.0754	2	06/11/2024 04:00	WG2301591
1,2,4-Trichlorobenzene	U		0.0235	0.754	2	06/11/2024 04:00	WG2301591
4-Chloro-3-methylphenol	U		0.0244	0.754	2	06/11/2024 04:00	WG2301591
2-Chlorophenol	U		0.0249	0.754	2	06/11/2024 04:00	WG2301591
2,4-Dichlorophenol	U		0.0220	0.754	2	06/11/2024 04:00	WG2301591
2,4-Dimethylphenol	U		0.0197	0.754	2	06/11/2024 04:00	WG2301591
4,6-Dinitro-2-methylphenol	U		0.171	0.754	2	06/11/2024 04:00	WG2301591
2,4-Dinitrophenol	U		0.177	0.754	2	06/11/2024 04:00	WG2301591
2-Nitrophenol	U		0.0269	0.754	2	06/11/2024 04:00	WG2301591
4-Nitrophenol	U		0.0235	0.754	2	06/11/2024 04:00	WG2301591
Pentachlorophenol	U		0.0203	0.754	2	06/11/2024 04:00	WG2301591
Phenol	U		0.0303	0.754	2	06/11/2024 04:00	WG2301591
2,4,6-Trichlorophenol	U		0.0242	0.754	2	06/11/2024 04:00	WG2301591
(S) 2-Fluorophenol	*60.0*			*12.0-120*		*06/11/2024 04:00*	WG2301591
(S) Phenol-d5	*50.5*			*10.0-120*		*06/11/2024 04:00*	WG2301591
(S) Nitrobenzene-d5	*52.3*			*10.0-122*		*06/11/2024 04:00*	WG2301591
(S) 2-Fluorobiphenyl	*59.9*			*15.0-120*		*06/11/2024 04:00*	WG2301591
(S) 2,4,6-Tribromophenol	*36.5*			*10.0-127*		*06/11/2024 04:00*	WG2301591
(S) p-Terphenyl-d14	*55.9*			*10.0-120*		*06/11/2024 04:00*	WG2301591

Sample Narrative:

L1741921-10 WG2301591: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	06/13/2024 09:37	WG2303966

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.30	3.90	25	06/13/2024 10:11	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*96.6*			*77.0-120*		*06/13/2024 10:11*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0570	0.0781	1	06/13/2024 01:39	WG2304049
Acrylonitrile	U		0.00564	0.0195	1	06/13/2024 01:39	WG2304049
Benzene	U		0.000729	0.00156	1	06/13/2024 01:39	WG2304049
Bromobenzene	U		0.00141	0.0195	1	06/13/2024 01:39	WG2304049
Bromodichloromethane	U		0.00113	0.00390	1	06/13/2024 01:39	WG2304049
Bromoform	U		0.00183	0.0390	1	06/13/2024 01:39	WG2304049
Bromomethane	U		0.00308	0.0195	1	06/13/2024 01:39	WG2304049
n-Butylbenzene	U		0.00820	0.0195	1	06/13/2024 01:39	WG2304049
sec-Butylbenzene	U		0.00450	0.0195	1	06/13/2024 01:39	WG2304049
tert-Butylbenzene	U		0.00305	0.00781	1	06/13/2024 01:39	WG2304049
Carbon tetrachloride	U		0.00140	0.00781	1	06/13/2024 01:39	WG2304049
Chlorobenzene	U		0.000328	0.00390	1	06/13/2024 01:39	WG2304049
Chlorodibromomethane	U		0.000956	0.00390	1	06/13/2024 01:39	WG2304049
Chloroethane	U		0.00266	0.00781	1	06/13/2024 01:39	WG2304049
Chloroform	U		0.00161	0.00390	1	06/13/2024 01:39	WG2304049
Chloromethane	U		0.00679	0.0195	1	06/13/2024 01:39	WG2304049
2-Chlorotoluene	U		0.00135	0.00390	1	06/13/2024 01:39	WG2304049
4-Chlorotoluene	U		0.000703	0.00781	1	06/13/2024 01:39	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00609	0.0390	1	06/13/2024 01:39	WG2304049
1,2-Dibromoethane	U		0.00101	0.00390	1	06/13/2024 01:39	WG2304049
Dibromomethane	U		0.00117	0.00781	1	06/13/2024 01:39	WG2304049
1,2-Dichlorobenzene	U		0.000664	0.00781	1	06/13/2024 01:39	WG2304049
1,3-Dichlorobenzene	U		0.000937	0.00781	1	06/13/2024 01:39	WG2304049
1,4-Dichlorobenzene	U		0.00109	0.00781	1	06/13/2024 01:39	WG2304049
Dichlorodifluoromethane	U		0.00251	0.00781	1	06/13/2024 01:39	WG2304049
1,1-Dichloroethane	U		0.000767	0.00390	1	06/13/2024 01:39	WG2304049
1,2-Dichloroethane	U		0.00101	0.00390	1	06/13/2024 01:39	WG2304049
1,1-Dichloroethene	U		0.000946	0.00390	1	06/13/2024 01:39	WG2304049
cis-1,2-Dichloroethene	U		0.00115	0.00390	1	06/13/2024 01:39	WG2304049
trans-1,2-Dichloroethene	U		0.00162	0.00781	1	06/13/2024 01:39	WG2304049
1,2-Dichloropropane	U		0.00222	0.00781	1	06/13/2024 01:39	WG2304049
1,1-Dichloropropene	U		0.00126	0.00390	1	06/13/2024 01:39	WG2304049
1,3-Dichloropropane	U		0.000782	0.00781	1	06/13/2024 01:39	WG2304049
cis-1,3-Dichloropropene	U		0.00118	0.00390	1	06/13/2024 01:39	WG2304049
trans-1,3-Dichloropropene	U		0.00178	0.00781	1	06/13/2024 01:39	WG2304049
2,2-Dichloropropane	U		0.00216	0.00390	1	06/13/2024 01:39	WG2304049
Di-isopropyl ether	U		0.000640	0.00156	1	06/13/2024 01:39	WG2304049
Ethylbenzene	U		0.00115	0.00390	1	06/13/2024 01:39	WG2304049
Hexachloro-1,3-butadiene	U		0.00937	0.0390	1	06/13/2024 01:39	WG2304049
Isopropylbenzene	U		0.000664	0.00390	1	06/13/2024 01:39	WG2304049
p-Isopropyltoluene	U		0.00398	0.00781	1	06/13/2024 01:39	WG2304049
2-Butanone (MEK)	U		0.0992	0.156	1	06/13/2024 01:39	WG2304049
Methylene Chloride	U		0.0104	0.0390	1	06/13/2024 01:39	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00356	0.0390	1	06/13/2024 01:39	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000547	0.00156	1	06/13/2024 01:39	WG2304049
Naphthalene	U	J3	0.00762	0.0195	1	06/13/2024 01:39	WG2304049
n-Propylbenzene	U		0.00148	0.00781	1	06/13/2024 01:39	WG2304049
Styrene	U		0.000358	0.0195	1	06/13/2024 01:39	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00148	0.00390	1	06/13/2024 01:39	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00109	0.00390	1	06/13/2024 01:39	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00390	1	06/13/2024 01:39	WG2304049
Tetrachloroethene	U		0.00140	0.00390	1	06/13/2024 01:39	WG2304049
Toluene	U		0.00203	0.00781	1	06/13/2024 01:39	WG2304049
1,2,3-Trichlorobenzene	U		0.0114	0.0195	1	06/13/2024 01:39	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00687	0.0195	1	06/13/2024 01:39	WG2304049
1,1,1-Trichloroethane	U		0.00144	0.00390	1	06/13/2024 01:39	WG2304049
1,1,2-Trichloroethane	U		0.000932	0.00390	1	06/13/2024 01:39	WG2304049
Trichloroethene	U		0.000912	0.00156	1	06/13/2024 01:39	WG2304049
Trichlorofluoromethane	U		0.00129	0.00390	1	06/13/2024 01:39	WG2304049
1,2,3-Trichloropropane	U		0.00253	0.0195	1	06/13/2024 01:39	WG2304049
1,2,4-Trimethylbenzene	U		0.00247	0.00781	1	06/13/2024 01:39	WG2304049
1,2,3-Trimethylbenzene	U		0.00247	0.00781	1	06/13/2024 01:39	WG2304049
1,3,5-Trimethylbenzene	U		0.00312	0.00781	1	06/13/2024 01:39	WG2304049
Vinyl chloride	U		0.00181	0.00390	1	06/13/2024 01:39	WG2304049
Xylenes, Total	U		0.00137	0.0102	1	06/13/2024 01:39	WG2304049
(S) Toluene-d8	*103*			*75.0-131*		*06/13/2024 01:39*	WG2304049
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/13/2024 01:39*	WG2304049
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*06/13/2024 01:39*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.917	5.00	1	06/14/2024 03:27	WG2304127
C22-C32 Hydrocarbons	U		1.66	5.00	1	06/14/2024 03:27	WG2304127
C32-C40 Hydrocarbons	U		1.66	5.00	1	06/14/2024 03:27	WG2304127
(S) o-Terphenyl	*62.4*			*18.0-148*		*06/14/2024 03:27*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0308	J	0.0135	0.0833	2	06/13/2024 23:32	WG2304128
Acenaphthylene	0.171		0.0117	0.0833	2	06/13/2024 23:32	WG2304128
Anthracene	0.199		0.0149	0.0833	2	06/13/2024 23:32	WG2304128
Benzidine	U		0.156	4.18	2	06/13/2024 23:32	WG2304128
Benzo(a)anthracene	0.929		0.0146	0.0833	2	06/13/2024 23:32	WG2304128
Benzo(b)fluoranthene	1.28		0.0155	0.0833	2	06/13/2024 23:32	WG2304128
Benzo(k)fluoranthene	0.460		0.0148	0.0833	2	06/13/2024 23:32	WG2304128
Benzo(g,h,i)perylene	0.622		0.0153	0.0833	2	06/13/2024 23:32	WG2304128
Benzo(a)pyrene	1.12		0.0155	0.0833	2	06/13/2024 23:32	WG2304128
Bis(2-chlorethoxy)methane	U		0.0250	0.833	2	06/13/2024 23:32	WG2304128
Bis(2-chloroethyl)ether	U		0.0275	0.833	2	06/13/2024 23:32	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0360	0.833	2	06/13/2024 23:32	WG2304128
4-Bromophenyl-phenylether	U		0.0293	0.833	2	06/13/2024 23:32	WG2304128
2-Chloronaphthalene	U		0.0146	0.0833	2	06/13/2024 23:32	WG2304128
4-Chlorophenyl-phenylether	U		0.0290	0.833	2	06/13/2024 23:32	WG2304128
Chrysene	1.20		0.0165	0.0833	2	06/13/2024 23:32	WG2304128
Dibenz(a,h)anthracene	0.180		0.0231	0.0833	2	06/13/2024 23:32	WG2304128
1,2-Dichlorobenzene	U		0.0246	0.833	2	06/13/2024 23:32	WG2304128
1,3-Dichlorobenzene	U		0.0253	0.833	2	06/13/2024 23:32	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0248	0.833	2	06/13/2024 23:32	WG2304128
3,3-Dichlorobenzidine	U		0.0308	0.833	2	06/13/2024 23:32	WG2304128
2,4-Dinitrotoluene	U		0.0239	0.833	2	06/13/2024 23:32	WG2304128
2,6-Dinitrotoluene	U		0.0273	0.833	2	06/13/2024 23:32	WG2304128
Fluoranthene	1.41		0.0150	0.0833	2	06/13/2024 23:32	WG2304128
Fluorene	0.0594	J	0.0135	0.0833	2	06/13/2024 23:32	WG2304128
Hexachlorobenzene	U		0.0295	0.833	2	06/13/2024 23:32	WG2304128
Hexachloro-1,3-butadiene	U		0.0280	0.833	2	06/13/2024 23:32	WG2304128
Hexachlorocyclopentadiene	U		0.0438	0.833	2	06/13/2024 23:32	WG2304128
Hexachloroethane	U		0.0328	0.833	2	06/13/2024 23:32	WG2304128
Indeno(1,2,3-cd)pyrene	0.669		0.0235	0.0833	2	06/13/2024 23:32	WG2304128
Isophorone	U		0.0255	0.833	2	06/13/2024 23:32	WG2304128
Naphthalene	0.0254	J	0.0209	0.0833	2	06/13/2024 23:32	WG2304128
Nitrobenzene	U		0.0290	0.833	2	06/13/2024 23:32	WG2304128
n-Nitrosodimethylamine	U		0.124	0.833	2	06/13/2024 23:32	WG2304128
n-Nitrosodiphenylamine	U		0.0630	0.833	2	06/13/2024 23:32	WG2304128
n-Nitrosodi-n-propylamine	U		0.0278	0.833	2	06/13/2024 23:32	WG2304128
Phenanthrene	0.806		0.0165	0.0833	2	06/13/2024 23:32	WG2304128
Benzylbutyl phthalate	U		0.0260	0.833	2	06/13/2024 23:32	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.106	0.833	2	06/13/2024 23:32	WG2304128
Di-n-butyl phthalate	U		0.0285	0.833	2	06/13/2024 23:32	WG2304128
Diethyl phthalate	U		0.0275	0.833	2	06/13/2024 23:32	WG2304128
Dimethyl phthalate	U		0.176	0.833	2	06/13/2024 23:32	WG2304128
Di-n-octyl phthalate	U		0.0563	0.833	2	06/13/2024 23:32	WG2304128
Pyrene	1.66		0.0163	0.0833	2	06/13/2024 23:32	WG2304128
1,2,4-Trichlorobenzene	U		0.0260	0.833	2	06/13/2024 23:32	WG2304128
4-Chloro-3-methylphenol	U		0.0270	0.833	2	06/13/2024 23:32	WG2304128
2-Chlorophenol	U		0.0275	0.833	2	06/13/2024 23:32	WG2304128
2,4-Dichlorophenol	U		0.0243	0.833	2	06/13/2024 23:32	WG2304128
2,4-Dimethylphenol	U		0.0218	0.833	2	06/13/2024 23:32	WG2304128
4,6-Dinitro-2-methylphenol	U		0.189	0.833	2	06/13/2024 23:32	WG2304128
2,4-Dinitrophenol	U		0.195	0.833	2	06/13/2024 23:32	WG2304128
2-Nitrophenol	U		0.0298	0.833	2	06/13/2024 23:32	WG2304128
4-Nitrophenol	U		0.0260	0.833	2	06/13/2024 23:32	WG2304128
Pentachlorophenol	U		0.0224	0.833	2	06/13/2024 23:32	WG2304128
Phenol	U		0.0335	0.833	2	06/13/2024 23:32	WG2304128
2,4,6-Trichlorophenol	U		0.0268	0.833	2	06/13/2024 23:32	WG2304128
(S) 2-Fluorophenol	*56.0*			*12.0-120*		*06/13/2024 23:32*	WG2304128
(S) Phenol-d5	*51.9*			*10.0-120*		*06/13/2024 23:32*	WG2304128
(S) Nitrobenzene-d5	*50.8*			*10.0-122*		*06/13/2024 23:32*	WG2304128
(S) 2-Fluorobiphenyl	*58.5*			*15.0-120*		*06/13/2024 23:32*	WG2304128
(S) 2,4,6-Tribromophenol	*51.9*			*10.0-127*		*06/13/2024 23:32*	WG2304128
(S) p-Terphenyl-d14	*67.5*			*10.0-120*		*06/13/2024 23:32*	WG2304128

Sample Narrative:

L1741921-11 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	06/10/2024 12:51	WG2300492

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.34	B J	1.13	3.40	25	06/10/2024 15:59	WG2302200
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*77.0-120*		*06/10/2024 15:59*	WG2302200

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0496	0.0679	1	06/11/2024 13:32	WG2302420
Acrylonitrile	U		0.00490	0.0170	1	06/11/2024 13:32	WG2302420
Benzene	U		0.000634	0.00136	1	06/11/2024 13:32	WG2302420
Bromobenzene	U		0.00122	0.0170	1	06/11/2024 13:32	WG2302420
Bromodichloromethane	U		0.000985	0.00340	1	06/11/2024 13:32	WG2302420
Bromoform	U		0.00159	0.0340	1	06/11/2024 13:32	WG2302420
Bromomethane	U		0.00268	0.0170	1	06/11/2024 13:32	WG2302420
n-Butylbenzene	U		0.00713	0.0170	1	06/11/2024 13:32	WG2302420
sec-Butylbenzene	U		0.00391	0.0170	1	06/11/2024 13:32	WG2302420
tert-Butylbenzene	U		0.00265	0.00679	1	06/11/2024 13:32	WG2302420
Carbon tetrachloride	U		0.00122	0.00679	1	06/11/2024 13:32	WG2302420
Chlorobenzene	U		0.000285	0.00340	1	06/11/2024 13:32	WG2302420
Chlorodibromomethane	U		0.000831	0.00340	1	06/11/2024 13:32	WG2302420
Chloroethane	U		0.00231	0.00679	1	06/11/2024 13:32	WG2302420
Chloroform	U		0.00140	0.00340	1	06/11/2024 13:32	WG2302420
Chloromethane	U		0.00591	0.0170	1	06/11/2024 13:32	WG2302420
2-Chlorotoluene	U		0.00118	0.00340	1	06/11/2024 13:32	WG2302420
4-Chlorotoluene	U		0.000611	0.00679	1	06/11/2024 13:32	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00530	0.0340	1	06/11/2024 13:32	WG2302420
1,2-Dibromoethane	U		0.000880	0.00340	1	06/11/2024 13:32	WG2302420
Dibromomethane	U		0.00102	0.00679	1	06/11/2024 13:32	WG2302420
1,2-Dichlorobenzene	U		0.000577	0.00679	1	06/11/2024 13:32	WG2302420
1,3-Dichlorobenzene	U		0.000815	0.00679	1	06/11/2024 13:32	WG2302420
1,4-Dichlorobenzene	U		0.000951	0.00679	1	06/11/2024 13:32	WG2302420
Dichlorodifluoromethane	U		0.00219	0.00679	1	06/11/2024 13:32	WG2302420
1,1-Dichloroethane	U		0.000667	0.00340	1	06/11/2024 13:32	WG2302420
1,2-Dichloroethane	U		0.000882	0.00340	1	06/11/2024 13:32	WG2302420
1,1-Dichloroethene	U		0.000823	0.00340	1	06/11/2024 13:32	WG2302420
cis-1,2-Dichloroethene	U		0.000997	0.00340	1	06/11/2024 13:32	WG2302420
trans-1,2-Dichloroethene	U		0.00141	0.00679	1	06/11/2024 13:32	WG2302420
1,2-Dichloropropane	U		0.00193	0.00679	1	06/11/2024 13:32	WG2302420
1,1-Dichloropropene	U		0.00110	0.00340	1	06/11/2024 13:32	WG2302420
1,3-Dichloropropane	U		0.000681	0.00679	1	06/11/2024 13:32	WG2302420
cis-1,3-Dichloropropene	U		0.00103	0.00340	1	06/11/2024 13:32	WG2302420
trans-1,3-Dichloropropene	U		0.00155	0.00679	1	06/11/2024 13:32	WG2302420
2,2-Dichloropropane	U		0.00187	0.00340	1	06/11/2024 13:32	WG2302420
Di-isopropyl ether	U		0.000557	0.00136	1	06/11/2024 13:32	WG2302420
Ethylbenzene	U		0.00100	0.00340	1	06/11/2024 13:32	WG2302420
Hexachloro-1,3-butadiene	U		0.00815	0.0340	1	06/11/2024 13:32	WG2302420
Isopropylbenzene	U		0.000577	0.00340	1	06/11/2024 13:32	WG2302420
p-Isopropyltoluene	U		0.00346	0.00679	1	06/11/2024 13:32	WG2302420
2-Butanone (MEK)	U		0.0863	0.136	1	06/11/2024 13:32	WG2302420
Methylene Chloride	U		0.00902	0.0340	1	06/11/2024 13:32	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00310	0.0340	1	06/11/2024 13:32	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000475	0.00136	1	06/11/2024 13:32	WG2302420
Naphthalene	U		0.00663	0.0170	1	06/11/2024 13:32	WG2302420
n-Propylbenzene	U		0.00129	0.00679	1	06/11/2024 13:32	WG2302420
Styrene	U		0.000311	0.0170	1	06/11/2024 13:32	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00129	0.00340	1	06/11/2024 13:32	WG2302420
1,1,2,2-Tetrachloroethane	U		0.000944	0.00340	1	06/11/2024 13:32	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.00102	0.00340	1	06/11/2024 13:32	WG2302420
Tetrachloroethene	U		0.00122	0.00340	1	06/11/2024 13:32	WG2302420
Toluene	U		0.00177	0.00679	1	06/11/2024 13:32	WG2302420
1,2,3-Trichlorobenzene	U		0.00996	0.0170	1	06/11/2024 13:32	WG2302420
1,2,4-Trichlorobenzene	U		0.00598	0.0170	1	06/11/2024 13:32	WG2302420
1,1,1-Trichloroethane	U		0.00125	0.00340	1	06/11/2024 13:32	WG2302420
1,1,2-Trichloroethane	U		0.000811	0.00340	1	06/11/2024 13:32	WG2302420
Trichloroethene	U		0.000793	0.00136	1	06/11/2024 13:32	WG2302420
Trichlorofluoromethane	U		0.00112	0.00340	1	06/11/2024 13:32	WG2302420
1,2,3-Trichloropropane	U		0.00220	0.0170	1	06/11/2024 13:32	WG2302420
1,2,4-Trimethylbenzene	U		0.00215	0.00679	1	06/11/2024 13:32	WG2302420
1,2,3-Trimethylbenzene	U		0.00215	0.00679	1	06/11/2024 13:32	WG2302420
1,3,5-Trimethylbenzene	U		0.00272	0.00679	1	06/11/2024 13:32	WG2302420
Vinyl chloride	U		0.00158	0.00340	1	06/11/2024 13:32	WG2302420
Xylenes, Total	U		0.00120	0.00883	1	06/11/2024 13:32	WG2302420
(S) Toluene-d8	*94.5*			*75.0-131*		*06/11/2024 13:32*	WG2302420
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*06/11/2024 13:32*	WG2302420
(S) 1,2-Dichloroethane-d4	*79.1*			*70.0-130*		*06/11/2024 13:32*	WG2302420

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.851	4.64	1	06/11/2024 12:46	WG2302178
C22-C32 Hydrocarbons	U		1.54	4.64	1	06/11/2024 12:46	WG2302178
C32-C40 Hydrocarbons	U		1.54	4.64	1	06/11/2024 12:46	WG2302178
(S) o-Terphenyl	*57.0*			*18.0-148*		*06/11/2024 12:46*	WG2302178

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	06/10/2024 12:51	WG2300492

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.275		0.0198	0.0439	1	06/08/2024 18:12	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.73		0.597	2.19	1	06/09/2024 17:50	WG2300701
Arsenic	2.67		0.568	2.19	1	06/09/2024 17:50	WG2300701
Barium	200		0.0935	0.549	1	06/09/2024 17:50	WG2300701
Beryllium	0.408		0.0346	0.219	1	06/09/2024 17:50	WG2300701
Cadmium	0.886		0.0517	0.549	1	06/09/2024 17:50	WG2300701
Chromium	48.8		0.146	1.10	1	06/09/2024 17:50	WG2300701
Cobalt	9.54		0.0890	1.10	1	06/09/2024 17:50	WG2300701
Copper	57.5		0.439	2.19	1	06/09/2024 17:50	WG2300701
Lead	291		0.228	0.549	1	06/09/2024 17:50	WG2300701
Molybdenum	1.54		0.120	0.549	1	06/09/2024 17:50	WG2300701
Nickel	55.6		0.145	2.19	1	06/09/2024 17:50	WG2300701
Selenium	1.68	J	0.838	2.19	1	06/09/2024 17:50	WG2300701
Silver	0.467	J	0.139	1.10	1	06/09/2024 17:50	WG2300701
Thallium	U		0.432	2.19	1	06/09/2024 17:50	WG2300701
Vanadium	43.1		0.555	2.19	1	06/09/2024 17:50	WG2300701
Zinc	309		0.913	5.49	1	06/09/2024 17:50	WG2300701

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0373	1	06/13/2024 11:41	WG2303247
PCB 1221	U		0.0129	0.0373	1	06/13/2024 11:41	WG2303247
PCB 1232	U		0.0129	0.0373	1	06/13/2024 11:41	WG2303247
PCB 1242	U		0.0129	0.0373	1	06/13/2024 11:41	WG2303247
PCB 1248	U		0.00810	0.0187	1	06/13/2024 11:41	WG2303247
PCB 1254	U		0.00810	0.0187	1	06/13/2024 11:41	WG2303247
PCB 1260	1.12		0.0405	0.0933	5	06/19/2024 01:23	WG2303247
(S) Decachlorobiphenyl	*72.1*			*10.0-135*		*06/13/2024 11:41*	WG2303247
(S) Decachlorobiphenyl	*92.2*			*10.0-135*		*06/19/2024 01:23*	WG2303247
(S) Tetrachloro-m-xylene	*62.8*			*10.0-139*		*06/13/2024 11:41*	WG2303247
(S) Tetrachloro-m-xylene	*75.5*			*10.0-139*		*06/19/2024 01:23*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0591	0.365	10	06/11/2024 06:49	WG2301591
Acenaphthylene	0.124	J	0.0515	0.365	10	06/11/2024 06:49	WG2301591
Anthracene	0.0690	J	0.0651	0.365	10	06/11/2024 06:49	WG2301591
Benzidine	U		0.687	18.3	10	06/11/2024 06:49	WG2301591
Benzo(a)anthracene	0.291	J	0.0644	0.365	10	06/11/2024 06:49	WG2301591
Benzo(b)fluoranthene	0.542		0.0681	0.365	10	06/11/2024 06:49	WG2301591
Benzo(k)fluoranthene	0.172	J	0.0650	0.365	10	06/11/2024 06:49	WG2301591
Benzo(g,h,i)perylene	0.335	J	0.0668	0.365	10	06/11/2024 06:49	WG2301591
Benzo(a)pyrene	0.404		0.0679	0.365	10	06/11/2024 06:49	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.110	3.65	10	06/11/2024 06:49	WG2301591
Bis(2-chloroethyl)ether	U		0.121	3.65	10	06/11/2024 06:49	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.158	3.65	10	06/11/2024 06:49	WG2301591
4-Bromophenyl-phenylether	U		0.128	3.65	10	06/11/2024 06:49	WG2301591
2-Chloronaphthalene	U		0.0642	0.365	10	06/11/2024 06:49	WG2301591
4-Chlorophenyl-phenylether	U		0.127	3.65	10	06/11/2024 06:49	WG2301591
Chrysene	0.357	J	0.0726	0.365	10	06/11/2024 06:49	WG2301591
Dibenz(a,h)anthracene	U		0.101	0.365	10	06/11/2024 06:49	WG2301591
1,2-Dichlorobenzene	U		0.108	3.65	10	06/11/2024 06:49	WG2301591
1,3-Dichlorobenzene	U		0.111	3.65	10	06/11/2024 06:49	WG2301591
1,4-Dichlorobenzene	U		0.109	3.65	10	06/11/2024 06:49	WG2301591
3,3-Dichlorobenzidine	U		0.135	3.65	10	06/11/2024 06:49	WG2301591
2,4-Dinitrotoluene	U		0.105	3.65	10	06/11/2024 06:49	WG2301591
2,6-Dinitrotoluene	U		0.120	3.65	10	06/11/2024 06:49	WG2301591
Fluoranthene	0.311	J	0.0659	0.365	10	06/11/2024 06:49	WG2301591
Fluorene	U		0.0595	0.365	10	06/11/2024 06:49	WG2301591
Hexachlorobenzene	U		0.129	3.65	10	06/11/2024 06:49	WG2301591
Hexachloro-1,3-butadiene	U		0.123	3.65	10	06/11/2024 06:49	WG2301591
Hexachlorocyclopentadiene	U		0.192	3.65	10	06/11/2024 06:49	WG2301591
Hexachloroethane	U		0.144	3.65	10	06/11/2024 06:49	WG2301591
Indeno(1,2,3-cd)pyrene	0.300	J	0.103	0.365	10	06/11/2024 06:49	WG2301591
Isophorone	U		0.112	3.65	10	06/11/2024 06:49	WG2301591
Naphthalene	U		0.0917	0.365	10	06/11/2024 06:49	WG2301591
Nitrobenzene	U		0.127	3.65	10	06/11/2024 06:49	WG2301591
n-Nitrosodimethylamine	U		0.542	3.65	10	06/11/2024 06:49	WG2301591
n-Nitrosodiphenylamine	U		0.277	3.65	10	06/11/2024 06:49	WG2301591
n-Nitrosodi-n-propylamine	U		0.122	3.65	10	06/11/2024 06:49	WG2301591
Phenanthrene	0.189	J	0.0725	0.365	10	06/11/2024 06:49	WG2301591
Benzylbutyl phthalate	U		0.114	3.65	10	06/11/2024 06:49	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.463	3.65	10	06/11/2024 06:49	WG2301591
Di-n-butyl phthalate	U		0.125	3.65	10	06/11/2024 06:49	WG2301591
Diethyl phthalate	U		0.121	3.65	10	06/11/2024 06:49	WG2301591
Dimethyl phthalate	U		0.775	3.65	10	06/11/2024 06:49	WG2301591
Di-n-octyl phthalate	U		0.247	3.65	10	06/11/2024 06:49	WG2301591
Pyrene	0.422		0.0711	0.365	10	06/11/2024 06:49	WG2301591
1,2,4-Trichlorobenzene	U		0.114	3.65	10	06/11/2024 06:49	WG2301591
4-Chloro-3-methylphenol	U		0.119	3.65	10	06/11/2024 06:49	WG2301591
2-Chlorophenol	U		0.121	3.65	10	06/11/2024 06:49	WG2301591
2,4-Dichlorophenol	U		0.106	3.65	10	06/11/2024 06:49	WG2301591
2,4-Dimethylphenol	U		0.0955	3.65	10	06/11/2024 06:49	WG2301591
4,6-Dinitro-2-methylphenol	U		0.828	3.65	10	06/11/2024 06:49	WG2301591
2,4-Dinitrophenol	U		0.855	3.65	10	06/11/2024 06:49	WG2301591
2-Nitrophenol	U		0.131	3.65	10	06/11/2024 06:49	WG2301591
4-Nitrophenol	U		0.114	3.65	10	06/11/2024 06:49	WG2301591
Pentachlorophenol	U		0.0983	3.65	10	06/11/2024 06:49	WG2301591
Phenol	U		0.147	3.65	10	06/11/2024 06:49	WG2301591
2,4,6-Trichlorophenol	U		0.117	3.65	10	06/11/2024 06:49	WG2301591
(S) 2-Fluorophenol	*61.5*			*12.0-120*		*06/11/2024 06:49*	WG2301591
(S) Phenol-d5	*51.2*			*10.0-120*		*06/11/2024 06:49*	WG2301591
(S) Nitrobenzene-d5	*58.1*			*10.0-122*		*06/11/2024 06:49*	WG2301591
(S) 2-Fluorobiphenyl	*57.8*			*15.0-120*		*06/11/2024 06:49*	WG2301591
(S) 2,4,6-Tribromophenol	*42.4*			*10.0-127*		*06/11/2024 06:49*	WG2301591
(S) p-Terphenyl-d14	*58.4*			*10.0-120*		*06/11/2024 06:49*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	06/10/2024 12:51	WG2300492

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.159		0.0200	0.0445	1	06/08/2024 18:14	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.21		0.605	2.22	1	06/09/2024 17:52	WG2300701
Arsenic	1.85	J	0.576	2.22	1	06/09/2024 17:52	WG2300701
Barium	166		0.0947	0.556	1	06/09/2024 17:52	WG2300701
Beryllium	0.494		0.0350	0.222	1	06/09/2024 17:52	WG2300701
Cadmium	0.829		0.0524	0.556	1	06/09/2024 17:52	WG2300701
Chromium	51.7		0.148	1.11	1	06/09/2024 17:52	WG2300701
Cobalt	8.62		0.0901	1.11	1	06/09/2024 17:52	WG2300701
Copper	44.6		0.445	2.22	1	06/09/2024 17:52	WG2300701
Lead	381		0.231	0.556	1	06/09/2024 17:52	WG2300701
Molybdenum	1.02		0.121	0.556	1	06/09/2024 17:52	WG2300701
Nickel	57.6		0.147	2.22	1	06/09/2024 17:52	WG2300701
Selenium	U		0.849	2.22	1	06/09/2024 17:52	WG2300701
Silver	0.339	J	0.141	1.11	1	06/09/2024 17:52	WG2300701
Thallium	U		0.438	2.22	1	06/09/2024 17:52	WG2300701
Vanadium	37.3		0.562	2.22	1	06/09/2024 17:52	WG2300701
Zinc	280		0.925	5.56	1	06/09/2024 17:52	WG2300701

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0902	0.124	2	06/13/2024 00:28	WG2303955
Acrylonitrile	U		0.00892	0.0309	2	06/13/2024 00:28	WG2303955
Benzene	U		0.00115	0.00247	2	06/13/2024 00:28	WG2303955
Bromobenzene	U		0.00222	0.0309	2	06/13/2024 00:28	WG2303955
Bromodichloromethane	U		0.00179	0.00618	2	06/13/2024 00:28	WG2303955
Bromoform	U		0.00289	0.0618	2	06/13/2024 00:28	WG2303955
Bromomethane	U		0.00487	0.0309	2	06/13/2024 00:28	WG2303955
n-Butylbenzene	U		0.0130	0.0309	2	06/13/2024 00:28	WG2303955
sec-Butylbenzene	U		0.00712	0.0309	2	06/13/2024 00:28	WG2303955
tert-Butylbenzene	U		0.00482	0.0124	2	06/13/2024 00:28	WG2303955
Carbon tetrachloride	0.00817	J	0.00222	0.0124	2	06/13/2024 00:28	WG2303955
Chlorobenzene	U		0.000519	0.00618	2	06/13/2024 00:28	WG2303955
Chlorodibromomethane	U		0.00151	0.00618	2	06/13/2024 00:28	WG2303955
Chloroethane	U		0.00420	0.0124	2	06/13/2024 00:28	WG2303955
Chloroform	U		0.00254	0.00618	2	06/13/2024 00:28	WG2303955
Chloromethane	U		0.0107	0.0309	2	06/13/2024 00:28	WG2303955
2-Chlorotoluene	U		0.00214	0.00618	2	06/13/2024 00:28	WG2303955
4-Chlorotoluene	U		0.00111	0.0124	2	06/13/2024 00:28	WG2303955
1,2-Dibromo-3-Chloropropane	U		0.00964	0.0618	2	06/13/2024 00:28	WG2303955
1,2-Dibromoethane	U		0.00161	0.00618	2	06/13/2024 00:28	WG2303955
Dibromomethane	U		0.00185	0.0124	2	06/13/2024 00:28	WG2303955
1,2-Dichlorobenzene	U		0.00105	0.0124	2	06/13/2024 00:28	WG2303955
1,3-Dichlorobenzene	U		0.00148	0.0124	2	06/13/2024 00:28	WG2303955
1,4-Dichlorobenzene	U		0.00173	0.0124	2	06/13/2024 00:28	WG2303955

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00398	0.0124	2	06/13/2024 00:28	WG2303955
1,1-Dichloroethane	0.0640		0.00121	0.00618	2	06/13/2024 00:28	WG2303955
1,2-Dichloroethane	U		0.00161	0.00618	2	06/13/2024 00:28	WG2303955
1,1-Dichloroethene	U		0.00149	0.00618	2	06/13/2024 00:28	WG2303955
cis-1,2-Dichloroethene	U		0.00182	0.00618	2	06/13/2024 00:28	WG2303955
trans-1,2-Dichloroethene	U		0.00257	0.0124	2	06/13/2024 00:28	WG2303955
1,2-Dichloropropane	U		0.00351	0.0124	2	06/13/2024 00:28	WG2303955
1,1-Dichloropropene	U		0.00200	0.00618	2	06/13/2024 00:28	WG2303955
1,3-Dichloropropane	U		0.00124	0.0124	2	06/13/2024 00:28	WG2303955
cis-1,3-Dichloropropene	U		0.00187	0.00618	2	06/13/2024 00:28	WG2303955
trans-1,3-Dichloropropene	U		0.00282	0.0124	2	06/13/2024 00:28	WG2303955
2,2-Dichloropropane	U		0.00341	0.00618	2	06/13/2024 00:28	WG2303955
Di-isopropyl ether	U		0.00101	0.00247	2	06/13/2024 00:28	WG2303955
Ethylbenzene	U		0.00182	0.00618	2	06/13/2024 00:28	WG2303955
Hexachloro-1,3-butadiene	U		0.0148	0.0618	2	06/13/2024 00:28	WG2303955
Isopropylbenzene	U		0.00105	0.00618	2	06/13/2024 00:28	WG2303955
p-Isopropyltoluene	U		0.00630	0.0124	2	06/13/2024 00:28	WG2303955
2-Butanone (MEK)	U		0.157	0.247	2	06/13/2024 00:28	WG2303955
Methylene Chloride	U		0.0164	0.0618	2	06/13/2024 00:28	WG2303955
4-Methyl-2-pentanone (MIBK)	U		0.00563	0.0618	2	06/13/2024 00:28	WG2303955
Methyl tert-butyl ether	U		0.000865	0.00247	2	06/13/2024 00:28	WG2303955
Naphthalene	0.0143	J	0.0121	0.0309	2	06/13/2024 00:28	WG2303955
n-Propylbenzene	U		0.00235	0.0124	2	06/13/2024 00:28	WG2303955
Styrene	U		0.000566	0.0309	2	06/13/2024 00:28	WG2303955
1,1,1,2-Tetrachloroethane	U		0.00235	0.00618	2	06/13/2024 00:28	WG2303955
1,1,2,2-Tetrachloroethane	U		0.00172	0.00618	2	06/13/2024 00:28	WG2303955
1,1,2-Trichlorotrifluoroethane	U		0.00187	0.00618	2	06/13/2024 00:28	WG2303955
Tetrachloroethene	0.00327	J	0.00221	0.00618	2	06/13/2024 00:28	WG2303955
Toluene	0.00405	J	0.00321	0.0124	2	06/13/2024 00:28	WG2303955
1,2,3-Trichlorobenzene	U		0.0182	0.0309	2	06/13/2024 00:28	WG2303955
1,2,4-Trichlorobenzene	U		0.0109	0.0309	2	06/13/2024 00:28	WG2303955
1,1,1-Trichloroethane	0.0717		0.00229	0.00618	2	06/13/2024 00:28	WG2303955
1,1,2-Trichloroethane	U		0.00147	0.00618	2	06/13/2024 00:28	WG2303955
Trichloroethene	0.0831		0.00145	0.00247	2	06/13/2024 00:28	WG2303955
Trichlorofluoromethane	U		0.00204	0.00618	2	06/13/2024 00:28	WG2303955
1,2,3-Trichloropropane	U		0.00400	0.0309	2	06/13/2024 00:28	WG2303955
1,2,4-Trimethylbenzene	U		0.00390	0.0124	2	06/13/2024 00:28	WG2303955
1,2,3-Trimethylbenzene	U		0.00390	0.0124	2	06/13/2024 00:28	WG2303955
1,3,5-Trimethylbenzene	U		0.00494	0.0124	2	06/13/2024 00:28	WG2303955
Vinyl chloride	U		0.00287	0.00618	2	06/13/2024 00:28	WG2303955
Xylenes, Total	0.00551	J	0.00217	0.0161	2	06/13/2024 00:28	WG2303955
(S) Toluene-d8	*113*			*75.0-131*		*06/13/2024 00:28*	WG2303955
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*06/13/2024 00:28*	WG2303955
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/13/2024 00:28*	WG2303955

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0131	0.0378	1	06/13/2024 12:08	WG2303247
PCB 1221	U		0.0131	0.0378	1	06/13/2024 12:08	WG2303247
PCB 1232	U		0.0131	0.0378	1	06/13/2024 12:08	WG2303247
PCB 1242	U		0.0131	0.0378	1	06/13/2024 12:08	WG2303247
PCB 1248	U		0.00820	0.0189	1	06/13/2024 12:08	WG2303247
PCB 1254	U		0.00820	0.0189	1	06/13/2024 12:08	WG2303247
PCB 1260	1.40		0.0410	0.0945	5	06/14/2024 16:12	WG2303247
(S) Decachlorobiphenyl	*66.3*			*10.0-135*		*06/13/2024 12:08*	WG2303247

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Decachlorobiphenyl	*75.1*			*10.0-135*		*06/14/2024 16:12*	WG2303247
(S) Tetrachloro-m-xylene	*56.3*			*10.0-139*		*06/14/2024 16:12*	WG2303247
(S) Tetrachloro-m-xylene	*61.0*			*10.0-139*		*06/13/2024 12:08*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0120	0.0740	2	06/11/2024 04:20	WG2301591
Acenaphthylene	0.0415	J	0.0104	0.0740	2	06/11/2024 04:20	WG2301591
Anthracene	0.0313	J	0.0132	0.0740	2	06/11/2024 04:20	WG2301591
Benzidine	U		0.139	3.71	2	06/11/2024 04:20	WG2301591
Benzo(a)anthracene	0.128		0.0130	0.0740	2	06/11/2024 04:20	WG2301591
Benzo(b)fluoranthene	0.203		0.0138	0.0740	2	06/11/2024 04:20	WG2301591
Benzo(k)fluoranthene	0.0840		0.0131	0.0740	2	06/11/2024 04:20	WG2301591
Benzo(g,h,i)perylene	0.147		0.0136	0.0740	2	06/11/2024 04:20	WG2301591
Benzo(a)pyrene	0.158		0.0138	0.0740	2	06/11/2024 04:20	WG2301591
Bis(2-chlorethoxy)methane	U		0.0222	0.740	2	06/11/2024 04:20	WG2301591
Bis(2-chloroethyl)ether	U		0.0245	0.740	2	06/11/2024 04:20	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0320	0.740	2	06/11/2024 04:20	WG2301591
4-Bromophenyl-phenylether	U		0.0260	0.740	2	06/11/2024 04:20	WG2301591
2-Chloronaphthalene	U		0.0130	0.0740	2	06/11/2024 04:20	WG2301591
4-Chlorophenyl-phenylether	U		0.0258	0.740	2	06/11/2024 04:20	WG2301591
Chrysene	0.149		0.0147	0.0740	2	06/11/2024 04:20	WG2301591
Dibenz(a,h)anthracene	0.0310	J	0.0206	0.0740	2	06/11/2024 04:20	WG2301591
1,2-Dichlorobenzene	U		0.0219	0.740	2	06/11/2024 04:20	WG2301591
1,3-Dichlorobenzene	U		0.0225	0.740	2	06/11/2024 04:20	WG2301591
1,4-Dichlorobenzene	U		0.0220	0.740	2	06/11/2024 04:20	WG2301591
3,3-Dichlorobenzidine	U		0.0273	0.740	2	06/11/2024 04:20	WG2301591
2,4-Dinitrotoluene	U		0.0212	0.740	2	06/11/2024 04:20	WG2301591
2,6-Dinitrotoluene	U		0.0242	0.740	2	06/11/2024 04:20	WG2301591
Fluoranthene	0.139		0.0133	0.0740	2	06/11/2024 04:20	WG2301591
Fluorene	U		0.0120	0.0740	2	06/11/2024 04:20	WG2301591
Hexachlorobenzene	U		0.0262	0.740	2	06/11/2024 04:20	WG2301591
Hexachloro-1,3-butadiene	U		0.0249	0.740	2	06/11/2024 04:20	WG2301591
Hexachlorocyclopentadiene	U		0.0389	0.740	2	06/11/2024 04:20	WG2301591
Hexachloroethane	U		0.0291	0.740	2	06/11/2024 04:20	WG2301591
Indeno(1,2,3-cd)pyrene	0.136		0.0209	0.0740	2	06/11/2024 04:20	WG2301591
Isophorone	U		0.0227	0.740	2	06/11/2024 04:20	WG2301591
Naphthalene	U		0.0186	0.0740	2	06/11/2024 04:20	WG2301591
Nitrobenzene	U		0.0258	0.740	2	06/11/2024 04:20	WG2301591
n-Nitrosodimethylamine	U		0.110	0.740	2	06/11/2024 04:20	WG2301591
n-Nitrosodiphenylamine	U		0.0560	0.740	2	06/11/2024 04:20	WG2301591
n-Nitrosodi-n-propylamine	U		0.0247	0.740	2	06/11/2024 04:20	WG2301591
Phenanthrene	0.0859		0.0147	0.0740	2	06/11/2024 04:20	WG2301591
Benzylbutyl phthalate	U		0.0231	0.740	2	06/11/2024 04:20	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0938	0.740	2	06/11/2024 04:20	WG2301591
Di-n-butyl phthalate	U		0.0253	0.740	2	06/11/2024 04:20	WG2301591
Diethyl phthalate	U		0.0245	0.740	2	06/11/2024 04:20	WG2301591
Dimethyl phthalate	U		0.157	0.740	2	06/11/2024 04:20	WG2301591
Di-n-octyl phthalate	U		0.0500	0.740	2	06/11/2024 04:20	WG2301591
Pyrene	0.176		0.0145	0.0740	2	06/11/2024 04:20	WG2301591
1,2,4-Trichlorobenzene	U		0.0231	0.740	2	06/11/2024 04:20	WG2301591
4-Chloro-3-methylphenol	U		0.0240	0.740	2	06/11/2024 04:20	WG2301591
2-Chlorophenol	U		0.0245	0.740	2	06/11/2024 04:20	WG2301591
2,4-Dichlorophenol	U		0.0216	0.740	2	06/11/2024 04:20	WG2301591
2,4-Dimethylphenol	U		0.0193	0.740	2	06/11/2024 04:20	WG2301591

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4,6-Dinitro-2-methylphenol	U		0.168	0.740	2	06/11/2024 04:20	WG2301591
2,4-Dinitrophenol	U		0.173	0.740	2	06/11/2024 04:20	WG2301591
2-Nitrophenol	U		0.0265	0.740	2	06/11/2024 04:20	WG2301591
4-Nitrophenol	U		0.0231	0.740	2	06/11/2024 04:20	WG2301591
Pentachlorophenol	U		0.0199	0.740	2	06/11/2024 04:20	WG2301591
Phenol	U		0.0298	0.740	2	06/11/2024 04:20	WG2301591
2,4,6-Trichlorophenol	U		0.0238	0.740	2	06/11/2024 04:20	WG2301591
(S) 2-Fluorophenol	*62.2*			*12.0-120*		*06/11/2024 04:20*	WG2301591
(S) Phenol-d5	*54.4*			*10.0-120*		*06/11/2024 04:20*	WG2301591
(S) Nitrobenzene-d5	*56.2*			*10.0-122*		*06/11/2024 04:20*	WG2301591
(S) 2-Fluorobiphenyl	*63.7*			*15.0-120*		*06/11/2024 04:20*	WG2301591
(S) 2,4,6-Tribromophenol	*39.0*			*10.0-127*		*06/11/2024 04:20*	WG2301591
(S) p-Terphenyl-d14	*58.0*			*10.0-120*		*06/11/2024 04:20*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	06/10/2024 12:51	WG2300492

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.215		0.0228	0.0506	1	06/08/2024 18:17	WG2300583

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	13.1		0.689	2.53	1	06/09/2024 17:54	WG2300701
Arsenic	1.12	J	0.656	2.53	1	06/09/2024 17:54	WG2300701
Barium	269		0.108	0.633	1	06/09/2024 17:54	WG2300701
Beryllium	0.271		0.0399	0.253	1	06/09/2024 17:54	WG2300701
Cadmium	1.04		0.0596	0.633	1	06/09/2024 17:54	WG2300701
Chromium	57.8		0.168	1.27	1	06/09/2024 17:54	WG2300701
Cobalt	8.47		0.103	1.27	1	06/09/2024 17:54	WG2300701
Copper	102		0.506	2.53	1	06/09/2024 17:54	WG2300701
Lead	644		0.263	0.633	1	06/09/2024 17:54	WG2300701
Molybdenum	4.22		0.138	0.633	1	06/09/2024 17:54	WG2300701
Nickel	52.2		0.167	2.53	1	06/09/2024 17:54	WG2300701
Selenium	U		0.967	2.53	1	06/09/2024 17:54	WG2300701
Silver	0.430	J	0.161	1.27	1	06/09/2024 17:54	WG2300701
Thallium	U		0.499	2.53	1	06/09/2024 17:54	WG2300701
Vanadium	39.3		0.641	2.53	1	06/09/2024 17:54	WG2300701
Zinc	345		1.05	6.33	1	06/09/2024 17:54	WG2300701

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.89	B J	1.29	3.88	25	06/10/2024 16:19	WG2302200
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/10/2024 16:19*	WG2302200

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0567	0.0776	1	06/11/2024 13:54	WG2302420
Acrylonitrile	U		0.00560	0.0194	1	06/11/2024 13:54	WG2302420
Benzene	0.00115	J	0.000725	0.00155	1	06/11/2024 13:54	WG2302420
Bromobenzene	U		0.00140	0.0194	1	06/11/2024 13:54	WG2302420
Bromodichloromethane	U		0.00113	0.00388	1	06/11/2024 13:54	WG2302420
Bromoform	U		0.00182	0.0388	1	06/11/2024 13:54	WG2302420
Bromomethane	U		0.00306	0.0194	1	06/11/2024 13:54	WG2302420
n-Butylbenzene	U		0.00815	0.0194	1	06/11/2024 13:54	WG2302420
sec-Butylbenzene	U		0.00447	0.0194	1	06/11/2024 13:54	WG2302420
tert-Butylbenzene	U		0.00303	0.00776	1	06/11/2024 13:54	WG2302420
Carbon tetrachloride	U		0.00139	0.00776	1	06/11/2024 13:54	WG2302420
Chlorobenzene	0.000866	J	0.000326	0.00388	1	06/11/2024 13:54	WG2302420
Chlorodibromomethane	U		0.000950	0.00388	1	06/11/2024 13:54	WG2302420
Chloroethane	U		0.00264	0.00776	1	06/11/2024 13:54	WG2302420
Chloroform	U		0.00160	0.00388	1	06/11/2024 13:54	WG2302420
Chloromethane	U		0.00675	0.0194	1	06/11/2024 13:54	WG2302420
2-Chlorotoluene	U		0.00134	0.00388	1	06/11/2024 13:54	WG2302420
4-Chlorotoluene	U		0.000699	0.00776	1	06/11/2024 13:54	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00605	0.0388	1	06/11/2024 13:54	WG2302420
1,2-Dibromoethane	U		0.00101	0.00388	1	06/11/2024 13:54	WG2302420
Dibromomethane	U		0.00116	0.00776	1	06/11/2024 13:54	WG2302420
1,2-Dichlorobenzene	0.00108	J	0.000660	0.00776	1	06/11/2024 13:54	WG2302420
1,3-Dichlorobenzene	U		0.000931	0.00776	1	06/11/2024 13:54	WG2302420
1,4-Dichlorobenzene	U		0.00109	0.00776	1	06/11/2024 13:54	WG2302420
Dichlorodifluoromethane	U		0.00250	0.00776	1	06/11/2024 13:54	WG2302420
1,1-Dichloroethane	0.118		0.000762	0.00388	1	06/11/2024 13:54	WG2302420
1,2-Dichloroethane	U		0.00101	0.00388	1	06/11/2024 13:54	WG2302420
1,1-Dichloroethene	0.00357	J	0.000941	0.00388	1	06/11/2024 13:54	WG2302420
cis-1,2-Dichloroethene	0.00343	J	0.00114	0.00388	1	06/11/2024 13:54	WG2302420
trans-1,2-Dichloroethene	U		0.00161	0.00776	1	06/11/2024 13:54	WG2302420
1,2-Dichloropropane	U		0.00220	0.00776	1	06/11/2024 13:54	WG2302420
1,1-Dichloropropene	U		0.00126	0.00388	1	06/11/2024 13:54	WG2302420
1,3-Dichloropropane	U		0.000778	0.00776	1	06/11/2024 13:54	WG2302420
cis-1,3-Dichloropropene	U		0.00118	0.00388	1	06/11/2024 13:54	WG2302420
trans-1,3-Dichloropropene	U		0.00177	0.00776	1	06/11/2024 13:54	WG2302420
2,2-Dichloropropane	U		0.00214	0.00388	1	06/11/2024 13:54	WG2302420
Di-isopropyl ether	U		0.000636	0.00155	1	06/11/2024 13:54	WG2302420
Ethylbenzene	U		0.00114	0.00388	1	06/11/2024 13:54	WG2302420
Hexachloro-1,3-butadiene	U		0.00931	0.0388	1	06/11/2024 13:54	WG2302420
Isopropylbenzene	U		0.000660	0.00388	1	06/11/2024 13:54	WG2302420
p-Isopropyltoluene	U		0.00396	0.00776	1	06/11/2024 13:54	WG2302420
2-Butanone (MEK)	U		0.0986	0.155	1	06/11/2024 13:54	WG2302420
Methylene Chloride	U		0.0103	0.0388	1	06/11/2024 13:54	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00354	0.0388	1	06/11/2024 13:54	WG2302420
Methyl tert-butyl ether	U		0.000543	0.00155	1	06/11/2024 13:54	WG2302420
Naphthalene	U		0.00758	0.0194	1	06/11/2024 13:54	WG2302420
n-Propylbenzene	U		0.00147	0.00776	1	06/11/2024 13:54	WG2302420
Styrene	U		0.000356	0.0194	1	06/11/2024 13:54	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00147	0.00388	1	06/11/2024 13:54	WG2302420
1,1,2,2-Tetrachloroethane	U		0.00108	0.00388	1	06/11/2024 13:54	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.00117	0.00388	1	06/11/2024 13:54	WG2302420
Tetrachloroethene	0.00425		0.00139	0.00388	1	06/11/2024 13:54	WG2302420
Toluene	0.00206	J	0.00202	0.00776	1	06/11/2024 13:54	WG2302420
1,2,3-Trichlorobenzene	U		0.0114	0.0194	1	06/11/2024 13:54	WG2302420
1,2,4-Trichlorobenzene	U		0.00683	0.0194	1	06/11/2024 13:54	WG2302420
1,1,1-Trichloroethane	0.0419		0.00143	0.00388	1	06/11/2024 13:54	WG2302420
1,1,2-Trichloroethane	U		0.000927	0.00388	1	06/11/2024 13:54	WG2302420
Trichloroethene	0.145		0.000907	0.00155	1	06/11/2024 13:54	WG2302420
Trichlorofluoromethane	U		0.00128	0.00388	1	06/11/2024 13:54	WG2302420
1,2,3-Trichloropropane	U		0.00251	0.0194	1	06/11/2024 13:54	WG2302420
1,2,4-Trimethylbenzene	0.00329	J	0.00245	0.00776	1	06/11/2024 13:54	WG2302420
1,2,3-Trimethylbenzene	U		0.00245	0.00776	1	06/11/2024 13:54	WG2302420
1,3,5-Trimethylbenzene	U		0.00310	0.00776	1	06/11/2024 13:54	WG2302420
Vinyl chloride	U		0.00180	0.00388	1	06/11/2024 13:54	WG2302420
Xylenes, Total	0.00256	J	0.00137	0.0101	1	06/11/2024 13:54	WG2302420
(S) Toluene-d8	*94.8*			*75.0-131*		*06/11/2024 13:54*	WG2302420
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*06/11/2024 13:54*	WG2302420
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*06/11/2024 13:54*	WG2302420

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	310		37.1	203	40	06/11/2024 20:42	WG2302178
C22-C32 Hydrocarbons	2280		67.4	203	40	06/11/2024 20:42	WG2302178
C32-C40 Hydrocarbons	1170		67.4	203	40	06/11/2024 20:42	WG2302178
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/11/2024 20:42*	WG2302178

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0149	0.0431	1	07/01/2024 23:17	WG2314791
PCB 1221	U		0.0149	0.0431	1	07/01/2024 23:17	WG2314791
PCB 1232	U		0.0149	0.0431	1	07/01/2024 23:17	WG2314791
PCB 1242	U		0.0149	0.0431	1	07/01/2024 23:17	WG2314791
PCB 1248	U		0.00934	0.0215	1	07/01/2024 23:17	WG2314791
PCB 1254	U		0.00934	0.0215	1	07/01/2024 23:17	WG2314791
PCB 1260	0.997		0.00934	0.0215	1	07/01/2024 23:17	WG2314791
(S) Decachlorobiphenyl	*77.4*			*10.0-135*		*07/01/2024 23:17*	WG2314791
(S) Tetrachloro-m-xylene	*80.9*			*10.0-139*		*07/01/2024 23:17*	WG2314791

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0682	0.422	10	06/11/2024 07:10	WG2301591
Acenaphthylene	0.122	J	0.0594	0.422	10	06/11/2024 07:10	WG2301591
Anthracene	U		0.0751	0.422	10	06/11/2024 07:10	WG2301591
Benzidine	U		0.793	21.1	10	06/11/2024 07:10	WG2301591
Benzo(a)anthracene	0.121	J	0.0743	0.422	10	06/11/2024 07:10	WG2301591
Benzo(b)fluoranthene	0.287	J	0.0786	0.422	10	06/11/2024 07:10	WG2301591
Benzo(k)fluoranthene	0.0841	J	0.0750	0.422	10	06/11/2024 07:10	WG2301591
Benzo(g,h,i)perylene	0.196	J	0.0771	0.422	10	06/11/2024 07:10	WG2301591
Benzo(a)pyrene	0.217	J	0.0784	0.422	10	06/11/2024 07:10	WG2301591
Bis(2-chlorethoxy)methane	U		0.127	4.22	10	06/11/2024 07:10	WG2301591
Bis(2-chloroethyl)ether	U		0.139	4.22	10	06/11/2024 07:10	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.182	4.22	10	06/11/2024 07:10	WG2301591
4-Bromophenyl-phenylether	U		0.148	4.22	10	06/11/2024 07:10	WG2301591
2-Chloronaphthalene	U		0.0741	0.422	10	06/11/2024 07:10	WG2301591
4-Chlorophenyl-phenylether	U		0.147	4.22	10	06/11/2024 07:10	WG2301591
Chrysene	0.173	J	0.0838	0.422	10	06/11/2024 07:10	WG2301591
Dibenz(a,h)anthracene	U		0.117	0.422	10	06/11/2024 07:10	WG2301591
1,2-Dichlorobenzene	U		0.125	4.22	10	06/11/2024 07:10	WG2301591
1,3-Dichlorobenzene	U		0.128	4.22	10	06/11/2024 07:10	WG2301591
1,4-Dichlorobenzene	U		0.125	4.22	10	06/11/2024 07:10	WG2301591
3,3-Dichlorobenzidine	U		0.156	4.22	10	06/11/2024 07:10	WG2301591
2,4-Dinitrotoluene	U		0.121	4.22	10	06/11/2024 07:10	WG2301591
2,6-Dinitrotoluene	U		0.138	4.22	10	06/11/2024 07:10	WG2301591
Fluoranthene	0.143	J	0.0761	0.422	10	06/11/2024 07:10	WG2301591
Fluorene	U		0.0686	0.422	10	06/11/2024 07:10	WG2301591
Hexachlorobenzene	U		0.149	4.22	10	06/11/2024 07:10	WG2301591
Hexachloro-1,3-butadiene	U		0.142	4.22	10	06/11/2024 07:10	WG2301591
Hexachlorocyclopentadiene	U		0.222	4.22	10	06/11/2024 07:10	WG2301591
Hexachloroethane	U		0.166	4.22	10	06/11/2024 07:10	WG2301591
Indeno(1,2,3-cd)pyrene	0.203	J	0.119	0.422	10	06/11/2024 07:10	WG2301591
Isophorone	U		0.129	4.22	10	06/11/2024 07:10	WG2301591
Naphthalene	U		0.106	0.422	10	06/11/2024 07:10	WG2301591
Nitrobenzene	U		0.147	4.22	10	06/11/2024 07:10	WG2301591
n-Nitrosodimethylamine	U		0.626	4.22	10	06/11/2024 07:10	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Nitrosodiphenylamine	U		0.319	4.22	10	06/11/2024 07:10	WG2301591
n-Nitrosodi-n-propylamine	U		0.141	4.22	10	06/11/2024 07:10	WG2301591
Phenanthrene	0.0904	J	0.0837	0.422	10	06/11/2024 07:10	WG2301591
Benzylbutyl phthalate	U		0.132	4.22	10	06/11/2024 07:10	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.534	4.22	10	06/11/2024 07:10	WG2301591
Di-n-butyl phthalate	U		0.144	4.22	10	06/11/2024 07:10	WG2301591
Diethyl phthalate	U		0.139	4.22	10	06/11/2024 07:10	WG2301591
Dimethyl phthalate	U		0.894	4.22	10	06/11/2024 07:10	WG2301591
Di-n-octyl phthalate	U		0.285	4.22	10	06/11/2024 07:10	WG2301591
Pyrene	0.220	J	0.0821	0.422	10	06/11/2024 07:10	WG2301591
1,2,4-Trichlorobenzene	U		0.132	4.22	10	06/11/2024 07:10	WG2301591
4-Chloro-3-methylphenol	U		0.137	4.22	10	06/11/2024 07:10	WG2301591
2-Chlorophenol	U		0.139	4.22	10	06/11/2024 07:10	WG2301591
2,4-Dichlorophenol	U		0.123	4.22	10	06/11/2024 07:10	WG2301591
2,4-Dimethylphenol	U		0.110	4.22	10	06/11/2024 07:10	WG2301591
4,6-Dinitro-2-methylphenol	U		0.956	4.22	10	06/11/2024 07:10	WG2301591
2,4-Dinitrophenol	U		0.986	4.22	10	06/11/2024 07:10	WG2301591
2-Nitrophenol	U		0.151	4.22	10	06/11/2024 07:10	WG2301591
4-Nitrophenol	U		0.132	4.22	10	06/11/2024 07:10	WG2301591
Pentachlorophenol	U		0.113	4.22	10	06/11/2024 07:10	WG2301591
Phenol	U		0.170	4.22	10	06/11/2024 07:10	WG2301591
2,4,6-Trichlorophenol	U		0.135	4.22	10	06/11/2024 07:10	WG2301591
(S) 2-Fluorophenol	*52.6*			*12.0-120*		*06/11/2024 07:10*	WG2301591
(S) Phenol-d5	*48.9*			*10.0-120*		*06/11/2024 07:10*	WG2301591
(S) Nitrobenzene-d5	*48.9*			*10.0-122*		*06/11/2024 07:10*	WG2301591
(S) 2-Fluorobiphenyl	*50.2*			*15.0-120*		*06/11/2024 07:10*	WG2301591
(S) 2,4,6-Tribromophenol	*35.5*			*10.0-127*		*06/11/2024 07:10*	WG2301591
(S) p-Terphenyl-d14	*49.8*			*10.0-120*		*06/11/2024 07:10*	WG2301591

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	06/13/2024 09:37	WG2303966

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Lead	31.9		0.257	0.617	1	07/01/2024 19:55	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.27	3.81	25	06/13/2024 10:30	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*06/13/2024 10:30*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0557	0.0762	1	06/13/2024 01:59	WG2304049
Acrylonitrile	U		0.00550	0.0191	1	06/13/2024 01:59	WG2304049
Benzene	U		0.000712	0.00152	1	06/13/2024 01:59	WG2304049
Bromobenzene	U		0.00137	0.0191	1	06/13/2024 01:59	WG2304049
Bromodichloromethane	U		0.00111	0.00381	1	06/13/2024 01:59	WG2304049
Bromoform	U		0.00178	0.0381	1	06/13/2024 01:59	WG2304049
Bromomethane	U		0.00300	0.0191	1	06/13/2024 01:59	WG2304049
n-Butylbenzene	U		0.00801	0.0191	1	06/13/2024 01:59	WG2304049
sec-Butylbenzene	U		0.00439	0.0191	1	06/13/2024 01:59	WG2304049
tert-Butylbenzene	U		0.00297	0.00762	1	06/13/2024 01:59	WG2304049
Carbon tetrachloride	U		0.00137	0.00762	1	06/13/2024 01:59	WG2304049
Chlorobenzene	U		0.000320	0.00381	1	06/13/2024 01:59	WG2304049
Chlorodibromomethane	U		0.000933	0.00381	1	06/13/2024 01:59	WG2304049
Chloroethane	U		0.00259	0.00762	1	06/13/2024 01:59	WG2304049
Chloroform	U		0.00157	0.00381	1	06/13/2024 01:59	WG2304049
Chloromethane	U		0.00663	0.0191	1	06/13/2024 01:59	WG2304049
2-Chlorotoluene	U		0.00132	0.00381	1	06/13/2024 01:59	WG2304049
4-Chlorotoluene	U		0.000686	0.00762	1	06/13/2024 01:59	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0381	1	06/13/2024 01:59	WG2304049
1,2-Dibromoethane	U		0.000988	0.00381	1	06/13/2024 01:59	WG2304049
Dibromomethane	U		0.00114	0.00762	1	06/13/2024 01:59	WG2304049
1,2-Dichlorobenzene	U		0.000648	0.00762	1	06/13/2024 01:59	WG2304049
1,3-Dichlorobenzene	U		0.000915	0.00762	1	06/13/2024 01:59	WG2304049
1,4-Dichlorobenzene	U		0.00107	0.00762	1	06/13/2024 01:59	WG2304049
Dichlorodifluoromethane	U		0.00245	0.00762	1	06/13/2024 01:59	WG2304049
1,1-Dichloroethane	U		0.000749	0.00381	1	06/13/2024 01:59	WG2304049
1,2-Dichloroethane	U		0.000990	0.00381	1	06/13/2024 01:59	WG2304049
1,1-Dichloroethene	U		0.000924	0.00381	1	06/13/2024 01:59	WG2304049
cis-1,2-Dichloroethene	U		0.00112	0.00381	1	06/13/2024 01:59	WG2304049
trans-1,2-Dichloroethene	U		0.00159	0.00762	1	06/13/2024 01:59	WG2304049
1,2-Dichloropropane	U		0.00217	0.00762	1	06/13/2024 01:59	WG2304049
1,1-Dichloropropene	U		0.00123	0.00381	1	06/13/2024 01:59	WG2304049
1,3-Dichloropropane	U		0.000764	0.00762	1	06/13/2024 01:59	WG2304049
cis-1,3-Dichloropropene	U		0.00115	0.00381	1	06/13/2024 01:59	WG2304049
trans-1,3-Dichloropropene	U		0.00174	0.00762	1	06/13/2024 01:59	WG2304049
2,2-Dichloropropane	U		0.00210	0.00381	1	06/13/2024 01:59	WG2304049
Di-isopropyl ether	U		0.000625	0.00152	1	06/13/2024 01:59	WG2304049
Ethylbenzene	U		0.00112	0.00381	1	06/13/2024 01:59	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00915	0.0381	1	06/13/2024 01:59	WG2304049
Isopropylbenzene	U		0.000648	0.00381	1	06/13/2024 01:59	WG2304049
p-Isopropyltoluene	U		0.00389	0.00762	1	06/13/2024 01:59	WG2304049
2-Butanone (MEK)	U		0.0968	0.152	1	06/13/2024 01:59	WG2304049
Methylene Chloride	U		0.0101	0.0381	1	06/13/2024 01:59	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00348	0.0381	1	06/13/2024 01:59	WG2304049
Methyl tert-butyl ether	U		0.000534	0.00152	1	06/13/2024 01:59	WG2304049
Naphthalene	U	J3	0.00744	0.0191	1	06/13/2024 01:59	WG2304049
n-Propylbenzene	U		0.00145	0.00762	1	06/13/2024 01:59	WG2304049
Styrene	U		0.000349	0.0191	1	06/13/2024 01:59	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00145	0.00381	1	06/13/2024 01:59	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00106	0.00381	1	06/13/2024 01:59	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00381	1	06/13/2024 01:59	WG2304049
Tetrachloroethene	U		0.00137	0.00381	1	06/13/2024 01:59	WG2304049
Toluene	U		0.00198	0.00762	1	06/13/2024 01:59	WG2304049
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	06/13/2024 01:59	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00671	0.0191	1	06/13/2024 01:59	WG2304049
1,1,1-Trichloroethane	U		0.00141	0.00381	1	06/13/2024 01:59	WG2304049
1,1,2-Trichloroethane	U		0.000910	0.00381	1	06/13/2024 01:59	WG2304049
Trichloroethene	U		0.000891	0.00152	1	06/13/2024 01:59	WG2304049
Trichlorofluoromethane	U		0.00126	0.00381	1	06/13/2024 01:59	WG2304049
1,2,3-Trichloropropane	U		0.00247	0.0191	1	06/13/2024 01:59	WG2304049
1,2,4-Trimethylbenzene	U		0.00241	0.00762	1	06/13/2024 01:59	WG2304049
1,2,3-Trimethylbenzene	U		0.00241	0.00762	1	06/13/2024 01:59	WG2304049
1,3,5-Trimethylbenzene	U		0.00305	0.00762	1	06/13/2024 01:59	WG2304049
Vinyl chloride	U		0.00177	0.00381	1	06/13/2024 01:59	WG2304049
Xylenes, Total	U		0.00134	0.00991	1	06/13/2024 01:59	WG2304049
(S) Toluene-d8	*104*			*75.0-131*		*06/13/2024 01:59*	WG2304049
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/13/2024 01:59*	WG2304049
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*		*06/13/2024 01:59*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	17.8		0.905	4.94	1	06/14/2024 04:25	WG2304127
C22-C32 Hydrocarbons	57.2		1.64	4.94	1	06/14/2024 04:25	WG2304127
C32-C40 Hydrocarbons	22.0		1.64	4.94	1	06/14/2024 04:25	WG2304127
(S) o-Terphenyl	*44.4*			*18.0-148*		*06/14/2024 04:25*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0117	J	0.00665	0.0411	1	06/13/2024 21:07	WG2304128
Acenaphthylene	0.0376	J	0.00579	0.0411	1	06/13/2024 21:07	WG2304128
Anthracene	0.0568		0.00732	0.0411	1	06/13/2024 21:07	WG2304128
Benzidine	U		0.0773	2.06	1	06/13/2024 21:07	WG2304128
Benzo(a)anthracene	0.257		0.00725	0.0411	1	06/13/2024 21:07	WG2304128
Benzo(b)fluoranthene	0.343		0.00767	0.0411	1	06/13/2024 21:07	WG2304128
Benzo(k)fluoranthene	0.122		0.00731	0.0411	1	06/13/2024 21:07	WG2304128
Benzo(g,h,i)perylene	0.174		0.00752	0.0411	1	06/13/2024 21:07	WG2304128
Benzo(a)pyrene	0.290		0.00764	0.0411	1	06/13/2024 21:07	WG2304128
Bis(2-chlorethoxy)methane	U		0.0123	0.411	1	06/13/2024 21:07	WG2304128
Bis(2-chloroethyl)ether	U		0.0136	0.411	1	06/13/2024 21:07	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0178	0.411	1	06/13/2024 21:07	WG2304128
4-Bromophenyl-phenylether	U		0.0144	0.411	1	06/13/2024 21:07	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.00722	0.0411	1	06/13/2024 21:07	WG2304128
4-Chlorophenyl-phenylether	U		0.0143	0.411	1	06/13/2024 21:07	WG2304128
Chrysene	0.327		0.00817	0.0411	1	06/13/2024 21:07	WG2304128
Dibenz(a,h)anthracene	0.0473		0.0114	0.0411	1	06/13/2024 21:07	WG2304128
1,2-Dichlorobenzene	U		0.0122	0.411	1	06/13/2024 21:07	WG2304128
1,3-Dichlorobenzene	U		0.0125	0.411	1	06/13/2024 21:07	WG2304128
1,4-Dichlorobenzene	U		0.0122	0.411	1	06/13/2024 21:07	WG2304128
3,3-Dichlorobenzidine	U		0.0152	0.411	1	06/13/2024 21:07	WG2304128
2,4-Dinitrotoluene	U		0.0118	0.411	1	06/13/2024 21:07	WG2304128
2,6-Dinitrotoluene	U		0.0135	0.411	1	06/13/2024 21:07	WG2304128
Fluoranthene	0.374		0.00742	0.0411	1	06/13/2024 21:07	WG2304128
Fluorene	0.0222	J	0.00669	0.0411	1	06/13/2024 21:07	WG2304128
Hexachlorobenzene	U		0.0146	0.411	1	06/13/2024 21:07	WG2304128
Hexachloro-1,3-butadiene	U		0.0138	0.411	1	06/13/2024 21:07	WG2304128
Hexachlorocyclopentadiene	U		0.0216	0.411	1	06/13/2024 21:07	WG2304128
Hexachloroethane	U		0.0162	0.411	1	06/13/2024 21:07	WG2304128
Indeno(1,2,3-cd)pyrene	0.174		0.0116	0.0411	1	06/13/2024 21:07	WG2304128
Isophorone	U		0.0126	0.411	1	06/13/2024 21:07	WG2304128
Naphthalene	0.0246	J	0.0103	0.0411	1	06/13/2024 21:07	WG2304128
Nitrobenzene	U		0.0143	0.411	1	06/13/2024 21:07	WG2304128
n-Nitrosodimethylamine	U		0.0610	0.411	1	06/13/2024 21:07	WG2304128
n-Nitrosodiphenylamine	U		0.0311	0.411	1	06/13/2024 21:07	WG2304128
n-Nitrosodi-n-propylamine	U		0.0137	0.411	1	06/13/2024 21:07	WG2304128
Phenanthrene	0.225		0.00816	0.0411	1	06/13/2024 21:07	WG2304128
Benzylbutyl phthalate	U		0.0128	0.411	1	06/13/2024 21:07	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0521	0.411	1	06/13/2024 21:07	WG2304128
Di-n-butyl phthalate	U		0.0141	0.411	1	06/13/2024 21:07	WG2304128
Diethyl phthalate	U		0.0136	0.411	1	06/13/2024 21:07	WG2304128
Dimethyl phthalate	U		0.0871	0.411	1	06/13/2024 21:07	WG2304128
Di-n-octyl phthalate	U		0.0278	0.411	1	06/13/2024 21:07	WG2304128
Pyrene	0.448		0.00800	0.0411	1	06/13/2024 21:07	WG2304128
1,2,4-Trichlorobenzene	U		0.0128	0.411	1	06/13/2024 21:07	WG2304128
4-Chloro-3-methylphenol	U		0.0133	0.411	1	06/13/2024 21:07	WG2304128
2-Chlorophenol	U		0.0136	0.411	1	06/13/2024 21:07	WG2304128
2,4-Dichlorophenol	U		0.0120	0.411	1	06/13/2024 21:07	WG2304128
2,4-Dimethylphenol	U		0.0107	0.411	1	06/13/2024 21:07	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0932	0.411	1	06/13/2024 21:07	WG2304128
2,4-Dinitrophenol	U		0.0962	0.411	1	06/13/2024 21:07	WG2304128
2-Nitrophenol	U		0.0147	0.411	1	06/13/2024 21:07	WG2304128
4-Nitrophenol	U		0.0128	0.411	1	06/13/2024 21:07	WG2304128
Pentachlorophenol	U		0.0111	0.411	1	06/13/2024 21:07	WG2304128
Phenol	U		0.0165	0.411	1	06/13/2024 21:07	WG2304128
2,4,6-Trichlorophenol	U		0.0132	0.411	1	06/13/2024 21:07	WG2304128
(S) 2-Fluorophenol	*55.6*			*12.0-120*		*06/13/2024 21:07*	WG2304128
(S) Phenol-d5	*45.7*			*10.0-120*		*06/13/2024 21:07*	WG2304128
(S) Nitrobenzene-d5	*47.8*			*10.0-122*		*06/13/2024 21:07*	WG2304128
(S) 2-Fluorobiphenyl	*53.4*			*15.0-120*		*06/13/2024 21:07*	WG2304128
(S) 2,4,6-Tribromophenol	*40.3*			*10.0-127*		*06/13/2024 21:07*	WG2304128
(S) p-Terphenyl-d14	*51.5*			*10.0-120*		*06/13/2024 21:07*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.9		1	06/10/2024 12:51	WG2300492

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.03	B J	1.49	4.48	25	06/10/2024 16:38	WG2302200
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*06/10/2024 16:38*	WG2302200

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0655	0.0897	1	06/11/2024 14:16	WG2302420
Acrylonitrile	U		0.00647	0.0224	1	06/11/2024 14:16	WG2302420
Benzene	U		0.000837	0.00179	1	06/11/2024 14:16	WG2302420
Bromobenzene	U		0.00161	0.0224	1	06/11/2024 14:16	WG2302420
Bromodichloromethane	U		0.00130	0.00448	1	06/11/2024 14:16	WG2302420
Bromoform	U		0.00210	0.0448	1	06/11/2024 14:16	WG2302420
Bromomethane	U		0.00353	0.0224	1	06/11/2024 14:16	WG2302420
n-Butylbenzene	U		0.00942	0.0224	1	06/11/2024 14:16	WG2302420
sec-Butylbenzene	U		0.00516	0.0224	1	06/11/2024 14:16	WG2302420
tert-Butylbenzene	U		0.00350	0.00897	1	06/11/2024 14:16	WG2302420
Carbon tetrachloride	U		0.00161	0.00897	1	06/11/2024 14:16	WG2302420
Chlorobenzene	U		0.000377	0.00448	1	06/11/2024 14:16	WG2302420
Chlorodibromomethane	U		0.00110	0.00448	1	06/11/2024 14:16	WG2302420
Chloroethane	U		0.00305	0.00897	1	06/11/2024 14:16	WG2302420
Chloroform	U		0.00185	0.00448	1	06/11/2024 14:16	WG2302420
Chloromethane	U		0.00780	0.0224	1	06/11/2024 14:16	WG2302420
2-Chlorotoluene	U		0.00155	0.00448	1	06/11/2024 14:16	WG2302420
4-Chlorotoluene	U		0.000807	0.00897	1	06/11/2024 14:16	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00699	0.0448	1	06/11/2024 14:16	WG2302420
1,2-Dibromoethane	U		0.00116	0.00448	1	06/11/2024 14:16	WG2302420
Dibromomethane	U		0.00135	0.00897	1	06/11/2024 14:16	WG2302420
1,2-Dichlorobenzene	U		0.000762	0.00897	1	06/11/2024 14:16	WG2302420
1,3-Dichlorobenzene	U		0.00108	0.00897	1	06/11/2024 14:16	WG2302420
1,4-Dichlorobenzene	U		0.00126	0.00897	1	06/11/2024 14:16	WG2302420
Dichlorodifluoromethane	U		0.00289	0.00897	1	06/11/2024 14:16	WG2302420
1,1-Dichloroethane	U		0.000881	0.00448	1	06/11/2024 14:16	WG2302420
1,2-Dichloroethane	U		0.00116	0.00448	1	06/11/2024 14:16	WG2302420
1,1-Dichloroethene	U		0.00109	0.00448	1	06/11/2024 14:16	WG2302420
cis-1,2-Dichloroethene	U		0.00132	0.00448	1	06/11/2024 14:16	WG2302420
trans-1,2-Dichloroethene	U		0.00187	0.00897	1	06/11/2024 14:16	WG2302420
1,2-Dichloropropane	U		0.00255	0.00897	1	06/11/2024 14:16	WG2302420
1,1-Dichloropropene	U		0.00145	0.00448	1	06/11/2024 14:16	WG2302420
1,3-Dichloropropane	U		0.000898	0.00897	1	06/11/2024 14:16	WG2302420
cis-1,3-Dichloropropene	U		0.00136	0.00448	1	06/11/2024 14:16	WG2302420
trans-1,3-Dichloropropene	U		0.00204	0.00897	1	06/11/2024 14:16	WG2302420
2,2-Dichloropropane	U		0.00247	0.00448	1	06/11/2024 14:16	WG2302420
Di-isopropyl ether	U		0.000735	0.00179	1	06/11/2024 14:16	WG2302420
Ethylbenzene	U		0.00132	0.00448	1	06/11/2024 14:16	WG2302420
Hexachloro-1,3-butadiene	U		0.0108	0.0448	1	06/11/2024 14:16	WG2302420
Isopropylbenzene	U		0.000762	0.00448	1	06/11/2024 14:16	WG2302420
p-Isopropyltoluene	U		0.00457	0.00897	1	06/11/2024 14:16	WG2302420
2-Butanone (MEK)	U		0.114	0.179	1	06/11/2024 14:16	WG2302420
Methylene Chloride	U		0.0119	0.0448	1	06/11/2024 14:16	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00409	0.0448	1	06/11/2024 14:16	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000628	0.00179	1	06/11/2024 14:16	WG2302420
Naphthalene	U		0.00875	0.0224	1	06/11/2024 14:16	WG2302420
n-Propylbenzene	U		0.00170	0.00897	1	06/11/2024 14:16	WG2302420
Styrene	U		0.000411	0.0224	1	06/11/2024 14:16	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00170	0.00448	1	06/11/2024 14:16	WG2302420
1,1,2,2-Tetrachloroethane	U		0.00125	0.00448	1	06/11/2024 14:16	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.00135	0.00448	1	06/11/2024 14:16	WG2302420
Tetrachloroethene	U		0.00161	0.00448	1	06/11/2024 14:16	WG2302420
Toluene	U		0.00233	0.00897	1	06/11/2024 14:16	WG2302420
1,2,3-Trichlorobenzene	U		0.0131	0.0224	1	06/11/2024 14:16	WG2302420
1,2,4-Trichlorobenzene	U		0.00789	0.0224	1	06/11/2024 14:16	WG2302420
1,1,1-Trichloroethane	U		0.00166	0.00448	1	06/11/2024 14:16	WG2302420
1,1,2-Trichloroethane	U		0.00107	0.00448	1	06/11/2024 14:16	WG2302420
Trichloroethene	U		0.00105	0.00179	1	06/11/2024 14:16	WG2302420
Trichlorofluoromethane	U		0.00148	0.00448	1	06/11/2024 14:16	WG2302420
1,2,3-Trichloropropane	U		0.00291	0.0224	1	06/11/2024 14:16	WG2302420
1,2,4-Trimethylbenzene	U		0.00283	0.00897	1	06/11/2024 14:16	WG2302420
1,2,3-Trimethylbenzene	U		0.00283	0.00897	1	06/11/2024 14:16	WG2302420
1,3,5-Trimethylbenzene	U		0.00359	0.00897	1	06/11/2024 14:16	WG2302420
Vinyl chloride	U		0.00208	0.00448	1	06/11/2024 14:16	WG2302420
Xylenes, Total	U		0.00158	0.0117	1	06/11/2024 14:16	WG2302420
(S) Toluene-d8	*86.8*			*75.0-131*		*06/11/2024 14:16*	WG2302420
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 14:16*	WG2302420
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*06/11/2024 14:16*	WG2302420

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	22.3	J6	0.992	5.41	1	06/11/2024 13:43	WG2302178
C22-C32 Hydrocarbons	42.6	J3 J6	1.80	5.41	1	06/11/2024 13:43	WG2302178
C32-C40 Hydrocarbons	20.7		1.80	5.41	1	06/11/2024 13:43	WG2302178
(S) o-Terphenyl	*49.7*			*18.0-148*		*06/11/2024 13:43*	WG2302178

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.102		0.0220	0.0488	1	06/05/2024 18:45	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.78		0.664	2.44	1	06/09/2024 08:41	WG2299945
Arsenic	1.66	J	0.632	2.44	1	06/09/2024 08:41	WG2299945
Barium	257		0.104	0.610	1	06/09/2024 08:41	WG2299945
Beryllium	0.388		0.0384	0.244	1	06/09/2024 08:41	WG2299945
Cadmium	0.115	J	0.0574	0.610	1	06/09/2024 08:41	WG2299945
Chromium	63.0		0.162	1.22	1	06/09/2024 08:41	WG2299945
Cobalt	13.8		0.0989	1.22	1	06/09/2024 08:41	WG2299945
Copper	28.8		0.488	2.44	1	06/09/2024 08:41	WG2299945
Lead	35.6		0.254	0.610	1	06/09/2024 08:41	WG2299945
Molybdenum	0.227	J	0.133	0.610	1	06/09/2024 08:41	WG2299945
Nickel	61.5		0.161	2.44	1	06/09/2024 08:41	WG2299945
Selenium	U		0.932	2.44	1	06/09/2024 08:41	WG2299945
Silver	0.607	B J	0.155	1.22	1	06/09/2024 08:41	WG2299945
Thallium	U		0.481	2.44	1	06/09/2024 08:41	WG2299945
Vanadium	57.7		0.617	2.44	1	06/09/2024 08:41	WG2299945
Zinc	86.5		1.01	6.10	1	06/09/2024 08:41	WG2299945

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0144	0.0415	1	06/13/2024 12:17	WG2303247
PCB 1221	U		0.0144	0.0415	1	06/13/2024 12:17	WG2303247
PCB 1232	U		0.0144	0.0415	1	06/13/2024 12:17	WG2303247
PCB 1242	U		0.0144	0.0415	1	06/13/2024 12:17	WG2303247
PCB 1248	U		0.00900	0.0207	1	06/13/2024 12:17	WG2303247
PCB 1254	U		0.00900	0.0207	1	06/13/2024 12:17	WG2303247
PCB 1260	U		0.00900	0.0207	1	06/13/2024 12:17	WG2303247
(S) Decachlorobiphenyl	*45.3*			*10.0-135*		*06/13/2024 12:17*	WG2303247
(S) Tetrachloro-m-xylene	*52.9*			*10.0-139*		*06/13/2024 12:17*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0132	0.0812	2	06/11/2024 04:41	WG2301591
Acenaphthylene	U		0.0114	0.0812	2	06/11/2024 04:41	WG2301591
Anthracene	U		0.0145	0.0812	2	06/11/2024 04:41	WG2301591
Benzidine	U		0.152	4.07	2	06/11/2024 04:41	WG2301591
Benzo(a)anthracene	U		0.0143	0.0812	2	06/11/2024 04:41	WG2301591
Benzo(b)fluoranthene	0.0170	J	0.0151	0.0812	2	06/11/2024 04:41	WG2301591
Benzo(k)fluoranthene	U		0.0144	0.0812	2	06/11/2024 04:41	WG2301591
Benzo(g,h,i)perylene	U		0.0149	0.0812	2	06/11/2024 04:41	WG2301591
Benzo(a)pyrene	U		0.0151	0.0812	2	06/11/2024 04:41	WG2301591
Bis(2-chlorethoxy)methane	U		0.0244	0.812	2	06/11/2024 04:41	WG2301591
Bis(2-chloroethyl)ether	U		0.0268	0.812	2	06/11/2024 04:41	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0351	0.812	2	06/11/2024 04:41	WG2301591
4-Bromophenyl-phenylether	U		0.0285	0.812	2	06/11/2024 04:41	WG2301591
2-Chloronaphthalene	U		0.0143	0.0812	2	06/11/2024 04:41	WG2301591
4-Chlorophenyl-phenylether	U		0.0283	0.812	2	06/11/2024 04:41	WG2301591
Chrysene	U		0.0161	0.0812	2	06/11/2024 04:41	WG2301591
Dibenz(a,h)anthracene	U		0.0226	0.0812	2	06/11/2024 04:41	WG2301591
1,2-Dichlorobenzene	U		0.0240	0.812	2	06/11/2024 04:41	WG2301591
1,3-Dichlorobenzene	U		0.0246	0.812	2	06/11/2024 04:41	WG2301591
1,4-Dichlorobenzene	U		0.0241	0.812	2	06/11/2024 04:41	WG2301591
3,3-Dichlorobenzidine	U		0.0300	0.812	2	06/11/2024 04:41	WG2301591
2,4-Dinitrotoluene	U		0.0233	0.812	2	06/11/2024 04:41	WG2301591
2,6-Dinitrotoluene	U		0.0266	0.812	2	06/11/2024 04:41	WG2301591
Fluoranthene	0.0178	J	0.0146	0.0812	2	06/11/2024 04:41	WG2301591
Fluorene	U		0.0132	0.0812	2	06/11/2024 04:41	WG2301591
Hexachlorobenzene	U		0.0288	0.812	2	06/11/2024 04:41	WG2301591
Hexachloro-1,3-butadiene	U		0.0273	0.812	2	06/11/2024 04:41	WG2301591
Hexachlorocyclopentadiene	U		0.0427	0.812	2	06/11/2024 04:41	WG2301591
Hexachloroethane	U		0.0320	0.812	2	06/11/2024 04:41	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0229	0.0812	2	06/11/2024 04:41	WG2301591
Isophorone	U		0.0249	0.812	2	06/11/2024 04:41	WG2301591
Naphthalene	U		0.0204	0.0812	2	06/11/2024 04:41	WG2301591
Nitrobenzene	U		0.0283	0.812	2	06/11/2024 04:41	WG2301591
n-Nitrosodimethylamine	U		0.121	0.812	2	06/11/2024 04:41	WG2301591
n-Nitrosodiphenylamine	U		0.0615	0.812	2	06/11/2024 04:41	WG2301591
n-Nitrosodi-n-propylamine	U		0.0271	0.812	2	06/11/2024 04:41	WG2301591
Phenanthrene	0.0309	J	0.0161	0.0812	2	06/11/2024 04:41	WG2301591
Benzylbutyl phthalate	U		0.0254	0.812	2	06/11/2024 04:41	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.103	0.812	2	06/11/2024 04:41	WG2301591
Di-n-butyl phthalate	U		0.0278	0.812	2	06/11/2024 04:41	WG2301591
Diethyl phthalate	U		0.0268	0.812	2	06/11/2024 04:41	WG2301591
Dimethyl phthalate	U		0.172	0.812	2	06/11/2024 04:41	WG2301591
Di-n-octyl phthalate	U		0.0549	0.812	2	06/11/2024 04:41	WG2301591
Pyrene	0.0254	J	0.0159	0.0812	2	06/11/2024 04:41	WG2301591
1,2,4-Trichlorobenzene	U		0.0254	0.812	2	06/11/2024 04:41	WG2301591
4-Chloro-3-methylphenol	U		0.0263	0.812	2	06/11/2024 04:41	WG2301591
2-Chlorophenol	U		0.0268	0.812	2	06/11/2024 04:41	WG2301591
2,4-Dichlorophenol	U		0.0237	0.812	2	06/11/2024 04:41	WG2301591
2,4-Dimethylphenol	U		0.0212	0.812	2	06/11/2024 04:41	WG2301591
4,6-Dinitro-2-methylphenol	U		0.184	0.812	2	06/11/2024 04:41	WG2301591
2,4-Dinitrophenol	U		0.190	0.812	2	06/11/2024 04:41	WG2301591
2-Nitrophenol	U		0.0290	0.812	2	06/11/2024 04:41	WG2301591
4-Nitrophenol	U		0.0254	0.812	2	06/11/2024 04:41	WG2301591
Pentachlorophenol	U		0.0218	0.812	2	06/11/2024 04:41	WG2301591
Phenol	U		0.0327	0.812	2	06/11/2024 04:41	WG2301591
2,4,6-Trichlorophenol	U		0.0261	0.812	2	06/11/2024 04:41	WG2301591
(S) 2-Fluorophenol	*64.5*			*12.0-120*		*06/11/2024 04:41*	WG2301591
(S) Phenol-d5	*57.4*			*10.0-120*		*06/11/2024 04:41*	WG2301591
(S) Nitrobenzene-d5	*57.5*			*10.0-122*		*06/11/2024 04:41*	WG2301591
(S) 2-Fluorobiphenyl	*62.5*			*15.0-120*		*06/11/2024 04:41*	WG2301591
(S) 2,4,6-Tribromophenol	*44.7*			*10.0-127*		*06/11/2024 04:41*	WG2301591
(S) p-Terphenyl-d14	*62.2*			*10.0-120*		*06/11/2024 04:41*	WG2301591

Sample Narrative:

L1741921-18 WG2301591: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.118		0.0206	0.0458	1	06/05/2024 18:47	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	10.4		0.623	2.29	1	06/09/2024 08:42	WG2299945
Arsenic	1.21	J	0.593	2.29	1	06/09/2024 08:42	WG2299945
Barium	200		0.0976	0.572	1	06/09/2024 08:42	WG2299945
Beryllium	0.348		0.0361	0.229	1	06/09/2024 08:42	WG2299945
Cadmium	0.310	J	0.0539	0.572	1	06/09/2024 08:42	WG2299945
Chromium	51.1		0.152	1.14	1	06/09/2024 08:42	WG2299945
Cobalt	11.3		0.0929	1.14	1	06/09/2024 08:42	WG2299945
Copper	33.4		0.458	2.29	1	06/09/2024 08:42	WG2299945
Lead	64.0		0.238	0.572	1	06/09/2024 08:42	WG2299945
Molybdenum	0.399	J	0.125	0.572	1	06/09/2024 08:42	WG2299945
Nickel	43.1		0.151	2.29	1	06/09/2024 08:42	WG2299945
Selenium	U		0.875	2.29	1	06/09/2024 08:42	WG2299945
Silver	0.300	B J	0.145	1.14	1	06/09/2024 08:42	WG2299945
Thallium	U		0.451	2.29	1	06/09/2024 08:42	WG2299945
Vanadium	57.2		0.579	2.29	1	06/09/2024 08:42	WG2299945
Zinc	110		0.953	5.72	1	06/09/2024 08:42	WG2299945

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0485	0.0664	1	06/11/2024 14:38	WG2302420
Acrylonitrile	U		0.00480	0.0166	1	06/11/2024 14:38	WG2302420
Benzene	0.00115	J	0.000620	0.00133	1	06/11/2024 14:38	WG2302420
Bromobenzene	U		0.00120	0.0166	1	06/11/2024 14:38	WG2302420
Bromodichloromethane	U		0.000963	0.00332	1	06/11/2024 14:38	WG2302420
Bromoform	U		0.00155	0.0332	1	06/11/2024 14:38	WG2302420
Bromomethane	U		0.00262	0.0166	1	06/11/2024 14:38	WG2302420
n-Butylbenzene	U		0.00698	0.0166	1	06/11/2024 14:38	WG2302420
sec-Butylbenzene	U		0.00383	0.0166	1	06/11/2024 14:38	WG2302420
tert-Butylbenzene	U		0.00259	0.00664	1	06/11/2024 14:38	WG2302420
Carbon tetrachloride	U		0.00119	0.00664	1	06/11/2024 14:38	WG2302420
Chlorobenzene	U		0.000279	0.00332	1	06/11/2024 14:38	WG2302420
Chlorodibromomethane	U		0.000813	0.00332	1	06/11/2024 14:38	WG2302420
Chloroethane	U		0.00226	0.00664	1	06/11/2024 14:38	WG2302420
Chloroform	U		0.00137	0.00332	1	06/11/2024 14:38	WG2302420
Chloromethane	U		0.00578	0.0166	1	06/11/2024 14:38	WG2302420
2-Chlorotoluene	U		0.00115	0.00332	1	06/11/2024 14:38	WG2302420
4-Chlorotoluene	U		0.000598	0.00664	1	06/11/2024 14:38	WG2302420
1,2-Dibromo-3-Chloropropane	U		0.00518	0.0332	1	06/11/2024 14:38	WG2302420
1,2-Dibromoethane	U		0.000861	0.00332	1	06/11/2024 14:38	WG2302420
Dibromomethane	U		0.000997	0.00664	1	06/11/2024 14:38	WG2302420
1,2-Dichlorobenzene	U		0.000565	0.00664	1	06/11/2024 14:38	WG2302420
1,3-Dichlorobenzene	U		0.000797	0.00664	1	06/11/2024 14:38	WG2302420
1,4-Dichlorobenzene	U		0.000930	0.00664	1	06/11/2024 14:38	WG2302420

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00214	0.00664	1	06/11/2024 14:38	WG2302420
1,1-Dichloroethane	U		0.000652	0.00332	1	06/11/2024 14:38	WG2302420
1,2-Dichloroethane	U		0.000862	0.00332	1	06/11/2024 14:38	WG2302420
1,1-Dichloroethene	U		0.000805	0.00332	1	06/11/2024 14:38	WG2302420
cis-1,2-Dichloroethene	U		0.000975	0.00332	1	06/11/2024 14:38	WG2302420
trans-1,2-Dichloroethene	U		0.00138	0.00664	1	06/11/2024 14:38	WG2302420
1,2-Dichloropropane	U		0.00189	0.00664	1	06/11/2024 14:38	WG2302420
1,1-Dichloropropene	U		0.00107	0.00332	1	06/11/2024 14:38	WG2302420
1,3-Dichloropropane	U		0.000666	0.00664	1	06/11/2024 14:38	WG2302420
cis-1,3-Dichloropropene	U		0.00101	0.00332	1	06/11/2024 14:38	WG2302420
trans-1,3-Dichloropropene	U		0.00151	0.00664	1	06/11/2024 14:38	WG2302420
2,2-Dichloropropane	U		0.00183	0.00332	1	06/11/2024 14:38	WG2302420
Di-isopropyl ether	U		0.000545	0.00133	1	06/11/2024 14:38	WG2302420
Ethylbenzene	U		0.000979	0.00332	1	06/11/2024 14:38	WG2302420
Hexachloro-1,3-butadiene	U		0.00797	0.0332	1	06/11/2024 14:38	WG2302420
Isopropylbenzene	U		0.000565	0.00332	1	06/11/2024 14:38	WG2302420
p-Isopropyltoluene	U		0.00339	0.00664	1	06/11/2024 14:38	WG2302420
2-Butanone (MEK)	U		0.0844	0.133	1	06/11/2024 14:38	WG2302420
Methylene Chloride	U		0.00882	0.0332	1	06/11/2024 14:38	WG2302420
4-Methyl-2-pentanone (MIBK)	U		0.00303	0.0332	1	06/11/2024 14:38	WG2302420
Methyl tert-butyl ether	U		0.000465	0.00133	1	06/11/2024 14:38	WG2302420
Naphthalene	U		0.00648	0.0166	1	06/11/2024 14:38	WG2302420
n-Propylbenzene	U		0.00126	0.00664	1	06/11/2024 14:38	WG2302420
Styrene	U		0.000304	0.0166	1	06/11/2024 14:38	WG2302420
1,1,1,2-Tetrachloroethane	U		0.00126	0.00332	1	06/11/2024 14:38	WG2302420
1,1,2,2-Tetrachloroethane	U		0.000923	0.00332	1	06/11/2024 14:38	WG2302420
1,1,2-Trichlorotrifluoroethane	U		0.00100	0.00332	1	06/11/2024 14:38	WG2302420
Tetrachloroethene	U		0.00119	0.00332	1	06/11/2024 14:38	WG2302420
Toluene	U		0.00173	0.00664	1	06/11/2024 14:38	WG2302420
1,2,3-Trichlorobenzene	U		0.00974	0.0166	1	06/11/2024 14:38	WG2302420
1,2,4-Trichlorobenzene	U		0.00585	0.0166	1	06/11/2024 14:38	WG2302420
1,1,1-Trichloroethane	U		0.00123	0.00332	1	06/11/2024 14:38	WG2302420
1,1,2-Trichloroethane	U		0.000793	0.00332	1	06/11/2024 14:38	WG2302420
Trichloroethene	U		0.000776	0.00133	1	06/11/2024 14:38	WG2302420
Trichlorofluoromethane	U		0.00110	0.00332	1	06/11/2024 14:38	WG2302420
1,2,3-Trichloropropane	U		0.00215	0.0166	1	06/11/2024 14:38	WG2302420
1,2,4-Trimethylbenzene	0.00369	J	0.00210	0.00664	1	06/11/2024 14:38	WG2302420
1,2,3-Trimethylbenzene	0.00244	J	0.00210	0.00664	1	06/11/2024 14:38	WG2302420
1,3,5-Trimethylbenzene	U		0.00266	0.00664	1	06/11/2024 14:38	WG2302420
Vinyl chloride	U		0.00154	0.00332	1	06/11/2024 14:38	WG2302420
Xylenes, Total	0.00480	J	0.00117	0.00864	1	06/11/2024 14:38	WG2302420
(S) Toluene-d8	*92.9*			*75.0-131*		*06/11/2024 14:38*	WG2302420
(S) 4-Bromofluorobenzene	*94.4*			*67.0-138*		*06/11/2024 14:38*	WG2302420
(S) 1,2-Dichloroethane-d4	*82.6*			*70.0-130*		*06/11/2024 14:38*	WG2302420

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0124	0.0763	2	06/11/2024 11:54	WG2301591
Acenaphthylene	U		0.0107	0.0763	2	06/11/2024 11:54	WG2301591
Anthracene	U		0.0136	0.0763	2	06/11/2024 11:54	WG2301591
Benzidine	U		0.143	3.82	2	06/11/2024 11:54	WG2301591
Benzo(a)anthracene	0.0271	J	0.0134	0.0763	2	06/11/2024 11:54	WG2301591
Benzo(b)fluoranthene	0.0540	J	0.0142	0.0763	2	06/11/2024 11:54	WG2301591
Benzo(k)fluoranthene	U		0.0135	0.0763	2	06/11/2024 11:54	WG2301591
Benzo(g,h,i)perylene	U		0.0140	0.0763	2	06/11/2024 11:54	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0269	J	0.0142	0.0763	2	06/11/2024 11:54	WG2301591
Bis(2-chlorethoxy)methane	U		0.0229	0.763	2	06/11/2024 11:54	WG2301591
Bis(2-chloroethyl)ether	U		0.0252	0.763	2	06/11/2024 11:54	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0330	0.763	2	06/11/2024 11:54	WG2301591
4-Bromophenyl-phenylether	U		0.0268	0.763	2	06/11/2024 11:54	WG2301591
2-Chloronaphthalene	U		0.0134	0.0763	2	06/11/2024 11:54	WG2301591
4-Chlorophenyl-phenylether	U		0.0266	0.763	2	06/11/2024 11:54	WG2301591
Chrysene	0.0242	J	0.0151	0.0763	2	06/11/2024 11:54	WG2301591
Dibenz(a,h)anthracene	U		0.0212	0.0763	2	06/11/2024 11:54	WG2301591
1,2-Dichlorobenzene	U		0.0226	0.763	2	06/11/2024 11:54	WG2301591
1,3-Dichlorobenzene	U		0.0231	0.763	2	06/11/2024 11:54	WG2301591
1,4-Dichlorobenzene	U		0.0227	0.763	2	06/11/2024 11:54	WG2301591
3,3-Dichlorobenzidine	U		0.0282	0.763	2	06/11/2024 11:54	WG2301591
2,4-Dinitrotoluene	U		0.0219	0.763	2	06/11/2024 11:54	WG2301591
2,6-Dinitrotoluene	U		0.0250	0.763	2	06/11/2024 11:54	WG2301591
Fluoranthene	0.0461	J	0.0137	0.0763	2	06/11/2024 11:54	WG2301591
Fluorene	U		0.0124	0.0763	2	06/11/2024 11:54	WG2301591
Hexachlorobenzene	U		0.0270	0.763	2	06/11/2024 11:54	WG2301591
Hexachloro-1,3-butadiene	U		0.0256	0.763	2	06/11/2024 11:54	WG2301591
Hexachlorocyclopentadiene	U		0.0401	0.763	2	06/11/2024 11:54	WG2301591
Hexachloroethane	U		0.0300	0.763	2	06/11/2024 11:54	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0215	0.0763	2	06/11/2024 11:54	WG2301591
Isophorone	U		0.0234	0.763	2	06/11/2024 11:54	WG2301591
Naphthalene	U		0.0191	0.0763	2	06/11/2024 11:54	WG2301591
Nitrobenzene	U		0.0266	0.763	2	06/11/2024 11:54	WG2301591
n-Nitrosodimethylamine	U		0.113	0.763	2	06/11/2024 11:54	WG2301591
n-Nitrosodiphenylamine	U		0.0577	0.763	2	06/11/2024 11:54	WG2301591
n-Nitrosodi-n-propylamine	U		0.0254	0.763	2	06/11/2024 11:54	WG2301591
Phenanthrene	0.0215	J	0.0151	0.0763	2	06/11/2024 11:54	WG2301591
Benzylbutyl phthalate	U		0.0238	0.763	2	06/11/2024 11:54	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0966	0.763	2	06/11/2024 11:54	WG2301591
Di-n-butyl phthalate	U		0.0261	0.763	2	06/11/2024 11:54	WG2301591
Diethyl phthalate	U		0.0252	0.763	2	06/11/2024 11:54	WG2301591
Dimethyl phthalate	U		0.161	0.763	2	06/11/2024 11:54	WG2301591
Di-n-octyl phthalate	U		0.0515	0.763	2	06/11/2024 11:54	WG2301591
Pyrene	0.0643	J	0.0149	0.0763	2	06/11/2024 11:54	WG2301591
1,2,4-Trichlorobenzene	U		0.0238	0.763	2	06/11/2024 11:54	WG2301591
4-Chloro-3-methylphenol	U		0.0247	0.763	2	06/11/2024 11:54	WG2301591
2-Chlorophenol	U		0.0252	0.763	2	06/11/2024 11:54	WG2301591
2,4-Dichlorophenol	U		0.0222	0.763	2	06/11/2024 11:54	WG2301591
2,4-Dimethylphenol	U		0.0199	0.763	2	06/11/2024 11:54	WG2301591
4,6-Dinitro-2-methylphenol	U		0.173	0.763	2	06/11/2024 11:54	WG2301591
2,4-Dinitrophenol	U		0.179	0.763	2	06/11/2024 11:54	WG2301591
2-Nitrophenol	U		0.0273	0.763	2	06/11/2024 11:54	WG2301591
4-Nitrophenol	U		0.0238	0.763	2	06/11/2024 11:54	WG2301591
Pentachlorophenol	U		0.0205	0.763	2	06/11/2024 11:54	WG2301591
Phenol	U		0.0307	0.763	2	06/11/2024 11:54	WG2301591
2,4,6-Trichlorophenol	U		0.0245	0.763	2	06/11/2024 11:54	WG2301591
(S) 2-Fluorophenol	*61.7*			*12.0-120*		*06/11/2024 11:54*	WG2301591
(S) Phenol-d5	*58.2*			*10.0-120*		*06/11/2024 11:54*	WG2301591
(S) Nitrobenzene-d5	*52.1*			*10.0-122*		*06/11/2024 11:54*	WG2301591
(S) 2-Fluorobiphenyl	*60.6*			*15.0-120*		*06/11/2024 11:54*	WG2301591
(S) 2,4,6-Tribromophenol	*74.6*			*10.0-127*		*06/11/2024 11:54*	WG2301591
(S) p-Terphenyl-d14	*71.3*			*10.0-120*		*06/11/2024 11:54*	WG2301591

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1741921-19 WG2301591: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.8		1	06/03/2024 16:04	WG2297630

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.197		0.0244	0.0542	1	06/05/2024 18:50	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.93	J6	0.737	2.71	1	06/09/2024 08:24	WG2299945
Arsenic	U		0.702	2.71	1	06/09/2024 08:24	WG2299945
Barium	376	J5	0.115	0.677	1	06/09/2024 08:24	WG2299945
Beryllium	0.856		0.0427	0.271	1	06/09/2024 08:24	WG2299945
Cadmium	0.174	J	0.0638	0.677	1	06/09/2024 08:24	WG2299945
Chromium	89.0		0.180	1.35	1	06/09/2024 08:24	WG2299945
Cobalt	15.3		0.110	1.35	1	06/09/2024 08:24	WG2299945
Copper	44.2		0.542	2.71	1	06/09/2024 08:24	WG2299945
Lead	48.7	J3 J5	0.282	0.677	1	06/09/2024 08:24	WG2299945
Molybdenum	1.55		0.148	0.677	1	06/09/2024 08:24	WG2299945
Nickel	77.6		0.179	2.71	1	06/09/2024 08:24	WG2299945
Selenium	U		1.04	2.71	1	06/09/2024 08:24	WG2299945
Silver	0.273	B J	0.172	1.35	1	06/09/2024 08:24	WG2299945
Thallium	U		0.534	2.71	1	06/09/2024 08:24	WG2299945
Vanadium	82.2		0.686	2.71	1	06/09/2024 08:24	WG2299945
Zinc	113	J3 J5	1.13	6.77	1	06/09/2024 08:24	WG2299945

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.75	J	1.44	4.33	25	06/05/2024 23:08	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 23:08*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	3.17	J	0.993	5.42	1	06/11/2024 18:47	WG2302178
C22-C32 Hydrocarbons	13.2		1.80	5.42	1	06/11/2024 18:47	WG2302178
C32-C40 Hydrocarbons	11.4		1.80	5.42	1	06/11/2024 18:47	WG2302178
(S) o-Terphenyl	*49.8*			*18.0-148*		*06/11/2024 18:47*	WG2302178

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00730	0.0451	1	06/12/2024 03:47	WG2302475
Acenaphthylene	U		0.00635	0.0451	1	06/12/2024 03:47	WG2302475
Anthracene	U		0.00804	0.0451	1	06/12/2024 03:47	WG2302475
Benzidine	U		0.0848	2.26	1	06/12/2024 03:47	WG2302475
Benzo(a)anthracene	U		0.00795	0.0451	1	06/12/2024 03:47	WG2302475
Benzo(b)fluoranthene	U		0.00841	0.0451	1	06/12/2024 03:47	WG2302475
Benzo(k)fluoranthene	U		0.00802	0.0451	1	06/12/2024 03:47	WG2302475
Benzo(g,h,i)perylene	U		0.00825	0.0451	1	06/12/2024 03:47	WG2302475
Benzo(a)pyrene	U		0.00839	0.0451	1	06/12/2024 03:47	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0135	0.451	1	06/12/2024 03:47	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0149	0.451	1	06/12/2024 03:47	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0195	0.451	1	06/12/2024 03:47	WG2302475
4-Bromophenyl-phenylether	U		0.0159	0.451	1	06/12/2024 03:47	WG2302475
2-Chloronaphthalene	U		0.00793	0.0451	1	06/12/2024 03:47	WG2302475
4-Chlorophenyl-phenylether	U		0.0157	0.451	1	06/12/2024 03:47	WG2302475
Chrysene	U		0.00897	0.0451	1	06/12/2024 03:47	WG2302475
Dibenz(a,h)anthracene	U		0.0125	0.0451	1	06/12/2024 03:47	WG2302475
1,2-Dichlorobenzene	U		0.0134	0.451	1	06/12/2024 03:47	WG2302475
1,3-Dichlorobenzene	U		0.0137	0.451	1	06/12/2024 03:47	WG2302475
1,4-Dichlorobenzene	U		0.0134	0.451	1	06/12/2024 03:47	WG2302475
3,3-Dichlorobenzidine	U		0.0167	0.451	1	06/12/2024 03:47	WG2302475
2,4-Dinitrotoluene	U		0.0129	0.451	1	06/12/2024 03:47	WG2302475
2,6-Dinitrotoluene	U		0.0148	0.451	1	06/12/2024 03:47	WG2302475
Fluoranthene	0.0196	J	0.00814	0.0451	1	06/12/2024 03:47	WG2302475
Fluorene	U		0.00734	0.0451	1	06/12/2024 03:47	WG2302475
Hexachlorobenzene	U		0.0160	0.451	1	06/12/2024 03:47	WG2302475
Hexachloro-1,3-butadiene	U		0.0152	0.451	1	06/12/2024 03:47	WG2302475
Hexachlorocyclopentadiene	U		0.0237	0.451	1	06/12/2024 03:47	WG2302475
Hexachloroethane	U		0.0178	0.451	1	06/12/2024 03:47	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0128	0.0451	1	06/12/2024 03:47	WG2302475
Isophorone	U		0.0138	0.451	1	06/12/2024 03:47	WG2302475
Naphthalene	0.0135	J	0.0113	0.0451	1	06/12/2024 03:47	WG2302475
Nitrobenzene	U		0.0157	0.451	1	06/12/2024 03:47	WG2302475
n-Nitrosodimethylamine	U		0.0669	0.451	1	06/12/2024 03:47	WG2302475
n-Nitrosodiphenylamine	U		0.0341	0.451	1	06/12/2024 03:47	WG2302475
n-Nitrosodi-n-propylamine	U		0.0150	0.451	1	06/12/2024 03:47	WG2302475
Phenanthrene	0.0130	J	0.00896	0.0451	1	06/12/2024 03:47	WG2302475
Benzylbutyl phthalate	U		0.0141	0.451	1	06/12/2024 03:47	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0572	0.451	1	06/12/2024 03:47	WG2302475
Di-n-butyl phthalate	U		0.0154	0.451	1	06/12/2024 03:47	WG2302475
Diethyl phthalate	U		0.0149	0.451	1	06/12/2024 03:47	WG2302475
Dimethyl phthalate	U		0.0957	0.451	1	06/12/2024 03:47	WG2302475
Di-n-octyl phthalate	U		0.0305	0.451	1	06/12/2024 03:47	WG2302475
Pyrene	0.0114	J	0.00878	0.0451	1	06/12/2024 03:47	WG2302475
1,2,4-Trichlorobenzene	U		0.0141	0.451	1	06/12/2024 03:47	WG2302475
4-Chloro-3-methylphenol	U		0.0146	0.451	1	06/12/2024 03:47	WG2302475
2-Chlorophenol	U		0.0149	0.451	1	06/12/2024 03:47	WG2302475
2,4-Dichlorophenol	U		0.0131	0.451	1	06/12/2024 03:47	WG2302475
2,4-Dimethylphenol	U		0.0118	0.451	1	06/12/2024 03:47	WG2302475
4,6-Dinitro-2-methylphenol	U		0.102	0.451	1	06/12/2024 03:47	WG2302475
2,4-Dinitrophenol	U		0.106	0.451	1	06/12/2024 03:47	WG2302475
2-Nitrophenol	U		0.0161	0.451	1	06/12/2024 03:47	WG2302475
4-Nitrophenol	U		0.0141	0.451	1	06/12/2024 03:47	WG2302475
Pentachlorophenol	U		0.0121	0.451	1	06/12/2024 03:47	WG2302475
Phenol	U		0.0182	0.451	1	06/12/2024 03:47	WG2302475
2,4,6-Trichlorophenol	U		0.0145	0.451	1	06/12/2024 03:47	WG2302475
(S) 2-Fluorophenol	*62.6*			*12.0-120*		*06/12/2024 03:47*	WG2302475
(S) Phenol-d5	*58.8*			*10.0-120*		*06/12/2024 03:47*	WG2302475
(S) Nitrobenzene-d5	*60.7*			*10.0-122*		*06/12/2024 03:47*	WG2302475
(S) 2-Fluorobiphenyl	*56.2*			*15.0-120*		*06/12/2024 03:47*	WG2302475
(S) 2,4,6-Tribromophenol	*59.9*			*10.0-127*		*06/12/2024 03:47*	WG2302475
(S) p-Terphenyl-d14	*63.3*			*10.0-120*		*06/12/2024 03:47*	WG2302475

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.3		1	06/13/2024 07:36	WG2304167

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	6.15	B	1.43	4.30	25	06/13/2024 10:50	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*06/13/2024 10:50*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0627	0.0859	1	06/13/2024 02:18	WG2304049
Acrylonitrile	U		0.00621	0.0215	1	06/13/2024 02:18	WG2304049
Benzene	U		0.000803	0.00172	1	06/13/2024 02:18	WG2304049
Bromobenzene	U		0.00155	0.0215	1	06/13/2024 02:18	WG2304049
Bromodichloromethane	U		0.00125	0.00430	1	06/13/2024 02:18	WG2304049
Bromoform	U		0.00201	0.0430	1	06/13/2024 02:18	WG2304049
Bromomethane	U		0.00339	0.0215	1	06/13/2024 02:18	WG2304049
n-Butylbenzene	U		0.00902	0.0215	1	06/13/2024 02:18	WG2304049
sec-Butylbenzene	U		0.00495	0.0215	1	06/13/2024 02:18	WG2304049
tert-Butylbenzene	U		0.00335	0.00859	1	06/13/2024 02:18	WG2304049
Carbon tetrachloride	U		0.00154	0.00859	1	06/13/2024 02:18	WG2304049
Chlorobenzene	U		0.000361	0.00430	1	06/13/2024 02:18	WG2304049
Chlorodibromomethane	U		0.00105	0.00430	1	06/13/2024 02:18	WG2304049
Chloroethane	U		0.00292	0.00859	1	06/13/2024 02:18	WG2304049
Chloroform	U		0.00177	0.00430	1	06/13/2024 02:18	WG2304049
Chloromethane	U		0.00748	0.0215	1	06/13/2024 02:18	WG2304049
2-Chlorotoluene	U		0.00149	0.00430	1	06/13/2024 02:18	WG2304049
4-Chlorotoluene	U		0.000773	0.00859	1	06/13/2024 02:18	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00670	0.0430	1	06/13/2024 02:18	WG2304049
1,2-Dibromoethane	U		0.00111	0.00430	1	06/13/2024 02:18	WG2304049
Dibromomethane	U		0.00129	0.00859	1	06/13/2024 02:18	WG2304049
1,2-Dichlorobenzene	U		0.000731	0.00859	1	06/13/2024 02:18	WG2304049
1,3-Dichlorobenzene	U		0.00103	0.00859	1	06/13/2024 02:18	WG2304049
1,4-Dichlorobenzene	U		0.00120	0.00859	1	06/13/2024 02:18	WG2304049
Dichlorodifluoromethane	U		0.00277	0.00859	1	06/13/2024 02:18	WG2304049
1,1-Dichloroethane	0.00234	J	0.000844	0.00430	1	06/13/2024 02:18	WG2304049
1,2-Dichloroethane	U		0.00112	0.00430	1	06/13/2024 02:18	WG2304049
1,1-Dichloroethene	U		0.00104	0.00430	1	06/13/2024 02:18	WG2304049
cis-1,2-Dichloroethene	U		0.00126	0.00430	1	06/13/2024 02:18	WG2304049
trans-1,2-Dichloroethene	U		0.00179	0.00859	1	06/13/2024 02:18	WG2304049
1,2-Dichloropropane	U		0.00244	0.00859	1	06/13/2024 02:18	WG2304049
1,1-Dichloropropene	U		0.00139	0.00430	1	06/13/2024 02:18	WG2304049
1,3-Dichloropropane	U		0.000861	0.00859	1	06/13/2024 02:18	WG2304049
cis-1,3-Dichloropropene	U		0.00130	0.00430	1	06/13/2024 02:18	WG2304049
trans-1,3-Dichloropropene	U		0.00196	0.00859	1	06/13/2024 02:18	WG2304049
2,2-Dichloropropane	U		0.00237	0.00430	1	06/13/2024 02:18	WG2304049
Di-isopropyl ether	U		0.000705	0.00172	1	06/13/2024 02:18	WG2304049
Ethylbenzene	U		0.00127	0.00430	1	06/13/2024 02:18	WG2304049
Hexachloro-1,3-butadiene	U		0.0103	0.0430	1	06/13/2024 02:18	WG2304049
Isopropylbenzene	U		0.000731	0.00430	1	06/13/2024 02:18	WG2304049
p-Isopropyltoluene	U		0.00438	0.00859	1	06/13/2024 02:18	WG2304049
2-Butanone (MEK)	U		0.109	0.172	1	06/13/2024 02:18	WG2304049
Methylene Chloride	U		0.0114	0.0430	1	06/13/2024 02:18	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00392	0.0430	1	06/13/2024 02:18	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000602	0.00172	1	06/13/2024 02:18	WG2304049
Naphthalene	U	J3	0.00839	0.0215	1	06/13/2024 02:18	WG2304049
n-Propylbenzene	U		0.00163	0.00859	1	06/13/2024 02:18	WG2304049
Styrene	U		0.000394	0.0215	1	06/13/2024 02:18	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00163	0.00430	1	06/13/2024 02:18	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00119	0.00430	1	06/13/2024 02:18	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00130	0.00430	1	06/13/2024 02:18	WG2304049
Tetrachloroethene	U		0.00154	0.00430	1	06/13/2024 02:18	WG2304049
Toluene	U		0.00223	0.00859	1	06/13/2024 02:18	WG2304049
1,2,3-Trichlorobenzene	U		0.0126	0.0215	1	06/13/2024 02:18	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00756	0.0215	1	06/13/2024 02:18	WG2304049
1,1,1-Trichloroethane	0.00203	J	0.00159	0.00430	1	06/13/2024 02:18	WG2304049
1,1,2-Trichloroethane	U		0.00103	0.00430	1	06/13/2024 02:18	WG2304049
Trichloroethene	0.00170	J	0.00100	0.00172	1	06/13/2024 02:18	WG2304049
Trichlorofluoromethane	U		0.00142	0.00430	1	06/13/2024 02:18	WG2304049
1,2,3-Trichloropropane	U		0.00278	0.0215	1	06/13/2024 02:18	WG2304049
1,2,4-Trimethylbenzene	U		0.00272	0.00859	1	06/13/2024 02:18	WG2304049
1,2,3-Trimethylbenzene	U		0.00272	0.00859	1	06/13/2024 02:18	WG2304049
1,3,5-Trimethylbenzene	U		0.00344	0.00859	1	06/13/2024 02:18	WG2304049
Vinyl chloride	U		0.00199	0.00430	1	06/13/2024 02:18	WG2304049
Xylenes, Total	U		0.00151	0.0112	1	06/13/2024 02:18	WG2304049
(S) Toluene-d8	*103*			*75.0-131*		*06/13/2024 02:18*	WG2304049
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/13/2024 02:18*	WG2304049
(S) 1,2-Dichloroethane-d4	*85.9*			*70.0-130*		*06/13/2024 02:18*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.30	J	0.974	5.31	1	06/14/2024 03:42	WG2304127
C22-C32 Hydrocarbons	3.81	J	1.77	5.31	1	06/14/2024 03:42	WG2304127
C32-C40 Hydrocarbons	U		1.77	5.31	1	06/14/2024 03:42	WG2304127
(S) o-Terphenyl	*53.0*			*18.0-148*		*06/14/2024 03:42*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0143	0.0885	2	06/13/2024 23:53	WG2304128
Acenaphthylene	U		0.0125	0.0885	2	06/13/2024 23:53	WG2304128
Anthracene	U		0.0158	0.0885	2	06/13/2024 23:53	WG2304128
Benzidine	U		0.166	4.44	2	06/13/2024 23:53	WG2304128
Benzo(a)anthracene	U		0.0155	0.0885	2	06/13/2024 23:53	WG2304128
Benzo(b)fluoranthene	U		0.0165	0.0885	2	06/13/2024 23:53	WG2304128
Benzo(k)fluoranthene	U		0.0157	0.0885	2	06/13/2024 23:53	WG2304128
Benzo(g,h,i)perylene	U		0.0162	0.0885	2	06/13/2024 23:53	WG2304128
Benzo(a)pyrene	U		0.0165	0.0885	2	06/13/2024 23:53	WG2304128
Bis(2-chlorethoxy)methane	U		0.0266	0.885	2	06/13/2024 23:53	WG2304128
Bis(2-chloroethyl)ether	U		0.0292	0.885	2	06/13/2024 23:53	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0383	0.885	2	06/13/2024 23:53	WG2304128
4-Bromophenyl-phenylether	U		0.0311	0.885	2	06/13/2024 23:53	WG2304128
2-Chloronaphthalene	U		0.0155	0.0885	2	06/13/2024 23:53	WG2304128
4-Chlorophenyl-phenylether	U		0.0308	0.885	2	06/13/2024 23:53	WG2304128
Chrysene	U		0.0175	0.0885	2	06/13/2024 23:53	WG2304128
Dibenz(a,h)anthracene	U		0.0246	0.0885	2	06/13/2024 23:53	WG2304128
1,2-Dichlorobenzene	U		0.0262	0.885	2	06/13/2024 23:53	WG2304128
1,3-Dichlorobenzene	U		0.0268	0.885	2	06/13/2024 23:53	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0263	0.885	2	06/13/2024 23:53	WG2304128
3,3-Dichlorobenzidine	U		0.0327	0.885	2	06/13/2024 23:53	WG2304128
2,4-Dinitrotoluene	U		0.0254	0.885	2	06/13/2024 23:53	WG2304128
2,6-Dinitrotoluene	U		0.0290	0.885	2	06/13/2024 23:53	WG2304128
Fluoranthene	U		0.0159	0.0885	2	06/13/2024 23:53	WG2304128
Fluorene	U		0.0143	0.0885	2	06/13/2024 23:53	WG2304128
Hexachlorobenzene	U		0.0314	0.885	2	06/13/2024 23:53	WG2304128
Hexachloro-1,3-butadiene	U		0.0298	0.885	2	06/13/2024 23:53	WG2304128
Hexachlorocyclopentadiene	U		0.0465	0.885	2	06/13/2024 23:53	WG2304128
Hexachloroethane	U		0.0348	0.885	2	06/13/2024 23:53	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0250	0.0885	2	06/13/2024 23:53	WG2304128
Isophorone	U		0.0271	0.885	2	06/13/2024 23:53	WG2304128
Naphthalene	U		0.0222	0.0885	2	06/13/2024 23:53	WG2304128
Nitrobenzene	U		0.0308	0.885	2	06/13/2024 23:53	WG2304128
n-Nitrosodimethylamine	U		0.131	0.885	2	06/13/2024 23:53	WG2304128
n-Nitrosodiphenylamine	U		0.0670	0.885	2	06/13/2024 23:53	WG2304128
n-Nitrosodi-n-propylamine	U		0.0295	0.885	2	06/13/2024 23:53	WG2304128
Phenanthrene	U		0.0175	0.0885	2	06/13/2024 23:53	WG2304128
Benzylbutyl phthalate	U		0.0276	0.885	2	06/13/2024 23:53	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.112	0.885	2	06/13/2024 23:53	WG2304128
Di-n-butyl phthalate	U		0.0303	0.885	2	06/13/2024 23:53	WG2304128
Diethyl phthalate	U		0.0292	0.885	2	06/13/2024 23:53	WG2304128
Dimethyl phthalate	U		0.187	0.885	2	06/13/2024 23:53	WG2304128
Di-n-octyl phthalate	U		0.0598	0.885	2	06/13/2024 23:53	WG2304128
Pyrene	U		0.0173	0.0885	2	06/13/2024 23:53	WG2304128
1,2,4-Trichlorobenzene	U		0.0276	0.885	2	06/13/2024 23:53	WG2304128
4-Chloro-3-methylphenol	U		0.0287	0.885	2	06/13/2024 23:53	WG2304128
2-Chlorophenol	U		0.0292	0.885	2	06/13/2024 23:53	WG2304128
2,4-Dichlorophenol	U		0.0258	0.885	2	06/13/2024 23:53	WG2304128
2,4-Dimethylphenol	U		0.0231	0.885	2	06/13/2024 23:53	WG2304128
4,6-Dinitro-2-methylphenol	U		0.201	0.885	2	06/13/2024 23:53	WG2304128
2,4-Dinitrophenol	U		0.207	0.885	2	06/13/2024 23:53	WG2304128
2-Nitrophenol	U		0.0316	0.885	2	06/13/2024 23:53	WG2304128
4-Nitrophenol	U		0.0276	0.885	2	06/13/2024 23:53	WG2304128
Pentachlorophenol	U		0.0238	0.885	2	06/13/2024 23:53	WG2304128
Phenol	U		0.0356	0.885	2	06/13/2024 23:53	WG2304128
2,4,6-Trichlorophenol	U		0.0284	0.885	2	06/13/2024 23:53	WG2304128
(S) 2-Fluorophenol	*57.9*			*12.0-120*		*06/13/2024 23:53*	WG2304128
(S) Phenol-d5	*55.4*			*10.0-120*		*06/13/2024 23:53*	WG2304128
(S) Nitrobenzene-d5	*52.1*			*10.0-122*		*06/13/2024 23:53*	WG2304128
(S) 2-Fluorobiphenyl	*63.3*			*15.0-120*		*06/13/2024 23:53*	WG2304128
(S) 2,4,6-Tribromophenol	*49.2*			*10.0-127*		*06/13/2024 23:53*	WG2304128
(S) p-Terphenyl-d14	*66.9*			*10.0-120*		*06/13/2024 23:53*	WG2304128

Sample Narrative:

L1741921-21 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	06/03/2024 16:04	WG2297630

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	7.13		1.33	4.01	25	06/05/2024 23:30	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 23:30*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0585	0.0802	1	06/11/2024 20:26	WG2303115
Acrylonitrile	U		0.00579	0.0200	1	06/11/2024 20:26	WG2303115
Benzene	0.000794	J	0.000749	0.00160	1	06/11/2024 20:26	WG2303115
Bromobenzene	U		0.00144	0.0200	1	06/11/2024 20:26	WG2303115
Bromodichloromethane	U		0.00116	0.00401	1	06/11/2024 20:26	WG2303115
Bromoform	U		0.00188	0.0401	1	06/11/2024 20:26	WG2303115
Bromomethane	U		0.00316	0.0200	1	06/11/2024 20:26	WG2303115
n-Butylbenzene	U		0.00842	0.0200	1	06/11/2024 20:26	WG2303115
sec-Butylbenzene	U		0.00462	0.0200	1	06/11/2024 20:26	WG2303115
tert-Butylbenzene	U		0.00313	0.00802	1	06/11/2024 20:26	WG2303115
Carbon tetrachloride	U		0.00144	0.00802	1	06/11/2024 20:26	WG2303115
Chlorobenzene	U		0.000337	0.00401	1	06/11/2024 20:26	WG2303115
Chlorodibromomethane	U		0.000981	0.00401	1	06/11/2024 20:26	WG2303115
Chloroethane	U		0.00273	0.00802	1	06/11/2024 20:26	WG2303115
Chloroform	U		0.00165	0.00401	1	06/11/2024 20:26	WG2303115
Chloromethane	U		0.00697	0.0200	1	06/11/2024 20:26	WG2303115
2-Chlorotoluene	U		0.00139	0.00401	1	06/11/2024 20:26	WG2303115
4-Chlorotoluene	U		0.000721	0.00802	1	06/11/2024 20:26	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00625	0.0401	1	06/11/2024 20:26	WG2303115
1,2-Dibromoethane	U		0.00104	0.00401	1	06/11/2024 20:26	WG2303115
Dibromomethane	U		0.00120	0.00802	1	06/11/2024 20:26	WG2303115
1,2-Dichlorobenzene	U		0.000681	0.00802	1	06/11/2024 20:26	WG2303115
1,3-Dichlorobenzene	U		0.000962	0.00802	1	06/11/2024 20:26	WG2303115
1,4-Dichlorobenzene	U		0.00112	0.00802	1	06/11/2024 20:26	WG2303115
Dichlorodifluoromethane	U		0.00258	0.00802	1	06/11/2024 20:26	WG2303115
1,1-Dichloroethane	U		0.000787	0.00401	1	06/11/2024 20:26	WG2303115
1,2-Dichloroethane	U		0.00104	0.00401	1	06/11/2024 20:26	WG2303115
1,1-Dichloroethene	U		0.000972	0.00401	1	06/11/2024 20:26	WG2303115
cis-1,2-Dichloroethene	U		0.00118	0.00401	1	06/11/2024 20:26	WG2303115
trans-1,2-Dichloroethene	U		0.00167	0.00802	1	06/11/2024 20:26	WG2303115
1,2-Dichloropropane	U		0.00228	0.00802	1	06/11/2024 20:26	WG2303115
1,1-Dichloropropene	U		0.00130	0.00401	1	06/11/2024 20:26	WG2303115
1,3-Dichloropropane	U		0.000803	0.00802	1	06/11/2024 20:26	WG2303115
cis-1,3-Dichloropropene	U		0.00121	0.00401	1	06/11/2024 20:26	WG2303115
trans-1,3-Dichloropropene	U		0.00183	0.00802	1	06/11/2024 20:26	WG2303115
2,2-Dichloropropane	U		0.00221	0.00401	1	06/11/2024 20:26	WG2303115
Di-isopropyl ether	U		0.000657	0.00160	1	06/11/2024 20:26	WG2303115
Ethylbenzene	0.00135	J	0.00118	0.00401	1	06/11/2024 20:26	WG2303115
Hexachloro-1,3-butadiene	U		0.00962	0.0401	1	06/11/2024 20:26	WG2303115
Isopropylbenzene	0.00274	J	0.000681	0.00401	1	06/11/2024 20:26	WG2303115
p-Isopropyltoluene	0.00632	J	0.00409	0.00802	1	06/11/2024 20:26	WG2303115
2-Butanone (MEK)	U	J3	0.102	0.160	1	06/11/2024 20:26	WG2303115
Methylene Chloride	U		0.0106	0.0401	1	06/11/2024 20:26	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00366	0.0401	1	06/11/2024 20:26	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000561	0.00160	1	06/11/2024 20:26	WG2303115
Naphthalene	U		0.00782	0.0200	1	06/11/2024 20:26	WG2303115
n-Propylbenzene	U		0.00152	0.00802	1	06/11/2024 20:26	WG2303115
Styrene	U		0.000367	0.0200	1	06/11/2024 20:26	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00152	0.00401	1	06/11/2024 20:26	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00111	0.00401	1	06/11/2024 20:26	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00121	0.00401	1	06/11/2024 20:26	WG2303115
Tetrachloroethene	U		0.00144	0.00401	1	06/11/2024 20:26	WG2303115
Toluene	0.00309	J	0.00208	0.00802	1	06/11/2024 20:26	WG2303115
1,2,3-Trichlorobenzene	U		0.0118	0.0200	1	06/11/2024 20:26	WG2303115
1,2,4-Trichlorobenzene	U		0.00705	0.0200	1	06/11/2024 20:26	WG2303115
1,1,1-Trichloroethane	U		0.00148	0.00401	1	06/11/2024 20:26	WG2303115
1,1,2-Trichloroethane	U		0.000957	0.00401	1	06/11/2024 20:26	WG2303115
Trichloroethene	U		0.000936	0.00160	1	06/11/2024 20:26	WG2303115
Trichlorofluoromethane	U		0.00133	0.00401	1	06/11/2024 20:26	WG2303115
1,2,3-Trichloropropane	U	J4	0.00260	0.0200	1	06/11/2024 20:26	WG2303115
1,2,4-Trimethylbenzene	0.0159		0.00253	0.00802	1	06/11/2024 20:26	WG2303115
1,2,3-Trimethylbenzene	0.00694	J	0.00253	0.00802	1	06/11/2024 20:26	WG2303115
1,3,5-Trimethylbenzene	0.0160		0.00321	0.00802	1	06/11/2024 20:26	WG2303115
Vinyl chloride	U		0.00186	0.00401	1	06/11/2024 20:26	WG2303115
Xylenes, Total	0.101		0.00141	0.0104	1	06/11/2024 20:26	WG2303115
(S) Toluene-d8	*104*			*75.0-131*		*06/11/2024 20:26*	WG2303115
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/11/2024 20:26*	WG2303115
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/11/2024 20:26*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.46	J	0.953	5.20	1	06/11/2024 13:00	WG2302178
C22-C32 Hydrocarbons	2.59	J	1.73	5.20	1	06/11/2024 13:00	WG2302178
C32-C40 Hydrocarbons	2.28	J	1.73	5.20	1	06/11/2024 13:00	WG2302178
(S) o-Terphenyl	*45.5*			*18.0-148*		*06/11/2024 13:00*	WG2302178

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.4		1	06/13/2024 07:36	WG2304167

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	10.0	B	1.41	4.26	25	06/13/2024 11:09	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*06/13/2024 11:09*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0622	0.0851	1	06/13/2024 02:38	WG2304049
Acrylonitrile	U		0.00615	0.0213	1	06/13/2024 02:38	WG2304049
Benzene	0.000964	J	0.000795	0.00170	1	06/13/2024 02:38	WG2304049
Bromobenzene	U		0.00153	0.0213	1	06/13/2024 02:38	WG2304049
Bromodichloromethane	U		0.00123	0.00426	1	06/13/2024 02:38	WG2304049
Bromoform	U		0.00199	0.0426	1	06/13/2024 02:38	WG2304049
Bromomethane	U		0.00335	0.0213	1	06/13/2024 02:38	WG2304049
n-Butylbenzene	U		0.00894	0.0213	1	06/13/2024 02:38	WG2304049
sec-Butylbenzene	U		0.00490	0.0213	1	06/13/2024 02:38	WG2304049
tert-Butylbenzene	U		0.00332	0.00851	1	06/13/2024 02:38	WG2304049
Carbon tetrachloride	U		0.00153	0.00851	1	06/13/2024 02:38	WG2304049
Chlorobenzene	U		0.000358	0.00426	1	06/13/2024 02:38	WG2304049
Chlorodibromomethane	U		0.00104	0.00426	1	06/13/2024 02:38	WG2304049
Chloroethane	U		0.00289	0.00851	1	06/13/2024 02:38	WG2304049
Chloroform	U		0.00175	0.00426	1	06/13/2024 02:38	WG2304049
Chloromethane	U		0.00741	0.0213	1	06/13/2024 02:38	WG2304049
2-Chlorotoluene	U		0.00147	0.00426	1	06/13/2024 02:38	WG2304049
4-Chlorotoluene	U		0.000766	0.00851	1	06/13/2024 02:38	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00664	0.0426	1	06/13/2024 02:38	WG2304049
1,2-Dibromoethane	U		0.00110	0.00426	1	06/13/2024 02:38	WG2304049
Dibromomethane	U		0.00128	0.00851	1	06/13/2024 02:38	WG2304049
1,2-Dichlorobenzene	U		0.000724	0.00851	1	06/13/2024 02:38	WG2304049
1,3-Dichlorobenzene	U		0.00102	0.00851	1	06/13/2024 02:38	WG2304049
1,4-Dichlorobenzene	U		0.00119	0.00851	1	06/13/2024 02:38	WG2304049
Dichlorodifluoromethane	U		0.00274	0.00851	1	06/13/2024 02:38	WG2304049
1,1-Dichloroethane	U		0.000836	0.00426	1	06/13/2024 02:38	WG2304049
1,2-Dichloroethane	U		0.00111	0.00426	1	06/13/2024 02:38	WG2304049
1,1-Dichloroethene	U		0.00103	0.00426	1	06/13/2024 02:38	WG2304049
cis-1,2-Dichloroethene	U		0.00125	0.00426	1	06/13/2024 02:38	WG2304049
trans-1,2-Dichloroethene	U		0.00177	0.00851	1	06/13/2024 02:38	WG2304049
1,2-Dichloropropane	U		0.00242	0.00851	1	06/13/2024 02:38	WG2304049
1,1-Dichloropropene	U		0.00138	0.00426	1	06/13/2024 02:38	WG2304049
1,3-Dichloropropane	U		0.000853	0.00851	1	06/13/2024 02:38	WG2304049
cis-1,3-Dichloropropene	U		0.00129	0.00426	1	06/13/2024 02:38	WG2304049
trans-1,3-Dichloropropene	U		0.00194	0.00851	1	06/13/2024 02:38	WG2304049
2,2-Dichloropropane	U		0.00235	0.00426	1	06/13/2024 02:38	WG2304049
Di-isopropyl ether	U		0.000698	0.00170	1	06/13/2024 02:38	WG2304049
Ethylbenzene	U		0.00126	0.00426	1	06/13/2024 02:38	WG2304049
Hexachloro-1,3-butadiene	U		0.0102	0.0426	1	06/13/2024 02:38	WG2304049
Isopropylbenzene	0.00305	J	0.000724	0.00426	1	06/13/2024 02:38	WG2304049
p-Isopropyltoluene	0.00877		0.00434	0.00851	1	06/13/2024 02:38	WG2304049
2-Butanone (MEK)	U		0.108	0.170	1	06/13/2024 02:38	WG2304049
Methylene Chloride	U		0.0113	0.0426	1	06/13/2024 02:38	WG2304049
4-Methyl-2-pentanone (MIBK)	0.00972	J	0.00388	0.0426	1	06/13/2024 02:38	WG2304049

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000596	0.00170	1	06/13/2024 02:38	WG2304049
Naphthalene	U	J3	0.00831	0.0213	1	06/13/2024 02:38	WG2304049
n-Propylbenzene	0.00189	J	0.00162	0.00851	1	06/13/2024 02:38	WG2304049
Styrene	U		0.000390	0.0213	1	06/13/2024 02:38	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00161	0.00426	1	06/13/2024 02:38	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00118	0.00426	1	06/13/2024 02:38	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00128	0.00426	1	06/13/2024 02:38	WG2304049
Tetrachloroethene	U		0.00153	0.00426	1	06/13/2024 02:38	WG2304049
Toluene	U		0.00221	0.00851	1	06/13/2024 02:38	WG2304049
1,2,3-Trichlorobenzene	U		0.0125	0.0213	1	06/13/2024 02:38	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00749	0.0213	1	06/13/2024 02:38	WG2304049
1,1,1-Trichloroethane	U		0.00157	0.00426	1	06/13/2024 02:38	WG2304049
1,1,2-Trichloroethane	U		0.00102	0.00426	1	06/13/2024 02:38	WG2304049
Trichloroethene	U		0.000994	0.00170	1	06/13/2024 02:38	WG2304049
Trichlorofluoromethane	U		0.00141	0.00426	1	06/13/2024 02:38	WG2304049
1,2,3-Trichloropropane	U		0.00276	0.0213	1	06/13/2024 02:38	WG2304049
1,2,4-Trimethylbenzene	0.00797	J	0.00269	0.00851	1	06/13/2024 02:38	WG2304049
1,2,3-Trimethylbenzene	0.00562	J	0.00269	0.00851	1	06/13/2024 02:38	WG2304049
1,3,5-Trimethylbenzene	0.0108		0.00341	0.00851	1	06/13/2024 02:38	WG2304049
Vinyl chloride	U		0.00198	0.00426	1	06/13/2024 02:38	WG2304049
Xylenes, Total	0.116		0.00150	0.0111	1	06/13/2024 02:38	WG2304049
(S) Toluene-d8	*103*			*75.0-131*		*06/13/2024 02:38*	WG2304049
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/13/2024 02:38*	WG2304049
(S) 1,2-Dichloroethane-d4	*77.1*			*70.0-130*		*06/13/2024 02:38*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.959	5.23	1	06/14/2024 02:44	WG2304127
C22-C32 Hydrocarbons	U		1.74	5.23	1	06/14/2024 02:44	WG2304127
C32-C40 Hydrocarbons	U		1.74	5.23	1	06/14/2024 02:44	WG2304127
(S) o-Terphenyl	*55.9*			*18.0-148*		*06/14/2024 02:44*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.141	0.872	20	06/14/2024 11:21	WG2304128
Acenaphthylene	U		0.123	0.872	20	06/14/2024 11:21	WG2304128
Anthracene	U		0.156	0.872	20	06/14/2024 11:21	WG2304128
Benzidine	U		1.64	43.7	20	06/14/2024 11:21	WG2304128
Benzo(a)anthracene	U		0.153	0.872	20	06/14/2024 11:21	WG2304128
Benzo(b)fluoranthene	0.174	J	0.162	0.872	20	06/14/2024 11:21	WG2304128
Benzo(k)fluoranthene	U		0.154	0.872	20	06/14/2024 11:21	WG2304128
Benzo(g,h,i)perylene	U		0.160	0.872	20	06/14/2024 11:21	WG2304128
Benzo(a)pyrene	U		0.162	0.872	20	06/14/2024 11:21	WG2304128
Bis(2-chlorethoxy)methane	U		0.262	8.72	20	06/14/2024 11:21	WG2304128
Bis(2-chloroethyl)ether	U		0.288	8.72	20	06/14/2024 11:21	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.377	8.72	20	06/14/2024 11:21	WG2304128
4-Bromophenyl-phenylether	U		0.306	8.72	20	06/14/2024 11:21	WG2304128
2-Chloronaphthalene	U		0.153	0.872	20	06/14/2024 11:21	WG2304128
4-Chlorophenyl-phenylether	U		0.304	8.72	20	06/14/2024 11:21	WG2304128
Chrysene	U		0.173	0.872	20	06/14/2024 11:21	WG2304128
Dibenz(a,h)anthracene	U		0.242	0.872	20	06/14/2024 11:21	WG2304128
1,2-Dichlorobenzene	U		0.258	8.72	20	06/14/2024 11:21	WG2304128
1,3-Dichlorobenzene	U		0.264	8.72	20	06/14/2024 11:21	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.259	8.72	20	06/14/2024 11:21	WG2304128
3,3-Dichlorobenzidine	U		0.322	8.72	20	06/14/2024 11:21	WG2304128
2,4-Dinitrotoluene	U		0.250	8.72	20	06/14/2024 11:21	WG2304128
2,6-Dinitrotoluene	U		0.285	8.72	20	06/14/2024 11:21	WG2304128
Fluoranthene	U		0.157	0.872	20	06/14/2024 11:21	WG2304128
Fluorene	U		0.141	0.872	20	06/14/2024 11:21	WG2304128
Hexachlorobenzene	U		0.309	8.72	20	06/14/2024 11:21	WG2304128
Hexachloro-1,3-butadiene	U		0.293	8.72	20	06/14/2024 11:21	WG2304128
Hexachlorocyclopentadiene	U		0.458	8.72	20	06/14/2024 11:21	WG2304128
Hexachloroethane	U		0.343	8.72	20	06/14/2024 11:21	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.246	0.872	20	06/14/2024 11:21	WG2304128
Isophorone	U		0.267	8.72	20	06/14/2024 11:21	WG2304128
Naphthalene	U		0.219	0.872	20	06/14/2024 11:21	WG2304128
Nitrobenzene	U		0.304	8.72	20	06/14/2024 11:21	WG2304128
n-Nitrosodimethylamine	U		1.29	8.72	20	06/14/2024 11:21	WG2304128
n-Nitrosodiphenylamine	U		0.660	8.72	20	06/14/2024 11:21	WG2304128
n-Nitrosodi-n-propylamine	U		0.291	8.72	20	06/14/2024 11:21	WG2304128
Phenanthrene	U		0.173	0.872	20	06/14/2024 11:21	WG2304128
Benzylbutyl phthalate	U		0.272	8.72	20	06/14/2024 11:21	WG2304128
Bis(2-ethylhexyl)phthalate	U		1.10	8.72	20	06/14/2024 11:21	WG2304128
Di-n-butyl phthalate	U		0.298	8.72	20	06/14/2024 11:21	WG2304128
Diethyl phthalate	U		0.288	8.72	20	06/14/2024 11:21	WG2304128
Dimethyl phthalate	U		1.85	8.72	20	06/14/2024 11:21	WG2304128
Di-n-octyl phthalate	U		0.589	8.72	20	06/14/2024 11:21	WG2304128
Pyrene	U		0.170	0.872	20	06/14/2024 11:21	WG2304128
1,2,4-Trichlorobenzene	U		0.272	8.72	20	06/14/2024 11:21	WG2304128
4-Chloro-3-methylphenol	U		0.283	8.72	20	06/14/2024 11:21	WG2304128
2-Chlorophenol	U		0.288	8.72	20	06/14/2024 11:21	WG2304128
2,4-Dichlorophenol	U		0.254	8.72	20	06/14/2024 11:21	WG2304128
2,4-Dimethylphenol	U		0.228	8.72	20	06/14/2024 11:21	WG2304128
4,6-Dinitro-2-methylphenol	U		1.98	8.72	20	06/14/2024 11:21	WG2304128
2,4-Dinitrophenol	U		2.04	8.72	20	06/14/2024 11:21	WG2304128
2-Nitrophenol	U		0.311	8.72	20	06/14/2024 11:21	WG2304128
4-Nitrophenol	U		0.272	8.72	20	06/14/2024 11:21	WG2304128
Pentachlorophenol	U		0.234	8.72	20	06/14/2024 11:21	WG2304128
Phenol	U		0.351	8.72	20	06/14/2024 11:21	WG2304128
2,4,6-Trichlorophenol	U		0.280	8.72	20	06/14/2024 11:21	WG2304128
(S) 2-Fluorophenol	*83.9*	J7		*12.0-120*		*06/14/2024 11:21*	WG2304128
(S) Phenol-d5	*74.2*	J7		*10.0-120*		*06/14/2024 11:21*	WG2304128
(S) Nitrobenzene-d5	*62.7*	J7		*10.0-122*		*06/14/2024 11:21*	WG2304128
(S) 2-Fluorobiphenyl	*77.6*	J7		*15.0-120*		*06/14/2024 11:21*	WG2304128
(S) 2,4,6-Tribromophenol	*76.7*	J7		*10.0-127*		*06/14/2024 11:21*	WG2304128
(S) p-Terphenyl-d14	*100*	J7		*10.0-120*		*06/14/2024 11:21*	WG2304128

Sample Narrative:

L1741921-23 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.3		1	06/03/2024 16:04	WG2297630

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0546	0.0748	1	06/11/2024 20:44	WG2303115
Acrylonitrile	U		0.00540	0.0187	1	06/11/2024 20:44	WG2303115
Benzene	U		0.000698	0.00150	1	06/11/2024 20:44	WG2303115
Bromobenzene	U		0.00135	0.0187	1	06/11/2024 20:44	WG2303115
Bromodichloromethane	U		0.00108	0.00374	1	06/11/2024 20:44	WG2303115
Bromoform	U		0.00175	0.0374	1	06/11/2024 20:44	WG2303115
Bromomethane	U		0.00295	0.0187	1	06/11/2024 20:44	WG2303115
n-Butylbenzene	U		0.00785	0.0187	1	06/11/2024 20:44	WG2303115
sec-Butylbenzene	U		0.00431	0.0187	1	06/11/2024 20:44	WG2303115
tert-Butylbenzene	U		0.00292	0.00748	1	06/11/2024 20:44	WG2303115
Carbon tetrachloride	U		0.00134	0.00748	1	06/11/2024 20:44	WG2303115
Chlorobenzene	U		0.000314	0.00374	1	06/11/2024 20:44	WG2303115
Chlorodibromomethane	U		0.000915	0.00374	1	06/11/2024 20:44	WG2303115
Chloroethane	U		0.00254	0.00748	1	06/11/2024 20:44	WG2303115
Chloroform	U		0.00154	0.00374	1	06/11/2024 20:44	WG2303115
Chloromethane	U		0.00650	0.0187	1	06/11/2024 20:44	WG2303115
2-Chlorotoluene	U		0.00129	0.00374	1	06/11/2024 20:44	WG2303115
4-Chlorotoluene	U		0.000673	0.00748	1	06/11/2024 20:44	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00583	0.0374	1	06/11/2024 20:44	WG2303115
1,2-Dibromoethane	U		0.000969	0.00374	1	06/11/2024 20:44	WG2303115
Dibromomethane	U		0.00112	0.00748	1	06/11/2024 20:44	WG2303115
1,2-Dichlorobenzene	U		0.000635	0.00748	1	06/11/2024 20:44	WG2303115
1,3-Dichlorobenzene	U		0.000897	0.00748	1	06/11/2024 20:44	WG2303115
1,4-Dichlorobenzene	U		0.00105	0.00748	1	06/11/2024 20:44	WG2303115
Dichlorodifluoromethane	U		0.00241	0.00748	1	06/11/2024 20:44	WG2303115
1,1-Dichloroethane	U		0.000734	0.00374	1	06/11/2024 20:44	WG2303115
1,2-Dichloroethane	U		0.000970	0.00374	1	06/11/2024 20:44	WG2303115
1,1-Dichloroethene	U		0.000906	0.00374	1	06/11/2024 20:44	WG2303115
cis-1,2-Dichloroethene	U		0.00110	0.00374	1	06/11/2024 20:44	WG2303115
trans-1,2-Dichloroethene	U		0.00155	0.00748	1	06/11/2024 20:44	WG2303115
1,2-Dichloropropane	U		0.00212	0.00748	1	06/11/2024 20:44	WG2303115
1,1-Dichloropropene	U		0.00121	0.00374	1	06/11/2024 20:44	WG2303115
1,3-Dichloropropane	U		0.000749	0.00748	1	06/11/2024 20:44	WG2303115
cis-1,3-Dichloropropene	U		0.00113	0.00374	1	06/11/2024 20:44	WG2303115
trans-1,3-Dichloropropene	U		0.00170	0.00748	1	06/11/2024 20:44	WG2303115
2,2-Dichloropropane	U		0.00206	0.00374	1	06/11/2024 20:44	WG2303115
Di-isopropyl ether	U		0.000613	0.00150	1	06/11/2024 20:44	WG2303115
Ethylbenzene	U		0.00110	0.00374	1	06/11/2024 20:44	WG2303115
Hexachloro-1,3-butadiene	U		0.00897	0.0374	1	06/11/2024 20:44	WG2303115
Isopropylbenzene	U		0.000635	0.00374	1	06/11/2024 20:44	WG2303115
p-Isopropyltoluene	U		0.00381	0.00748	1	06/11/2024 20:44	WG2303115
2-Butanone (MEK)	U	J3	0.0949	0.150	1	06/11/2024 20:44	WG2303115
Methylene Chloride	U		0.00993	0.0374	1	06/11/2024 20:44	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00341	0.0374	1	06/11/2024 20:44	WG2303115
Methyl tert-butyl ether	U		0.000523	0.00150	1	06/11/2024 20:44	WG2303115
Naphthalene	U		0.00730	0.0187	1	06/11/2024 20:44	WG2303115
n-Propylbenzene	U		0.00142	0.00748	1	06/11/2024 20:44	WG2303115
Styrene	U		0.000342	0.0187	1	06/11/2024 20:44	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00142	0.00374	1	06/11/2024 20:44	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00104	0.00374	1	06/11/2024 20:44	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	J3	0.00113	0.00374	1	06/11/2024 20:44	WG2303115
Tetrachloroethene	U		0.00134	0.00374	1	06/11/2024 20:44	WG2303115
Toluene	U		0.00194	0.00748	1	06/11/2024 20:44	WG2303115
1,2,3-Trichlorobenzene	U		0.0110	0.0187	1	06/11/2024 20:44	WG2303115
1,2,4-Trichlorobenzene	U		0.00658	0.0187	1	06/11/2024 20:44	WG2303115
1,1,1-Trichloroethane	U		0.00138	0.00374	1	06/11/2024 20:44	WG2303115
1,1,2-Trichloroethane	U		0.000893	0.00374	1	06/11/2024 20:44	WG2303115
Trichloroethene	U		0.000873	0.00150	1	06/11/2024 20:44	WG2303115
Trichlorofluoromethane	U		0.00124	0.00374	1	06/11/2024 20:44	WG2303115
1,2,3-Trichloropropane	U	J4	0.00242	0.0187	1	06/11/2024 20:44	WG2303115
1,2,4-Trimethylbenzene	U		0.00236	0.00748	1	06/11/2024 20:44	WG2303115
1,2,3-Trimethylbenzene	U		0.00236	0.00748	1	06/11/2024 20:44	WG2303115
1,3,5-Trimethylbenzene	U		0.00299	0.00748	1	06/11/2024 20:44	WG2303115
Vinyl chloride	U		0.00173	0.00374	1	06/11/2024 20:44	WG2303115
Xylenes, Total	U		0.00132	0.00972	1	06/11/2024 20:44	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/11/2024 20:44*	WG2303115
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*06/11/2024 20:44*	WG2303115
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/11/2024 20:44*	WG2303115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.232		0.0207	0.0460	1	06/05/2024 18:52	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.60		0.626	2.30	1	06/09/2024 08:44	WG2299945
Arsenic	U		0.596	2.30	1	06/09/2024 08:44	WG2299945
Barium	315		0.0980	0.575	1	06/09/2024 08:44	WG2299945
Beryllium	0.258		0.0362	0.230	1	06/09/2024 08:44	WG2299945
Cadmium	1.13		0.0542	0.575	1	06/09/2024 08:44	WG2299945
Chromium	52.2		0.153	1.15	1	06/09/2024 08:44	WG2299945
Cobalt	15.7		0.0933	1.15	1	06/09/2024 08:44	WG2299945
Copper	54.1		0.460	2.30	1	06/09/2024 08:44	WG2299945
Lead	217		0.239	0.575	1	06/09/2024 08:44	WG2299945
Molybdenum	1.25		0.125	0.575	1	06/09/2024 08:44	WG2299945
Nickel	64.7		0.152	2.30	1	06/09/2024 08:44	WG2299945
Selenium	U		0.879	2.30	1	06/09/2024 08:44	WG2299945
Silver	0.475	B J	0.146	1.15	1	06/09/2024 08:44	WG2299945
Thallium	U		0.453	2.30	1	06/09/2024 08:44	WG2299945
Vanadium	52.3		0.582	2.30	1	06/09/2024 08:44	WG2299945
Zinc	373		0.957	5.75	1	06/09/2024 08:44	WG2299945

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0136	0.0391	1	06/13/2024 12:26	WG2303247
PCB 1221	U		0.0136	0.0391	1	06/13/2024 12:26	WG2303247
PCB 1232	U		0.0136	0.0391	1	06/13/2024 12:26	WG2303247
PCB 1242	U		0.0136	0.0391	1	06/13/2024 12:26	WG2303247
PCB 1248	U		0.00849	0.0196	1	06/13/2024 12:26	WG2303247
PCB 1254	U		0.00849	0.0196	1	06/13/2024 12:26	WG2303247
PCB 1260	0.0405		0.00849	0.0196	1	06/19/2024 00:44	WG2303247
(S) Decachlorobiphenyl	*85.6*			*10.0-135*		*06/19/2024 00:44*	WG2303247
(S) Decachlorobiphenyl	*70.0*			*10.0-135*		*06/13/2024 12:26*	WG2303247
(S) Tetrachloro-m-xylene	*64.8*			*10.0-139*		*06/13/2024 12:26*	WG2303247
(S) Tetrachloro-m-xylene	*80.4*			*10.0-139*		*06/19/2024 00:44*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0124	0.0766	2	06/12/2024 04:27	WG2302475
Acenaphthylene	U		0.0108	0.0766	2	06/12/2024 04:27	WG2302475
Anthracene	U		0.0137	0.0766	2	06/12/2024 04:27	WG2302475
Benzidine	U		0.144	3.84	2	06/12/2024 04:27	WG2302475
Benzo(a)anthracene	U		0.0135	0.0766	2	06/12/2024 04:27	WG2302475
Benzo(b)fluoranthene	0.0175	J	0.0143	0.0766	2	06/12/2024 04:27	WG2302475
Benzo(k)fluoranthene	U		0.0136	0.0766	2	06/12/2024 04:27	WG2302475
Benzo(g,h,i)perylene	U		0.0140	0.0766	2	06/12/2024 04:27	WG2302475
Benzo(a)pyrene	U		0.0143	0.0766	2	06/12/2024 04:27	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0230	0.766	2	06/12/2024 04:27	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0253	0.766	2	06/12/2024 04:27	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0331	0.766	2	06/12/2024 04:27	WG2302475
4-Bromophenyl-phenylether	U		0.0269	0.766	2	06/12/2024 04:27	WG2302475
2-Chloronaphthalene	U		0.0135	0.0766	2	06/12/2024 04:27	WG2302475
4-Chlorophenyl-phenylether	U		0.0267	0.766	2	06/12/2024 04:27	WG2302475
Chrysene	U		0.0152	0.0766	2	06/12/2024 04:27	WG2302475
Dibenz(a,h)anthracene	U		0.0213	0.0766	2	06/12/2024 04:27	WG2302475
1,2-Dichlorobenzene	U		0.0227	0.766	2	06/12/2024 04:27	WG2302475
1,3-Dichlorobenzene	U		0.0232	0.766	2	06/12/2024 04:27	WG2302475
1,4-Dichlorobenzene	U		0.0228	0.766	2	06/12/2024 04:27	WG2302475
3,3-Dichlorobenzidine	U		0.0283	0.766	2	06/12/2024 04:27	WG2302475
2,4-Dinitrotoluene	U		0.0220	0.766	2	06/12/2024 04:27	WG2302475
2,6-Dinitrotoluene	U		0.0251	0.766	2	06/12/2024 04:27	WG2302475
Fluoranthene	0.0170	J	0.0138	0.0766	2	06/12/2024 04:27	WG2302475
Fluorene	U		0.0124	0.0766	2	06/12/2024 04:27	WG2302475
Hexachlorobenzene	U		0.0271	0.766	2	06/12/2024 04:27	WG2302475
Hexachloro-1,3-butadiene	U		0.0258	0.766	2	06/12/2024 04:27	WG2302475
Hexachlorocyclopentadiene	U		0.0403	0.766	2	06/12/2024 04:27	WG2302475
Hexachloroethane	U		0.0301	0.766	2	06/12/2024 04:27	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0216	0.0766	2	06/12/2024 04:27	WG2302475
Isophorone	U		0.0235	0.766	2	06/12/2024 04:27	WG2302475
Naphthalene	U		0.0192	0.0766	2	06/12/2024 04:27	WG2302475
Nitrobenzene	U		0.0267	0.766	2	06/12/2024 04:27	WG2302475
n-Nitrosodimethylamine	U		0.114	0.766	2	06/12/2024 04:27	WG2302475
n-Nitrosodiphenylamine	U		0.0580	0.766	2	06/12/2024 04:27	WG2302475
n-Nitrosodi-n-propylamine	U		0.0255	0.766	2	06/12/2024 04:27	WG2302475
Phenanthrene	U		0.0152	0.0766	2	06/12/2024 04:27	WG2302475
Benzylbutyl phthalate	U		0.0239	0.766	2	06/12/2024 04:27	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0971	0.766	2	06/12/2024 04:27	WG2302475
Di-n-butyl phthalate	U		0.0262	0.766	2	06/12/2024 04:27	WG2302475
Diethyl phthalate	U		0.0253	0.766	2	06/12/2024 04:27	WG2302475
Dimethyl phthalate	U		0.162	0.766	2	06/12/2024 04:27	WG2302475
Di-n-octyl phthalate	U		0.0518	0.766	2	06/12/2024 04:27	WG2302475
Pyrene	U		0.0150	0.0766	2	06/12/2024 04:27	WG2302475
1,2,4-Trichlorobenzene	U		0.0239	0.766	2	06/12/2024 04:27	WG2302475
4-Chloro-3-methylphenol	U		0.0248	0.766	2	06/12/2024 04:27	WG2302475
2-Chlorophenol	U		0.0253	0.766	2	06/12/2024 04:27	WG2302475
2,4-Dichlorophenol	U		0.0223	0.766	2	06/12/2024 04:27	WG2302475
2,4-Dimethylphenol	U		0.0200	0.766	2	06/12/2024 04:27	WG2302475
4,6-Dinitro-2-methylphenol	U		0.174	0.766	2	06/12/2024 04:27	WG2302475
2,4-Dinitrophenol	U		0.179	0.766	2	06/12/2024 04:27	WG2302475
2-Nitrophenol	U		0.0274	0.766	2	06/12/2024 04:27	WG2302475
4-Nitrophenol	U		0.0239	0.766	2	06/12/2024 04:27	WG2302475
Pentachlorophenol	U		0.0206	0.766	2	06/12/2024 04:27	WG2302475
Phenol	U		0.0308	0.766	2	06/12/2024 04:27	WG2302475
2,4,6-Trichlorophenol	U		0.0246	0.766	2	06/12/2024 04:27	WG2302475
(S) 2-Fluorophenol	*70.6*			*12.0-120*		*06/12/2024 04:27*	WG2302475
(S) Phenol-d5	*66.7*			*10.0-120*		*06/12/2024 04:27*	WG2302475
(S) Nitrobenzene-d5	*68.1*			*10.0-122*		*06/12/2024 04:27*	WG2302475
(S) 2-Fluorobiphenyl	*59.9*			*15.0-120*		*06/12/2024 04:27*	WG2302475
(S) 2,4,6-Tribromophenol	*64.8*			*10.0-127*		*06/12/2024 04:27*	WG2302475
(S) p-Terphenyl-d14	*67.5*			*10.0-120*		*06/12/2024 04:27*	WG2302475

Sample Narrative:

L1741921-25 WG2302475: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.446		0.0208	0.0462	1	06/05/2024 18:55	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.21		0.629	2.31	1	06/09/2024 08:46	WG2299945
Arsenic	U		0.599	2.31	1	06/09/2024 08:46	WG2299945
Barium	193		0.0984	0.578	1	06/09/2024 08:46	WG2299945
Beryllium	0.139	J	0.0364	0.231	1	06/09/2024 08:46	WG2299945
Cadmium	1.20		0.0544	0.578	1	06/09/2024 08:46	WG2299945
Chromium	84.0		0.154	1.16	1	06/09/2024 08:46	WG2299945
Cobalt	26.3		0.0937	1.16	1	06/09/2024 08:46	WG2299945
Copper	101		0.462	2.31	1	06/09/2024 08:46	WG2299945
Lead	207		0.240	0.578	1	06/09/2024 08:46	WG2299945
Molybdenum	0.533	J	0.126	0.578	1	06/09/2024 08:46	WG2299945
Nickel	61.1		0.153	2.31	1	06/09/2024 08:46	WG2299945
Selenium	1.21	J	0.883	2.31	1	06/09/2024 08:46	WG2299945
Silver	1.01	B J	0.147	1.16	1	06/09/2024 08:46	WG2299945
Thallium	U		0.455	2.31	1	06/09/2024 08:46	WG2299945
Vanadium	47.1		0.585	2.31	1	06/09/2024 08:46	WG2299945
Zinc	313		0.961	5.78	1	06/09/2024 08:46	WG2299945

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0479	0.0656	1	06/11/2024 21:03	WG2303115
Acrylonitrile	U		0.00473	0.0164	1	06/11/2024 21:03	WG2303115
Benzene	U		0.000612	0.00131	1	06/11/2024 21:03	WG2303115
Bromobenzene	U		0.00118	0.0164	1	06/11/2024 21:03	WG2303115
Bromodichloromethane	U		0.000950	0.00328	1	06/11/2024 21:03	WG2303115
Bromoform	U		0.00153	0.0328	1	06/11/2024 21:03	WG2303115
Bromomethane	U		0.00258	0.0164	1	06/11/2024 21:03	WG2303115
n-Butylbenzene	U		0.00688	0.0164	1	06/11/2024 21:03	WG2303115
sec-Butylbenzene	U		0.00378	0.0164	1	06/11/2024 21:03	WG2303115
tert-Butylbenzene	U		0.00256	0.00656	1	06/11/2024 21:03	WG2303115
Carbon tetrachloride	U		0.00118	0.00656	1	06/11/2024 21:03	WG2303115
Chlorobenzene	U		0.000275	0.00328	1	06/11/2024 21:03	WG2303115
Chlorodibromomethane	U		0.000802	0.00328	1	06/11/2024 21:03	WG2303115
Chloroethane	U		0.00223	0.00656	1	06/11/2024 21:03	WG2303115
Chloroform	U		0.00135	0.00328	1	06/11/2024 21:03	WG2303115
Chloromethane	U		0.00570	0.0164	1	06/11/2024 21:03	WG2303115
2-Chlorotoluene	U		0.00113	0.00328	1	06/11/2024 21:03	WG2303115
4-Chlorotoluene	U		0.000590	0.00656	1	06/11/2024 21:03	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00511	0.0328	1	06/11/2024 21:03	WG2303115
1,2-Dibromoethane	U		0.000850	0.00328	1	06/11/2024 21:03	WG2303115
Dibromomethane	U		0.000983	0.00656	1	06/11/2024 21:03	WG2303115
1,2-Dichlorobenzene	U		0.000557	0.00656	1	06/11/2024 21:03	WG2303115
1,3-Dichlorobenzene	U		0.000787	0.00656	1	06/11/2024 21:03	WG2303115
1,4-Dichlorobenzene	U		0.000918	0.00656	1	06/11/2024 21:03	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00211	0.00656	1	06/11/2024 21:03	WG2303115
1,1-Dichloroethane	U		0.000644	0.00328	1	06/11/2024 21:03	WG2303115
1,2-Dichloroethane	U		0.000851	0.00328	1	06/11/2024 21:03	WG2303115
1,1-Dichloroethene	U		0.000794	0.00328	1	06/11/2024 21:03	WG2303115
cis-1,2-Dichloroethene	U		0.000962	0.00328	1	06/11/2024 21:03	WG2303115
trans-1,2-Dichloroethene	U		0.00136	0.00656	1	06/11/2024 21:03	WG2303115
1,2-Dichloropropane	U		0.00186	0.00656	1	06/11/2024 21:03	WG2303115
1,1-Dichloropropene	U		0.00106	0.00328	1	06/11/2024 21:03	WG2303115
1,3-Dichloropropane	U		0.000657	0.00656	1	06/11/2024 21:03	WG2303115
cis-1,3-Dichloropropene	U		0.000992	0.00328	1	06/11/2024 21:03	WG2303115
trans-1,3-Dichloropropene	U		0.00149	0.00656	1	06/11/2024 21:03	WG2303115
2,2-Dichloropropane	U		0.00181	0.00328	1	06/11/2024 21:03	WG2303115
Di-isopropyl ether	U		0.000538	0.00131	1	06/11/2024 21:03	WG2303115
Ethylbenzene	U		0.000966	0.00328	1	06/11/2024 21:03	WG2303115
Hexachloro-1,3-butadiene	U		0.00787	0.0328	1	06/11/2024 21:03	WG2303115
Isopropylbenzene	U		0.000557	0.00328	1	06/11/2024 21:03	WG2303115
p-Isopropyltoluene	U		0.00334	0.00656	1	06/11/2024 21:03	WG2303115
2-Butanone (MEK)	U	J3	0.0832	0.131	1	06/11/2024 21:03	WG2303115
Methylene Chloride	U		0.00871	0.0328	1	06/11/2024 21:03	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00299	0.0328	1	06/11/2024 21:03	WG2303115
Methyl tert-butyl ether	U		0.000459	0.00131	1	06/11/2024 21:03	WG2303115
Naphthalene	U		0.00640	0.0164	1	06/11/2024 21:03	WG2303115
n-Propylbenzene	U		0.00125	0.00656	1	06/11/2024 21:03	WG2303115
Styrene	U		0.000300	0.0164	1	06/11/2024 21:03	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00124	0.00328	1	06/11/2024 21:03	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000911	0.00328	1	06/11/2024 21:03	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.000988	0.00328	1	06/11/2024 21:03	WG2303115
Tetrachloroethene	U		0.00117	0.00328	1	06/11/2024 21:03	WG2303115
Toluene	U		0.00170	0.00656	1	06/11/2024 21:03	WG2303115
1,2,3-Trichlorobenzene	U		0.00961	0.0164	1	06/11/2024 21:03	WG2303115
1,2,4-Trichlorobenzene	U		0.00577	0.0164	1	06/11/2024 21:03	WG2303115
1,1,1-Trichloroethane	U		0.00121	0.00328	1	06/11/2024 21:03	WG2303115
1,1,2-Trichloroethane	U		0.000783	0.00328	1	06/11/2024 21:03	WG2303115
Trichloroethene	U		0.000766	0.00131	1	06/11/2024 21:03	WG2303115
Trichlorofluoromethane	U		0.00108	0.00328	1	06/11/2024 21:03	WG2303115
1,2,3-Trichloropropane	U	J4	0.00212	0.0164	1	06/11/2024 21:03	WG2303115
1,2,4-Trimethylbenzene	U		0.00207	0.00656	1	06/11/2024 21:03	WG2303115
1,2,3-Trimethylbenzene	U		0.00207	0.00656	1	06/11/2024 21:03	WG2303115
1,3,5-Trimethylbenzene	U		0.00262	0.00656	1	06/11/2024 21:03	WG2303115
Vinyl chloride	U		0.00152	0.00328	1	06/11/2024 21:03	WG2303115
Xylenes, Total	U		0.00115	0.00852	1	06/11/2024 21:03	WG2303115
(S) Toluene-d8	*103*			*75.0-131*		*06/11/2024 21:03*	WG2303115
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/11/2024 21:03*	WG2303115
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/11/2024 21:03*	WG2303115

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0136	0.0393	1	07/01/2024 23:25	WG2314791
PCB 1221	U		0.0136	0.0393	1	07/01/2024 23:25	WG2314791
PCB 1232	U		0.0136	0.0393	1	07/01/2024 23:25	WG2314791
PCB 1242	U		0.0136	0.0393	1	07/01/2024 23:25	WG2314791
PCB 1248	U		0.00853	0.0196	1	07/01/2024 23:25	WG2314791
PCB 1254	U		0.00853	0.0196	1	07/01/2024 23:25	WG2314791
PCB 1260	U		0.00853	0.0196	1	07/01/2024 23:25	WG2314791
(S) Decachlorobiphenyl	*59.5*			*10.0-135*		*07/01/2024 23:25*	WG2314791

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*82.7*			*10.0-139*		*07/01/2024 23:25*	WG2314791

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0125	0.0770	2	06/12/2024 04:47	WG2302475
Acenaphthylene	U		0.0108	0.0770	2	06/12/2024 04:47	WG2302475
Anthracene	U		0.0138	0.0770	2	06/12/2024 04:47	WG2302475
Benzidine	U		0.144	3.86	2	06/12/2024 04:47	WG2302475
Benzo(a)anthracene	0.0258	J	0.0135	0.0770	2	06/12/2024 04:47	WG2302475
Benzo(b)fluoranthene	0.0433	J	0.0143	0.0770	2	06/12/2024 04:47	WG2302475
Benzo(k)fluoranthene	U		0.0136	0.0770	2	06/12/2024 04:47	WG2302475
Benzo(g,h,i)perylene	0.0311	J	0.0141	0.0770	2	06/12/2024 04:47	WG2302475
Benzo(a)pyrene	0.0374	J	0.0143	0.0770	2	06/12/2024 04:47	WG2302475
Bis(2-chlorethoxy)methane	U		0.0231	0.770	2	06/12/2024 04:47	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0254	0.770	2	06/12/2024 04:47	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0333	0.770	2	06/12/2024 04:47	WG2302475
4-Bromophenyl-phenylether	U		0.0270	0.770	2	06/12/2024 04:47	WG2302475
2-Chloronaphthalene	U		0.0135	0.0770	2	06/12/2024 04:47	WG2302475
4-Chlorophenyl-phenylether	U		0.0268	0.770	2	06/12/2024 04:47	WG2302475
Chrysene	0.0232	J	0.0153	0.0770	2	06/12/2024 04:47	WG2302475
Dibenz(a,h)anthracene	U		0.0214	0.0770	2	06/12/2024 04:47	WG2302475
1,2-Dichlorobenzene	U		0.0228	0.770	2	06/12/2024 04:47	WG2302475
1,3-Dichlorobenzene	U		0.0233	0.770	2	06/12/2024 04:47	WG2302475
1,4-Dichlorobenzene	U		0.0229	0.770	2	06/12/2024 04:47	WG2302475
3,3-Dichlorobenzidine	U		0.0284	0.770	2	06/12/2024 04:47	WG2302475
2,4-Dinitrotoluene	U		0.0221	0.770	2	06/12/2024 04:47	WG2302475
2,6-Dinitrotoluene	U		0.0252	0.770	2	06/12/2024 04:47	WG2302475
Fluoranthene	0.0366	J	0.0139	0.0770	2	06/12/2024 04:47	WG2302475
Fluorene	U		0.0125	0.0770	2	06/12/2024 04:47	WG2302475
Hexachlorobenzene	U		0.0273	0.770	2	06/12/2024 04:47	WG2302475
Hexachloro-1,3-butadiene	U		0.0259	0.770	2	06/12/2024 04:47	WG2302475
Hexachlorocyclopentadiene	U		0.0404	0.770	2	06/12/2024 04:47	WG2302475
Hexachloroethane	U		0.0303	0.770	2	06/12/2024 04:47	WG2302475
Indeno(1,2,3-cd)pyrene	0.0269	J	0.0217	0.0770	2	06/12/2024 04:47	WG2302475
Isophorone	U		0.0236	0.770	2	06/12/2024 04:47	WG2302475
Naphthalene	U		0.0193	0.0770	2	06/12/2024 04:47	WG2302475
Nitrobenzene	U		0.0268	0.770	2	06/12/2024 04:47	WG2302475
n-Nitrosodimethylamine	U		0.114	0.770	2	06/12/2024 04:47	WG2302475
n-Nitrosodiphenylamine	U		0.0582	0.770	2	06/12/2024 04:47	WG2302475
n-Nitrosodi-n-propylamine	U		0.0257	0.770	2	06/12/2024 04:47	WG2302475
Phenanthrene	0.0201	J	0.0153	0.0770	2	06/12/2024 04:47	WG2302475
Benzylbutyl phthalate	U		0.0240	0.770	2	06/12/2024 04:47	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0975	0.770	2	06/12/2024 04:47	WG2302475
Di-n-butyl phthalate	0.0335	J	0.0263	0.770	2	06/12/2024 04:47	WG2302475
Diethyl phthalate	U		0.0254	0.770	2	06/12/2024 04:47	WG2302475
Dimethyl phthalate	U		0.163	0.770	2	06/12/2024 04:47	WG2302475
Di-n-octyl phthalate	U		0.0520	0.770	2	06/12/2024 04:47	WG2302475
Pyrene	0.0389	J	0.0150	0.0770	2	06/12/2024 04:47	WG2302475
1,2,4-Trichlorobenzene	U		0.0240	0.770	2	06/12/2024 04:47	WG2302475
4-Chloro-3-methylphenol	U		0.0250	0.770	2	06/12/2024 04:47	WG2302475
2-Chlorophenol	U		0.0254	0.770	2	06/12/2024 04:47	WG2302475
2,4-Dichlorophenol	U		0.0224	0.770	2	06/12/2024 04:47	WG2302475
2,4-Dimethylphenol	U		0.0201	0.770	2	06/12/2024 04:47	WG2302475
4,6-Dinitro-2-methylphenol	U		0.174	0.770	2	06/12/2024 04:47	WG2302475
2,4-Dinitrophenol	U		0.180	0.770	2	06/12/2024 04:47	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0275	0.770	2	06/12/2024 04:47	WG2302475
4-Nitrophenol	U		0.0240	0.770	2	06/12/2024 04:47	WG2302475
Pentachlorophenol	U		0.0207	0.770	2	06/12/2024 04:47	WG2302475
Phenol	U		0.0310	0.770	2	06/12/2024 04:47	WG2302475
2,4,6-Trichlorophenol	U		0.0247	0.770	2	06/12/2024 04:47	WG2302475
(S) 2-Fluorophenol	*67.9*			*12.0-120*		*06/12/2024 04:47*	WG2302475
(S) Phenol-d5	*65.6*			*10.0-120*		*06/12/2024 04:47*	WG2302475
(S) Nitrobenzene-d5	*59.1*			*10.0-122*		*06/12/2024 04:47*	WG2302475
(S) 2-Fluorobiphenyl	*60.7*			*15.0-120*		*06/12/2024 04:47*	WG2302475
(S) 2,4,6-Tribromophenol	*60.1*			*10.0-127*		*06/12/2024 04:47*	WG2302475
(S) p-Terphenyl-d14	*64.2*			*10.0-120*		*06/12/2024 04:47*	WG2302475

Sample Narrative:

L1741921-26 WG2302475: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.138		0.0209	0.0464	1	06/05/2024 19:02	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.81		0.631	2.32	1	06/09/2024 08:47	WG2299945
Arsenic	4.88		0.601	2.32	1	06/09/2024 08:47	WG2299945
Barium	214		0.0988	0.580	1	06/09/2024 08:47	WG2299945
Beryllium	0.413		0.0365	0.232	1	06/09/2024 08:47	WG2299945
Cadmium	0.515	J	0.0546	0.580	1	06/09/2024 08:47	WG2299945
Chromium	79.0		0.154	1.16	1	06/09/2024 08:47	WG2299945
Cobalt	11.2		0.0940	1.16	1	06/09/2024 08:47	WG2299945
Copper	35.8		0.464	2.32	1	06/09/2024 08:47	WG2299945
Lead	109		0.241	0.580	1	06/09/2024 08:47	WG2299945
Molybdenum	0.892		0.126	0.580	1	06/09/2024 08:47	WG2299945
Nickel	57.5		0.153	2.32	1	06/09/2024 08:47	WG2299945
Selenium	U		0.886	2.32	1	06/09/2024 08:47	WG2299945
Silver	0.238	B J	0.147	1.16	1	06/09/2024 08:47	WG2299945
Thallium	U		0.457	2.32	1	06/09/2024 08:47	WG2299945
Vanadium	47.3		0.587	2.32	1	06/09/2024 08:47	WG2299945
Zinc	210		0.965	5.80	1	06/09/2024 08:47	WG2299945

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.12	3.39	25	06/05/2024 23:51	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/05/2024 23:51*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	5.86	J	1.70	9.28	2	06/11/2024 22:59	WG2302178
C22-C32 Hydrocarbons	47.0		3.08	9.28	2	06/11/2024 22:59	WG2302178
C32-C40 Hydrocarbons	33.5		3.08	9.28	2	06/11/2024 22:59	WG2302178
(S) o-Terphenyl	*56.8*			*18.0-148*		*06/11/2024 22:59*	WG2302178

Sample Narrative:

L1741921-27 WG2302178: Dilution due to matrix impact during extraction procedure

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0125	0.0772	2	06/12/2024 05:08	WG2302475
Acenaphthylene	U		0.0109	0.0772	2	06/12/2024 05:08	WG2302475
Anthracene	U		0.0138	0.0772	2	06/12/2024 05:08	WG2302475
Benzidine	U		0.145	3.87	2	06/12/2024 05:08	WG2302475
Benzo(a)anthracene	U		0.0136	0.0772	2	06/12/2024 05:08	WG2302475
Benzo(b)fluoranthene	U		0.0144	0.0772	2	06/12/2024 05:08	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.0137	0.0772	2	06/12/2024 05:08	WG2302475
Benzo(g,h,i)perylene	U		0.0141	0.0772	2	06/12/2024 05:08	WG2302475
Benzo(a)pyrene	U		0.0144	0.0772	2	06/12/2024 05:08	WG2302475
Bis(2-chlorethoxy)methane	U		0.0232	0.772	2	06/12/2024 05:08	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.0255	0.772	2	06/12/2024 05:08	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.0334	0.772	2	06/12/2024 05:08	WG2302475
4-Bromophenyl-phenylether	U		0.0271	0.772	2	06/12/2024 05:08	WG2302475
2-Chloronaphthalene	U		0.0136	0.0772	2	06/12/2024 05:08	WG2302475
4-Chlorophenyl-phenylether	U		0.0269	0.772	2	06/12/2024 05:08	WG2302475
Chrysene	U		0.0153	0.0772	2	06/12/2024 05:08	WG2302475
Dibenz(a,h)anthracene	U		0.0215	0.0772	2	06/12/2024 05:08	WG2302475
1,2-Dichlorobenzene	U		0.0228	0.772	2	06/12/2024 05:08	WG2302475
1,3-Dichlorobenzene	U		0.0234	0.772	2	06/12/2024 05:08	WG2302475
1,4-Dichlorobenzene	U		0.0230	0.772	2	06/12/2024 05:08	WG2302475
3,3-Dichlorobenzidine	U		0.0285	0.772	2	06/12/2024 05:08	WG2302475
2,4-Dinitrotoluene	U		0.0221	0.772	2	06/12/2024 05:08	WG2302475
2,6-Dinitrotoluene	U		0.0253	0.772	2	06/12/2024 05:08	WG2302475
Fluoranthene	U		0.0139	0.0772	2	06/12/2024 05:08	WG2302475
Fluorene	U		0.0125	0.0772	2	06/12/2024 05:08	WG2302475
Hexachlorobenzene	U		0.0274	0.772	2	06/12/2024 05:08	WG2302475
Hexachloro-1,3-butadiene	U		0.0260	0.772	2	06/12/2024 05:08	WG2302475
Hexachlorocyclopentadiene	U		0.0406	0.772	2	06/12/2024 05:08	WG2302475
Hexachloroethane	U		0.0304	0.772	2	06/12/2024 05:08	WG2302475
Indeno(1,2,3-cd)pyrene	U		0.0218	0.0772	2	06/12/2024 05:08	WG2302475
Isophorone	U		0.0237	0.772	2	06/12/2024 05:08	WG2302475
Naphthalene	U		0.0194	0.0772	2	06/12/2024 05:08	WG2302475
Nitrobenzene	U		0.0269	0.772	2	06/12/2024 05:08	WG2302475
n-Nitrosodimethylamine	U		0.115	0.772	2	06/12/2024 05:08	WG2302475
n-Nitrosodiphenylamine	U		0.0584	0.772	2	06/12/2024 05:08	WG2302475
n-Nitrosodi-n-propylamine	U		0.0257	0.772	2	06/12/2024 05:08	WG2302475
Phenanthrene	U		0.0153	0.0772	2	06/12/2024 05:08	WG2302475
Benzylbutyl phthalate	U		0.0241	0.772	2	06/12/2024 05:08	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.0979	0.772	2	06/12/2024 05:08	WG2302475
Di-n-butyl phthalate	U		0.0264	0.772	2	06/12/2024 05:08	WG2302475
Diethyl phthalate	U		0.0255	0.772	2	06/12/2024 05:08	WG2302475
Dimethyl phthalate	U		0.163	0.772	2	06/12/2024 05:08	WG2302475
Di-n-octyl phthalate	U		0.0522	0.772	2	06/12/2024 05:08	WG2302475
Pyrene	U		0.0151	0.0772	2	06/12/2024 05:08	WG2302475
1,2,4-Trichlorobenzene	U		0.0241	0.772	2	06/12/2024 05:08	WG2302475
4-Chloro-3-methylphenol	U		0.0250	0.772	2	06/12/2024 05:08	WG2302475
2-Chlorophenol	U		0.0255	0.772	2	06/12/2024 05:08	WG2302475
2,4-Dichlorophenol	U		0.0225	0.772	2	06/12/2024 05:08	WG2302475
2,4-Dimethylphenol	U		0.0202	0.772	2	06/12/2024 05:08	WG2302475
4,6-Dinitro-2-methylphenol	U		0.175	0.772	2	06/12/2024 05:08	WG2302475
2,4-Dinitrophenol	U		0.181	0.772	2	06/12/2024 05:08	WG2302475
2-Nitrophenol	U		0.0276	0.772	2	06/12/2024 05:08	WG2302475
4-Nitrophenol	U		0.0241	0.772	2	06/12/2024 05:08	WG2302475
Pentachlorophenol	U		0.0208	0.772	2	06/12/2024 05:08	WG2302475
Phenol	U		0.0311	0.772	2	06/12/2024 05:08	WG2302475
2,4,6-Trichlorophenol	U		0.0248	0.772	2	06/12/2024 05:08	WG2302475
(S) 2-Fluorophenol	*71.1*			*12.0-120*		*06/12/2024 05:08*	WG2302475
(S) Phenol-d5	*67.9*			*10.0-120*		*06/12/2024 05:08*	WG2302475
(S) Nitrobenzene-d5	*64.3*			*10.0-122*		*06/12/2024 05:08*	WG2302475
(S) 2-Fluorobiphenyl	*64.6*			*15.0-120*		*06/12/2024 05:08*	WG2302475
(S) 2,4,6-Tribromophenol	*64.6*			*10.0-127*		*06/12/2024 05:08*	WG2302475
(S) p-Terphenyl-d14	*66.5*			*10.0-120*		*06/12/2024 05:08*	WG2302475

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1741921-27 WG2302475: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.5		1	06/13/2024 07:36	WG2304167

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.49	B J	1.28	3.84	25	06/13/2024 11:29	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*06/13/2024 11:29*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0561	0.0768	1	06/13/2024 02:58	WG2304049
Acrylonitrile	U		0.00555	0.0192	1	06/13/2024 02:58	WG2304049
Benzene	U		0.000717	0.00154	1	06/13/2024 02:58	WG2304049
Bromobenzene	U		0.00138	0.0192	1	06/13/2024 02:58	WG2304049
Bromodichloromethane	U		0.00111	0.00384	1	06/13/2024 02:58	WG2304049
Bromoform	U		0.00180	0.0384	1	06/13/2024 02:58	WG2304049
Bromomethane	U		0.00303	0.0192	1	06/13/2024 02:58	WG2304049
n-Butylbenzene	U		0.00807	0.0192	1	06/13/2024 02:58	WG2304049
sec-Butylbenzene	U		0.00442	0.0192	1	06/13/2024 02:58	WG2304049
tert-Butylbenzene	U		0.00300	0.00768	1	06/13/2024 02:58	WG2304049
Carbon tetrachloride	U		0.00138	0.00768	1	06/13/2024 02:58	WG2304049
Chlorobenzene	U		0.000323	0.00384	1	06/13/2024 02:58	WG2304049
Chlorodibromomethane	U		0.000940	0.00384	1	06/13/2024 02:58	WG2304049
Chloroethane	U		0.00261	0.00768	1	06/13/2024 02:58	WG2304049
Chloroform	U		0.00158	0.00384	1	06/13/2024 02:58	WG2304049
Chloromethane	U		0.00668	0.0192	1	06/13/2024 02:58	WG2304049
2-Chlorotoluene	U		0.00133	0.00384	1	06/13/2024 02:58	WG2304049
4-Chlorotoluene	U		0.000691	0.00768	1	06/13/2024 02:58	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00599	0.0384	1	06/13/2024 02:58	WG2304049
1,2-Dibromoethane	U		0.000996	0.00384	1	06/13/2024 02:58	WG2304049
Dibromomethane	U		0.00115	0.00768	1	06/13/2024 02:58	WG2304049
1,2-Dichlorobenzene	U		0.000653	0.00768	1	06/13/2024 02:58	WG2304049
1,3-Dichlorobenzene	U		0.000922	0.00768	1	06/13/2024 02:58	WG2304049
1,4-Dichlorobenzene	U		0.00108	0.00768	1	06/13/2024 02:58	WG2304049
Dichlorodifluoromethane	U		0.00247	0.00768	1	06/13/2024 02:58	WG2304049
1,1-Dichloroethane	U		0.000754	0.00384	1	06/13/2024 02:58	WG2304049
1,2-Dichloroethane	U		0.000997	0.00384	1	06/13/2024 02:58	WG2304049
1,1-Dichloroethene	U		0.000931	0.00384	1	06/13/2024 02:58	WG2304049
cis-1,2-Dichloroethene	U		0.00113	0.00384	1	06/13/2024 02:58	WG2304049
trans-1,2-Dichloroethene	U		0.00160	0.00768	1	06/13/2024 02:58	WG2304049
1,2-Dichloropropane	U		0.00218	0.00768	1	06/13/2024 02:58	WG2304049
1,1-Dichloropropene	U		0.00124	0.00384	1	06/13/2024 02:58	WG2304049
1,3-Dichloropropane	U		0.000770	0.00768	1	06/13/2024 02:58	WG2304049
cis-1,3-Dichloropropene	U		0.00116	0.00384	1	06/13/2024 02:58	WG2304049
trans-1,3-Dichloropropene	U		0.00175	0.00768	1	06/13/2024 02:58	WG2304049
2,2-Dichloropropane	U		0.00212	0.00384	1	06/13/2024 02:58	WG2304049
Di-isopropyl ether	U		0.000630	0.00154	1	06/13/2024 02:58	WG2304049
Ethylbenzene	U		0.00113	0.00384	1	06/13/2024 02:58	WG2304049
Hexachloro-1,3-butadiene	U		0.00922	0.0384	1	06/13/2024 02:58	WG2304049
Isopropylbenzene	U		0.000653	0.00384	1	06/13/2024 02:58	WG2304049
p-Isopropyltoluene	U		0.00392	0.00768	1	06/13/2024 02:58	WG2304049
2-Butanone (MEK)	U		0.0976	0.154	1	06/13/2024 02:58	WG2304049
Methylene Chloride	U		0.0102	0.0384	1	06/13/2024 02:58	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00350	0.0384	1	06/13/2024 02:58	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000538	0.00154	1	06/13/2024 02:58	WG2304049
Naphthalene	U	J3	0.00750	0.0192	1	06/13/2024 02:58	WG2304049
n-Propylbenzene	U		0.00146	0.00768	1	06/13/2024 02:58	WG2304049
Styrene	U		0.000352	0.0192	1	06/13/2024 02:58	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00146	0.00384	1	06/13/2024 02:58	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00107	0.00384	1	06/13/2024 02:58	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00384	1	06/13/2024 02:58	WG2304049
Tetrachloroethene	U		0.00138	0.00384	1	06/13/2024 02:58	WG2304049
Toluene	U		0.00200	0.00768	1	06/13/2024 02:58	WG2304049
1,2,3-Trichlorobenzene	U		0.0113	0.0192	1	06/13/2024 02:58	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00676	0.0192	1	06/13/2024 02:58	WG2304049
1,1,1-Trichloroethane	U		0.00142	0.00384	1	06/13/2024 02:58	WG2304049
1,1,2-Trichloroethane	U		0.000917	0.00384	1	06/13/2024 02:58	WG2304049
Trichloroethene	U		0.000897	0.00154	1	06/13/2024 02:58	WG2304049
Trichlorofluoromethane	U		0.00127	0.00384	1	06/13/2024 02:58	WG2304049
1,2,3-Trichloropropane	U		0.00249	0.0192	1	06/13/2024 02:58	WG2304049
1,2,4-Trimethylbenzene	U		0.00243	0.00768	1	06/13/2024 02:58	WG2304049
1,2,3-Trimethylbenzene	U		0.00243	0.00768	1	06/13/2024 02:58	WG2304049
1,3,5-Trimethylbenzene	U		0.00307	0.00768	1	06/13/2024 02:58	WG2304049
Vinyl chloride	U		0.00178	0.00384	1	06/13/2024 02:58	WG2304049
Xylenes, Total	0.00217	J	0.00135	0.00999	1	06/13/2024 02:58	WG2304049
(S) Toluene-d8	*101*			*75.0-131*		*06/13/2024 02:58*	WG2304049
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/13/2024 02:58*	WG2304049
(S) 1,2-Dichloroethane-d4	*83.4*			*70.0-130*		*06/13/2024 02:58*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.910	4.97	1	06/14/2024 04:11	WG2304127
C22-C32 Hydrocarbons	1.68	J	1.65	4.97	1	06/14/2024 04:11	WG2304127
C32-C40 Hydrocarbons	U		1.65	4.97	1	06/14/2024 04:11	WG2304127
(S) o-Terphenyl	*70.6*			*18.0-148*		*06/14/2024 04:11*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0669	0.414	10	06/14/2024 11:00	WG2304128
Acenaphthylene	U		0.0582	0.414	10	06/14/2024 11:00	WG2304128
Anthracene	U		0.0736	0.414	10	06/14/2024 11:00	WG2304128
Benzidine	U		0.777	20.7	10	06/14/2024 11:00	WG2304128
Benzo(a)anthracene	U		0.0729	0.414	10	06/14/2024 11:00	WG2304128
Benzo(b)fluoranthene	U		0.0771	0.414	10	06/14/2024 11:00	WG2304128
Benzo(k)fluoranthene	U		0.0735	0.414	10	06/14/2024 11:00	WG2304128
Benzo(g,h,i)perylene	U		0.0756	0.414	10	06/14/2024 11:00	WG2304128
Benzo(a)pyrene	U		0.0769	0.414	10	06/14/2024 11:00	WG2304128
Bis(2-chlorethoxy)methane	U		0.124	4.14	10	06/14/2024 11:00	WG2304128
Bis(2-chloroethyl)ether	U		0.137	4.14	10	06/14/2024 11:00	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.179	4.14	10	06/14/2024 11:00	WG2304128
4-Bromophenyl-phenylether	U		0.145	4.14	10	06/14/2024 11:00	WG2304128
2-Chloronaphthalene	U		0.0727	0.414	10	06/14/2024 11:00	WG2304128
4-Chlorophenyl-phenylether	U		0.144	4.14	10	06/14/2024 11:00	WG2304128
Chrysene	U		0.0822	0.414	10	06/14/2024 11:00	WG2304128
Dibenz(a,h)anthracene	U		0.115	0.414	10	06/14/2024 11:00	WG2304128
1,2-Dichlorobenzene	U		0.123	4.14	10	06/14/2024 11:00	WG2304128
1,3-Dichlorobenzene	U		0.125	4.14	10	06/14/2024 11:00	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.123	4.14	10	06/14/2024 11:00	WG2304128
3,3-Dichlorobenzidine	U		0.153	4.14	10	06/14/2024 11:00	WG2304128
2,4-Dinitrotoluene	U		0.119	4.14	10	06/14/2024 11:00	WG2304128
2,6-Dinitrotoluene	U		0.135	4.14	10	06/14/2024 11:00	WG2304128
Fluoranthene	U		0.0746	0.414	10	06/14/2024 11:00	WG2304128
Fluorene	U		0.0673	0.414	10	06/14/2024 11:00	WG2304128
Hexachlorobenzene	U		0.147	4.14	10	06/14/2024 11:00	WG2304128
Hexachloro-1,3-butadiene	U		0.139	4.14	10	06/14/2024 11:00	WG2304128
Hexachlorocyclopentadiene	U		0.217	4.14	10	06/14/2024 11:00	WG2304128
Hexachloroethane	U		0.163	4.14	10	06/14/2024 11:00	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.117	0.414	10	06/14/2024 11:00	WG2304128
Isophorone	U		0.127	4.14	10	06/14/2024 11:00	WG2304128
Naphthalene	U		0.104	0.414	10	06/14/2024 11:00	WG2304128
Nitrobenzene	U		0.144	4.14	10	06/14/2024 11:00	WG2304128
n-Nitrosodimethylamine	U		0.614	4.14	10	06/14/2024 11:00	WG2304128
n-Nitrosodiphenylamine	U		0.313	4.14	10	06/14/2024 11:00	WG2304128
n-Nitrosodi-n-propylamine	U		0.138	4.14	10	06/14/2024 11:00	WG2304128
Phenanthrene	U		0.0821	0.414	10	06/14/2024 11:00	WG2304128
Benzylbutyl phthalate	U		0.129	4.14	10	06/14/2024 11:00	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.524	4.14	10	06/14/2024 11:00	WG2304128
Di-n-butyl phthalate	U		0.142	4.14	10	06/14/2024 11:00	WG2304128
Diethyl phthalate	U		0.137	4.14	10	06/14/2024 11:00	WG2304128
Dimethyl phthalate	U		0.877	4.14	10	06/14/2024 11:00	WG2304128
Di-n-octyl phthalate	U		0.279	4.14	10	06/14/2024 11:00	WG2304128
Pyrene	U		0.0805	0.414	10	06/14/2024 11:00	WG2304128
1,2,4-Trichlorobenzene	U		0.129	4.14	10	06/14/2024 11:00	WG2304128
4-Chloro-3-methylphenol	U		0.134	4.14	10	06/14/2024 11:00	WG2304128
2-Chlorophenol	U		0.137	4.14	10	06/14/2024 11:00	WG2304128
2,4-Dichlorophenol	U		0.120	4.14	10	06/14/2024 11:00	WG2304128
2,4-Dimethylphenol	U		0.108	4.14	10	06/14/2024 11:00	WG2304128
4,6-Dinitro-2-methylphenol	U		0.938	4.14	10	06/14/2024 11:00	WG2304128
2,4-Dinitrophenol	U		0.967	4.14	10	06/14/2024 11:00	WG2304128
2-Nitrophenol	U		0.148	4.14	10	06/14/2024 11:00	WG2304128
4-Nitrophenol	U		0.129	4.14	10	06/14/2024 11:00	WG2304128
Pentachlorophenol	U		0.111	4.14	10	06/14/2024 11:00	WG2304128
Phenol	U		0.166	4.14	10	06/14/2024 11:00	WG2304128
2,4,6-Trichlorophenol	U		0.133	4.14	10	06/14/2024 11:00	WG2304128
(S) 2-Fluorophenol	*63.9*			*12.0-120*		*06/14/2024 11:00*	WG2304128
(S) Phenol-d5	*61.6*			*10.0-120*		*06/14/2024 11:00*	WG2304128
(S) Nitrobenzene-d5	*52.3*			*10.0-122*		*06/14/2024 11:00*	WG2304128
(S) 2-Fluorobiphenyl	*65.3*			*15.0-120*		*06/14/2024 11:00*	WG2304128
(S) 2,4,6-Tribromophenol	*70.9*			*10.0-127*		*06/14/2024 11:00*	WG2304128
(S) p-Terphenyl-d14	*72.4*			*10.0-120*		*06/14/2024 11:00*	WG2304128

Sample Narrative:

L1741921-28 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	06/03/2024 15:57	WG2297634

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.48	J	1.27	3.82	25	06/06/2024 00:13	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/06/2024 00:13*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0557	0.0764	1	06/11/2024 21:22	WG2303115
Acrylonitrile	U		0.00551	0.0191	1	06/11/2024 21:22	WG2303115
Benzene	U		0.000713	0.00153	1	06/11/2024 21:22	WG2303115
Bromobenzene	U		0.00137	0.0191	1	06/11/2024 21:22	WG2303115
Bromodichloromethane	U		0.00111	0.00382	1	06/11/2024 21:22	WG2303115
Bromoform	U		0.00179	0.0382	1	06/11/2024 21:22	WG2303115
Bromomethane	U		0.00301	0.0191	1	06/11/2024 21:22	WG2303115
n-Butylbenzene	U		0.00802	0.0191	1	06/11/2024 21:22	WG2303115
sec-Butylbenzene	U		0.00440	0.0191	1	06/11/2024 21:22	WG2303115
tert-Butylbenzene	U		0.00298	0.00764	1	06/11/2024 21:22	WG2303115
Carbon tetrachloride	U		0.00137	0.00764	1	06/11/2024 21:22	WG2303115
Chlorobenzene	U		0.000321	0.00382	1	06/11/2024 21:22	WG2303115
Chlorodibromomethane	U		0.000935	0.00382	1	06/11/2024 21:22	WG2303115
Chloroethane	U		0.00260	0.00764	1	06/11/2024 21:22	WG2303115
Chloroform	U		0.00157	0.00382	1	06/11/2024 21:22	WG2303115
Chloromethane	U		0.00664	0.0191	1	06/11/2024 21:22	WG2303115
2-Chlorotoluene	U		0.00132	0.00382	1	06/11/2024 21:22	WG2303115
4-Chlorotoluene	U		0.000687	0.00764	1	06/11/2024 21:22	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0382	1	06/11/2024 21:22	WG2303115
1,2-Dibromoethane	U		0.000990	0.00382	1	06/11/2024 21:22	WG2303115
Dibromomethane	U		0.00115	0.00764	1	06/11/2024 21:22	WG2303115
1,2-Dichlorobenzene	U		0.000649	0.00764	1	06/11/2024 21:22	WG2303115
1,3-Dichlorobenzene	U		0.000916	0.00764	1	06/11/2024 21:22	WG2303115
1,4-Dichlorobenzene	U		0.00107	0.00764	1	06/11/2024 21:22	WG2303115
Dichlorodifluoromethane	U		0.00246	0.00764	1	06/11/2024 21:22	WG2303115
1,1-Dichloroethane	U		0.000750	0.00382	1	06/11/2024 21:22	WG2303115
1,2-Dichloroethane	U		0.000991	0.00382	1	06/11/2024 21:22	WG2303115
1,1-Dichloroethene	U		0.000925	0.00382	1	06/11/2024 21:22	WG2303115
cis-1,2-Dichloroethene	U		0.00112	0.00382	1	06/11/2024 21:22	WG2303115
trans-1,2-Dichloroethene	U		0.00159	0.00764	1	06/11/2024 21:22	WG2303115
1,2-Dichloropropane	U		0.00217	0.00764	1	06/11/2024 21:22	WG2303115
1,1-Dichloropropene	U		0.00124	0.00382	1	06/11/2024 21:22	WG2303115
1,3-Dichloropropane	U		0.000765	0.00764	1	06/11/2024 21:22	WG2303115
cis-1,3-Dichloropropene	U		0.00116	0.00382	1	06/11/2024 21:22	WG2303115
trans-1,3-Dichloropropene	U		0.00174	0.00764	1	06/11/2024 21:22	WG2303115
2,2-Dichloropropane	U		0.00211	0.00382	1	06/11/2024 21:22	WG2303115
Di-isopropyl ether	U		0.000626	0.00153	1	06/11/2024 21:22	WG2303115
Ethylbenzene	U		0.00113	0.00382	1	06/11/2024 21:22	WG2303115
Hexachloro-1,3-butadiene	U		0.00916	0.0382	1	06/11/2024 21:22	WG2303115
Isopropylbenzene	U		0.000649	0.00382	1	06/11/2024 21:22	WG2303115
p-Isopropyltoluene	U		0.00389	0.00764	1	06/11/2024 21:22	WG2303115
2-Butanone (MEK)	U	J3	0.0970	0.153	1	06/11/2024 21:22	WG2303115
Methylene Chloride	U		0.0101	0.0382	1	06/11/2024 21:22	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00348	0.0382	1	06/11/2024 21:22	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000534	0.00153	1	06/11/2024 21:22	WG2303115
Naphthalene	U		0.00745	0.0191	1	06/11/2024 21:22	WG2303115
n-Propylbenzene	U		0.00145	0.00764	1	06/11/2024 21:22	WG2303115
Styrene	U		0.000350	0.0191	1	06/11/2024 21:22	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00145	0.00382	1	06/11/2024 21:22	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00106	0.00382	1	06/11/2024 21:22	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00115	0.00382	1	06/11/2024 21:22	WG2303115
Tetrachloroethene	U		0.00137	0.00382	1	06/11/2024 21:22	WG2303115
Toluene	U		0.00199	0.00764	1	06/11/2024 21:22	WG2303115
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	06/11/2024 21:22	WG2303115
1,2,4-Trichlorobenzene	U		0.00672	0.0191	1	06/11/2024 21:22	WG2303115
1,1,1-Trichloroethane	U		0.00141	0.00382	1	06/11/2024 21:22	WG2303115
1,1,2-Trichloroethane	U		0.000912	0.00382	1	06/11/2024 21:22	WG2303115
Trichloroethene	U		0.000892	0.00153	1	06/11/2024 21:22	WG2303115
Trichlorofluoromethane	U		0.00126	0.00382	1	06/11/2024 21:22	WG2303115
1,2,3-Trichloropropane	U	J4	0.00247	0.0191	1	06/11/2024 21:22	WG2303115
1,2,4-Trimethylbenzene	U		0.00241	0.00764	1	06/11/2024 21:22	WG2303115
1,2,3-Trimethylbenzene	U		0.00241	0.00764	1	06/11/2024 21:22	WG2303115
1,3,5-Trimethylbenzene	U		0.00305	0.00764	1	06/11/2024 21:22	WG2303115
Vinyl chloride	U		0.00177	0.00382	1	06/11/2024 21:22	WG2303115
Xylenes, Total	U		0.00134	0.00993	1	06/11/2024 21:22	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/11/2024 21:22*	WG2303115
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/11/2024 21:22*	WG2303115
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/11/2024 21:22*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	0.960	J	0.912	4.98	1	06/11/2024 14:55	WG2302178
C22-C32 Hydrocarbons	2.25	J	1.65	4.98	1	06/11/2024 14:55	WG2302178
C32-C40 Hydrocarbons	2.10	J	1.65	4.98	1	06/11/2024 14:55	WG2302178
(S) o-Terphenyl	*49.1*			*18.0-148*		*06/11/2024 14:55*	WG2302178

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/06/2024 11:54	WG2299510
Acrolein	U		2.54	50.0	1	06/06/2024 11:54	WG2299510
Acrylonitrile	U		0.671	10.0	1	06/06/2024 11:54	WG2299510
Benzene	U		0.0941	1.00	1	06/06/2024 11:54	WG2299510
Bromobenzene	U		0.118	1.00	1	06/06/2024 11:54	WG2299510
Bromodichloromethane	U		0.136	1.00	1	06/06/2024 11:54	WG2299510
Bromoform	U		0.129	1.00	1	06/06/2024 11:54	WG2299510
Bromomethane	U		0.605	5.00	1	06/06/2024 11:54	WG2299510
n-Butylbenzene	U		0.157	1.00	1	06/06/2024 11:54	WG2299510
sec-Butylbenzene	U		0.125	1.00	1	06/06/2024 11:54	WG2299510
tert-Butylbenzene	U		0.127	1.00	1	06/06/2024 11:54	WG2299510
Carbon tetrachloride	U		0.128	1.00	1	06/06/2024 11:54	WG2299510
Chlorobenzene	U		0.116	1.00	1	06/06/2024 11:54	WG2299510
Chlorodibromomethane	U	J4	0.140	1.00	1	06/06/2024 11:54	WG2299510
Chloroethane	U		0.192	5.00	1	06/06/2024 11:54	WG2299510
Chloroform	U		0.111	5.00	1	06/06/2024 11:54	WG2299510
Chloromethane	U		0.960	2.50	1	06/06/2024 11:54	WG2299510
2-Chlorotoluene	U		0.106	1.00	1	06/06/2024 11:54	WG2299510
4-Chlorotoluene	U		0.114	1.00	1	06/06/2024 11:54	WG2299510
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/06/2024 11:54	WG2299510
1,2-Dibromoethane	U		0.126	1.00	1	06/06/2024 11:54	WG2299510
Dibromomethane	U		0.122	1.00	1	06/06/2024 11:54	WG2299510
1,2-Dichlorobenzene	U		0.107	1.00	1	06/06/2024 11:54	WG2299510
1,3-Dichlorobenzene	U		0.110	1.00	1	06/06/2024 11:54	WG2299510
1,4-Dichlorobenzene	U		0.120	1.00	1	06/06/2024 11:54	WG2299510
Dichlorodifluoromethane	U		0.374	5.00	1	06/06/2024 11:54	WG2299510
1,1-Dichloroethane	U		0.100	1.00	1	06/06/2024 11:54	WG2299510
1,2-Dichloroethane	U		0.0819	1.00	1	06/06/2024 11:54	WG2299510
1,1-Dichloroethene	U		0.188	1.00	1	06/06/2024 11:54	WG2299510
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/06/2024 11:54	WG2299510
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/06/2024 11:54	WG2299510
1,2-Dichloropropane	U		0.149	1.00	1	06/06/2024 11:54	WG2299510
1,1-Dichloropropene	U		0.142	1.00	1	06/06/2024 11:54	WG2299510
1,3-Dichloropropane	U		0.110	1.00	1	06/06/2024 11:54	WG2299510
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/06/2024 11:54	WG2299510
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/06/2024 11:54	WG2299510
2,2-Dichloropropane	U		0.161	1.00	1	06/06/2024 11:54	WG2299510
Di-isopropyl ether	U		0.105	1.00	1	06/06/2024 11:54	WG2299510
Ethylbenzene	U		0.137	1.00	1	06/06/2024 11:54	WG2299510
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/06/2024 11:54	WG2299510
Isopropylbenzene	U		0.105	1.00	1	06/06/2024 11:54	WG2299510
p-Isopropyltoluene	U		0.120	1.00	1	06/06/2024 11:54	WG2299510
2-Butanone (MEK)	U		1.19	10.0	1	06/06/2024 11:54	WG2299510
Methylene Chloride	U		0.430	5.00	1	06/06/2024 11:54	WG2299510
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/06/2024 11:54	WG2299510
Methyl tert-butyl ether	U		0.101	1.00	1	06/06/2024 11:54	WG2299510
Naphthalene	U		1.00	5.00	1	06/06/2024 11:54	WG2299510
n-Propylbenzene	U		0.0993	1.00	1	06/06/2024 11:54	WG2299510
Styrene	U		0.118	1.00	1	06/06/2024 11:54	WG2299510
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/06/2024 11:54	WG2299510
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/06/2024 11:54	WG2299510
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/06/2024 11:54	WG2299510
Tetrachloroethene	U		0.300	1.00	1	06/06/2024 11:54	WG2299510
Toluene	U		0.278	1.00	1	06/06/2024 11:54	WG2299510
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/06/2024 11:54	WG2299510
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/06/2024 11:54	WG2299510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.149	1.00	1	06/06/2024 11:54	WG2299510
1,1,2-Trichloroethane	U		0.158	1.00	1	06/06/2024 11:54	WG2299510
Trichloroethene	U		0.190	1.00	1	06/06/2024 11:54	WG2299510
Trichlorofluoromethane	U		0.160	5.00	1	06/06/2024 11:54	WG2299510
1,2,3-Trichloropropane	U		0.237	2.50	1	06/06/2024 11:54	WG2299510
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/06/2024 11:54	WG2299510
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/06/2024 11:54	WG2299510
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/06/2024 11:54	WG2299510
Vinyl chloride	U		0.234	1.00	1	06/06/2024 11:54	WG2299510
Xylenes, Total	U		0.174	3.00	1	06/06/2024 11:54	WG2299510
(S) Toluene-d8	*102*			*80.0-120*		*06/06/2024 11:54*	WG2299510
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*06/06/2024 11:54*	WG2299510
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/06/2024 11:54*	WG2299510

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.206		0.0210	0.0466	1	06/05/2024 19:04	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	11.2		0.633	2.33	1	06/09/2024 08:49	WG2299945
Arsenic	1.40	J	0.603	2.33	1	06/09/2024 08:49	WG2299945
Barium	219		0.0992	0.582	1	06/09/2024 08:49	WG2299945
Beryllium	0.337		0.0367	0.233	1	06/09/2024 08:49	WG2299945
Cadmium	5.90		0.0548	0.582	1	06/09/2024 08:49	WG2299945
Chromium	43.4		0.155	1.16	1	06/09/2024 08:49	WG2299945
Cobalt	15.3		0.0944	1.16	1	06/09/2024 08:49	WG2299945
Copper	78.8		0.466	2.33	1	06/09/2024 08:49	WG2299945
Lead	743		0.242	0.582	1	06/09/2024 08:49	WG2299945
Molybdenum	12.6		0.127	0.582	1	06/09/2024 08:49	WG2299945
Nickel	61.1		0.154	2.33	1	06/09/2024 08:49	WG2299945
Selenium	U		0.889	2.33	1	06/09/2024 08:49	WG2299945
Silver	1.37	B	0.148	1.16	1	06/09/2024 08:49	WG2299945
Thallium	U		0.459	2.33	1	06/09/2024 08:49	WG2299945
Vanadium	62.0		0.589	2.33	1	06/09/2024 08:49	WG2299945
Zinc	339		0.969	5.82	1	06/09/2024 08:49	WG2299945

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0275	0.0792	2	06/19/2024 09:11	WG2304583
PCB 1221	U		0.0275	0.0792	2	06/19/2024 09:11	WG2304583
PCB 1232	U		0.0275	0.0792	2	06/19/2024 09:11	WG2304583
PCB 1242	U		0.0275	0.0792	2	06/19/2024 09:11	WG2304583
PCB 1248	U		0.0172	0.0396	2	06/19/2024 09:11	WG2304583
PCB 1254	U		0.0172	0.0396	2	06/19/2024 09:11	WG2304583
PCB 1260	2.51		0.0859	0.198	10	06/21/2024 02:20	WG2304583
(S) Decachlorobiphenyl	*77.1*			*10.0-135*		*06/19/2024 09:11*	WG2304583
(S) Decachlorobiphenyl	*62.0*			*10.0-135*		*06/21/2024 02:20*	WG2304583
(S) Tetrachloro-m-xylene	*62.5*			*10.0-139*		*06/21/2024 02:20*	WG2304583
(S) Tetrachloro-m-xylene	*71.6*			*10.0-139*		*06/19/2024 09:11*	WG2304583

Sample Narrative:

L1741921-31 WG2304583: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.126	0.775	20	06/12/2024 05:48	WG2302475
Acenaphthylene	0.119	J	0.109	0.775	20	06/12/2024 05:48	WG2302475
Anthracene	U		0.139	0.775	20	06/12/2024 05:48	WG2302475
Benzidine	U		1.46	38.9	20	06/12/2024 05:48	WG2302475
Benzo(a)anthracene	0.232	J	0.136	0.775	20	06/12/2024 05:48	WG2302475
Benzo(b)fluoranthene	0.608	J	0.144	0.775	20	06/12/2024 05:48	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.137	0.775	20	06/12/2024 05:48	WG2302475
Benzo(g,h,i)perylene	0.397	J	0.142	0.775	20	06/12/2024 05:48	WG2302475
Benzo(a)pyrene	0.469	J	0.144	0.775	20	06/12/2024 05:48	WG2302475
Bis(2-chlorethoxy)methane	U		0.233	7.75	20	06/12/2024 05:48	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.256	7.75	20	06/12/2024 05:48	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.335	7.75	20	06/12/2024 05:48	WG2302475
4-Bromophenyl-phenylether	U		0.272	7.75	20	06/12/2024 05:48	WG2302475
2-Chloronaphthalene	U		0.136	0.775	20	06/12/2024 05:48	WG2302475
4-Chlorophenyl-phenylether	U		0.270	7.75	20	06/12/2024 05:48	WG2302475
Chrysene	0.244	J	0.154	0.775	20	06/12/2024 05:48	WG2302475
Dibenz(a,h)anthracene	U		0.215	0.775	20	06/12/2024 05:48	WG2302475
1,2-Dichlorobenzene	U		0.229	7.75	20	06/12/2024 05:48	WG2302475
1,3-Dichlorobenzene	U		0.235	7.75	20	06/12/2024 05:48	WG2302475
1,4-Dichlorobenzene	U		0.230	7.75	20	06/12/2024 05:48	WG2302475
3,3-Dichlorobenzidine	U		0.286	7.75	20	06/12/2024 05:48	WG2302475
2,4-Dinitrotoluene	U		0.222	7.75	20	06/12/2024 05:48	WG2302475
2,6-Dinitrotoluene	U		0.254	7.75	20	06/12/2024 05:48	WG2302475
Fluoranthene	0.400	J	0.140	0.775	20	06/12/2024 05:48	WG2302475
Fluorene	U		0.126	0.775	20	06/12/2024 05:48	WG2302475
Hexachlorobenzene	U		0.275	7.75	20	06/12/2024 05:48	WG2302475
Hexachloro-1,3-butadiene	U		0.261	7.75	20	06/12/2024 05:48	WG2302475
Hexachlorocyclopentadiene	U		0.407	7.75	20	06/12/2024 05:48	WG2302475
Hexachloroethane	U		0.305	7.75	20	06/12/2024 05:48	WG2302475
Indeno(1,2,3-cd)pyrene	0.441	J	0.219	0.775	20	06/12/2024 05:48	WG2302475
Isophorone	U		0.237	7.75	20	06/12/2024 05:48	WG2302475
Naphthalene	U		0.194	0.775	20	06/12/2024 05:48	WG2302475
Nitrobenzene	U		0.270	7.75	20	06/12/2024 05:48	WG2302475
n-Nitrosodimethylamine	U		1.15	7.75	20	06/12/2024 05:48	WG2302475
n-Nitrosodiphenylamine	U		0.587	7.75	20	06/12/2024 05:48	WG2302475
n-Nitrosodi-n-propylamine	U		0.258	7.75	20	06/12/2024 05:48	WG2302475
Phenanthrene	U		0.154	0.775	20	06/12/2024 05:48	WG2302475
Benzylbutyl phthalate	U		0.242	7.75	20	06/12/2024 05:48	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.983	7.75	20	06/12/2024 05:48	WG2302475
Di-n-butyl phthalate	U		0.265	7.75	20	06/12/2024 05:48	WG2302475
Diethyl phthalate	U		0.256	7.75	20	06/12/2024 05:48	WG2302475
Dimethyl phthalate	U		1.64	7.75	20	06/12/2024 05:48	WG2302475
Di-n-octyl phthalate	U		0.524	7.75	20	06/12/2024 05:48	WG2302475
Pyrene	0.678	J	0.151	0.775	20	06/12/2024 05:48	WG2302475
1,2,4-Trichlorobenzene	U		0.242	7.75	20	06/12/2024 05:48	WG2302475
4-Chloro-3-methylphenol	U		0.251	7.75	20	06/12/2024 05:48	WG2302475
2-Chlorophenol	U		0.256	7.75	20	06/12/2024 05:48	WG2302475
2,4-Dichlorophenol	U		0.226	7.75	20	06/12/2024 05:48	WG2302475
2,4-Dimethylphenol	U		0.203	7.75	20	06/12/2024 05:48	WG2302475
4,6-Dinitro-2-methylphenol	U		1.76	7.75	20	06/12/2024 05:48	WG2302475
2,4-Dinitrophenol	U		1.82	7.75	20	06/12/2024 05:48	WG2302475
2-Nitrophenol	U		0.277	7.75	20	06/12/2024 05:48	WG2302475
4-Nitrophenol	U		0.242	7.75	20	06/12/2024 05:48	WG2302475
Pentachlorophenol	U		0.208	7.75	20	06/12/2024 05:48	WG2302475
Phenol	U		0.312	7.75	20	06/12/2024 05:48	WG2302475
2,4,6-Trichlorophenol	U		0.249	7.75	20	06/12/2024 05:48	WG2302475
(S) 2-Fluorophenol	*73.8*	J7		*12.0-120*		*06/12/2024 05:48*	WG2302475
(S) Phenol-d5	*83.3*	J7		*10.0-120*		*06/12/2024 05:48*	WG2302475
(S) Nitrobenzene-d5	*86.9*	J7		*10.0-122*		*06/12/2024 05:48*	WG2302475
(S) 2-Fluorobiphenyl	*72.0*	J7		*15.0-120*		*06/12/2024 05:48*	WG2302475
(S) 2,4,6-Tribromophenol	*60.7*	J7		*10.0-127*		*06/12/2024 05:48*	WG2302475
(S) p-Terphenyl-d14	*80.4*	J7		*10.0-120*		*06/12/2024 05:48*	WG2302475

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1741921-31 WG2302475: Dilution due to matrix impact during extract concentration procedure

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0501		0.0214	0.0475	1	06/05/2024 19:07	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	16.7		0.646	2.37	1	06/09/2024 08:51	WG2299945
Arsenic	2.94		0.615	2.37	1	06/09/2024 08:51	WG2299945
Barium	243		0.101	0.593	1	06/09/2024 08:51	WG2299945
Beryllium	0.587		0.0374	0.237	1	06/09/2024 08:51	WG2299945
Cadmium	7.58		0.0559	0.593	1	06/09/2024 08:51	WG2299945
Chromium	112		0.158	1.19	1	06/09/2024 08:51	WG2299945
Cobalt	9.20		0.0962	1.19	1	06/09/2024 08:51	WG2299945
Copper	204		0.475	2.37	1	06/09/2024 08:51	WG2299945
Lead	1620		0.247	0.593	1	06/09/2024 08:51	WG2299945
Molybdenum	19.2		0.129	0.593	1	06/09/2024 08:51	WG2299945
Nickel	77.1		0.157	2.37	1	06/09/2024 08:51	WG2299945
Selenium	2.81		0.907	2.37	1	06/09/2024 08:51	WG2299945
Silver	2.47	B	0.151	1.19	1	06/09/2024 08:51	WG2299945
Thallium	U		0.468	2.37	1	06/09/2024 08:51	WG2299945
Vanadium	40.1		0.601	2.37	1	06/09/2024 08:51	WG2299945
Zinc	1240		0.987	5.93	1	06/09/2024 08:51	WG2299945

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0515	0.0706	1	06/11/2024 21:41	WG2303115
Acrylonitrile	U		0.00509	0.0176	1	06/11/2024 21:41	WG2303115
Benzene	0.0306		0.000659	0.00141	1	06/11/2024 21:41	WG2303115
Bromobenzene	U		0.00127	0.0176	1	06/11/2024 21:41	WG2303115
Bromodichloromethane	U		0.00102	0.00353	1	06/11/2024 21:41	WG2303115
Bromoform	U		0.00165	0.0353	1	06/11/2024 21:41	WG2303115
Bromomethane	U		0.00278	0.0176	1	06/11/2024 21:41	WG2303115
n-Butylbenzene	0.0165	J	0.00741	0.0176	1	06/11/2024 21:41	WG2303115
sec-Butylbenzene	0.00559	J	0.00406	0.0176	1	06/11/2024 21:41	WG2303115
tert-Butylbenzene	U		0.00275	0.00706	1	06/11/2024 21:41	WG2303115
Carbon tetrachloride	U		0.00127	0.00706	1	06/11/2024 21:41	WG2303115
Chlorobenzene	0.00117	J	0.000296	0.00353	1	06/11/2024 21:41	WG2303115
Chlorodibromomethane	U		0.000864	0.00353	1	06/11/2024 21:41	WG2303115
Chloroethane	U		0.00240	0.00706	1	06/11/2024 21:41	WG2303115
Chloroform	U		0.00145	0.00353	1	06/11/2024 21:41	WG2303115
Chloromethane	U		0.00614	0.0176	1	06/11/2024 21:41	WG2303115
2-Chlorotoluene	U		0.00122	0.00353	1	06/11/2024 21:41	WG2303115
4-Chlorotoluene	U		0.000635	0.00706	1	06/11/2024 21:41	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00550	0.0353	1	06/11/2024 21:41	WG2303115
1,2-Dibromoethane	U		0.000914	0.00353	1	06/11/2024 21:41	WG2303115
Dibromomethane	U		0.00106	0.00706	1	06/11/2024 21:41	WG2303115
1,2-Dichlorobenzene	0.0193		0.000600	0.00706	1	06/11/2024 21:41	WG2303115
1,3-Dichlorobenzene	0.00111	J	0.000847	0.00706	1	06/11/2024 21:41	WG2303115
1,4-Dichlorobenzene	0.00433	J	0.000988	0.00706	1	06/11/2024 21:41	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00227	0.00706	1	06/11/2024 21:41	WG2303115
1,1-Dichloroethane	0.00905		0.000693	0.00353	1	06/11/2024 21:41	WG2303115
1,2-Dichloroethane	U		0.000916	0.00353	1	06/11/2024 21:41	WG2303115
1,1-Dichloroethene	U		0.000855	0.00353	1	06/11/2024 21:41	WG2303115
cis-1,2-Dichloroethene	0.00490		0.00104	0.00353	1	06/11/2024 21:41	WG2303115
trans-1,2-Dichloroethene	U		0.00147	0.00706	1	06/11/2024 21:41	WG2303115
1,2-Dichloropropane	U		0.00200	0.00706	1	06/11/2024 21:41	WG2303115
1,1-Dichloropropene	U		0.00114	0.00353	1	06/11/2024 21:41	WG2303115
1,3-Dichloropropane	U		0.000707	0.00706	1	06/11/2024 21:41	WG2303115
cis-1,3-Dichloropropene	U		0.00107	0.00353	1	06/11/2024 21:41	WG2303115
trans-1,3-Dichloropropene	U		0.00161	0.00706	1	06/11/2024 21:41	WG2303115
2,2-Dichloropropane	U		0.00195	0.00353	1	06/11/2024 21:41	WG2303115
Di-isopropyl ether	U		0.000579	0.00141	1	06/11/2024 21:41	WG2303115
Ethylbenzene	0.0203		0.00104	0.00353	1	06/11/2024 21:41	WG2303115
Hexachloro-1,3-butadiene	U		0.00847	0.0353	1	06/11/2024 21:41	WG2303115
Isopropylbenzene	0.00368		0.000600	0.00353	1	06/11/2024 21:41	WG2303115
p-Isopropyltoluene	0.0164		0.00360	0.00706	1	06/11/2024 21:41	WG2303115
2-Butanone (MEK)	U	J3	0.0896	0.141	1	06/11/2024 21:41	WG2303115
Methylene Chloride	U		0.00937	0.0353	1	06/11/2024 21:41	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00322	0.0353	1	06/11/2024 21:41	WG2303115
Methyl tert-butyl ether	U		0.000494	0.00141	1	06/11/2024 21:41	WG2303115
Naphthalene	0.0762		0.00689	0.0176	1	06/11/2024 21:41	WG2303115
n-Propylbenzene	0.0164		0.00134	0.00706	1	06/11/2024 21:41	WG2303115
Styrene	U		0.000323	0.0176	1	06/11/2024 21:41	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00134	0.00353	1	06/11/2024 21:41	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000981	0.00353	1	06/11/2024 21:41	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00106	0.00353	1	06/11/2024 21:41	WG2303115
Tetrachloroethene	U		0.00126	0.00353	1	06/11/2024 21:41	WG2303115
Toluene	0.0344		0.00183	0.00706	1	06/11/2024 21:41	WG2303115
1,2,3-Trichlorobenzene	U		0.0103	0.0176	1	06/11/2024 21:41	WG2303115
1,2,4-Trichlorobenzene	U		0.00621	0.0176	1	06/11/2024 21:41	WG2303115
1,1,1-Trichloroethane	U		0.00130	0.00353	1	06/11/2024 21:41	WG2303115
1,1,2-Trichloroethane	U		0.000842	0.00353	1	06/11/2024 21:41	WG2303115
Trichloroethene	0.00436		0.000824	0.00141	1	06/11/2024 21:41	WG2303115
Trichlorofluoromethane	U		0.00117	0.00353	1	06/11/2024 21:41	WG2303115
1,2,3-Trichloropropane	U	J4	0.00229	0.0176	1	06/11/2024 21:41	WG2303115
1,2,4-Trimethylbenzene	0.0505		0.00223	0.00706	1	06/11/2024 21:41	WG2303115
1,2,3-Trimethylbenzene	0.0231		0.00223	0.00706	1	06/11/2024 21:41	WG2303115
1,3,5-Trimethylbenzene	0.00902		0.00282	0.00706	1	06/11/2024 21:41	WG2303115
Vinyl chloride	U		0.00164	0.00353	1	06/11/2024 21:41	WG2303115
Xylenes, Total	0.0982		0.00124	0.00917	1	06/11/2024 21:41	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/11/2024 21:41*	WG2303115
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/11/2024 21:41*	WG2303115
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*06/11/2024 21:41*	WG2303115

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0640	0.395	10	06/12/2024 06:08	WG2302475
Acenaphthylene	U		0.0557	0.395	10	06/12/2024 06:08	WG2302475
Anthracene	U		0.0704	0.395	10	06/12/2024 06:08	WG2302475
Benzidine	U		0.743	19.8	10	06/12/2024 06:08	WG2302475
Benzo(a)anthracene	0.317	J	0.0697	0.395	10	06/12/2024 06:08	WG2302475
Benzo(b)fluoranthene	0.668		0.0737	0.395	10	06/12/2024 06:08	WG2302475
Benzo(k)fluoranthene	0.211	J	0.0703	0.395	10	06/12/2024 06:08	WG2302475
Benzo(g,h,i)perylene	0.265	J	0.0723	0.395	10	06/12/2024 06:08	WG2302475

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.484		0.0735	0.395	10	06/12/2024 06:08	WG2302475
Bis(2-chlorethoxy)methane	U		0.119	3.95	10	06/12/2024 06:08	WG2302475
Bis(2-chloroethyl)ether	U	J4	0.131	3.95	10	06/12/2024 06:08	WG2302475
2,2-Oxybis(1-Chloropropane)	U		0.171	3.95	10	06/12/2024 06:08	WG2302475
4-Bromophenyl-phenylether	U		0.139	3.95	10	06/12/2024 06:08	WG2302475
2-Chloronaphthalene	U		0.0694	0.395	10	06/12/2024 06:08	WG2302475
4-Chlorophenyl-phenylether	U		0.138	3.95	10	06/12/2024 06:08	WG2302475
Chrysene	0.329	J	0.0786	0.395	10	06/12/2024 06:08	WG2302475
Dibenz(a,h)anthracene	U		0.110	0.395	10	06/12/2024 06:08	WG2302475
1,2-Dichlorobenzene	U		0.117	3.95	10	06/12/2024 06:08	WG2302475
1,3-Dichlorobenzene	U		0.120	3.95	10	06/12/2024 06:08	WG2302475
1,4-Dichlorobenzene	U		0.118	3.95	10	06/12/2024 06:08	WG2302475
3,3-Dichlorobenzidine	U		0.146	3.95	10	06/12/2024 06:08	WG2302475
2,4-Dinitrotoluene	U		0.113	3.95	10	06/12/2024 06:08	WG2302475
2,6-Dinitrotoluene	U		0.129	3.95	10	06/12/2024 06:08	WG2302475
Fluoranthene	0.380	J	0.0713	0.395	10	06/12/2024 06:08	WG2302475
Fluorene	0.0717	J	0.0643	0.395	10	06/12/2024 06:08	WG2302475
Hexachlorobenzene	U		0.140	3.95	10	06/12/2024 06:08	WG2302475
Hexachloro-1,3-butadiene	U		0.133	3.95	10	06/12/2024 06:08	WG2302475
Hexachlorocyclopentadiene	U		0.208	3.95	10	06/12/2024 06:08	WG2302475
Hexachloroethane	U		0.155	3.95	10	06/12/2024 06:08	WG2302475
Indeno(1,2,3-cd)pyrene	0.268	J	0.112	0.395	10	06/12/2024 06:08	WG2302475
Isophorone	U		0.121	3.95	10	06/12/2024 06:08	WG2302475
Naphthalene	0.211	J	0.0992	0.395	10	06/12/2024 06:08	WG2302475
Nitrobenzene	U		0.138	3.95	10	06/12/2024 06:08	WG2302475
n-Nitrosodimethylamine	U		0.586	3.95	10	06/12/2024 06:08	WG2302475
n-Nitrosodiphenylamine	U		0.299	3.95	10	06/12/2024 06:08	WG2302475
n-Nitrosodi-n-propylamine	U		0.132	3.95	10	06/12/2024 06:08	WG2302475
Phenanthrene	0.179	J	0.0784	0.395	10	06/12/2024 06:08	WG2302475
Benzylbutyl phthalate	U		0.123	3.95	10	06/12/2024 06:08	WG2302475
Bis(2-ethylhexyl)phthalate	U		0.501	3.95	10	06/12/2024 06:08	WG2302475
Di-n-butyl phthalate	U		0.135	3.95	10	06/12/2024 06:08	WG2302475
Diethyl phthalate	U		0.131	3.95	10	06/12/2024 06:08	WG2302475
Dimethyl phthalate	U		0.838	3.95	10	06/12/2024 06:08	WG2302475
Di-n-octyl phthalate	1.39	J	0.267	3.95	10	06/12/2024 06:08	WG2302475
Pyrene	0.453		0.0769	0.395	10	06/12/2024 06:08	WG2302475
1,2,4-Trichlorobenzene	U		0.123	3.95	10	06/12/2024 06:08	WG2302475
4-Chloro-3-methylphenol	U		0.128	3.95	10	06/12/2024 06:08	WG2302475
2-Chlorophenol	U		0.131	3.95	10	06/12/2024 06:08	WG2302475
2,4-Dichlorophenol	U		0.115	3.95	10	06/12/2024 06:08	WG2302475
2,4-Dimethylphenol	U		0.103	3.95	10	06/12/2024 06:08	WG2302475
4,6-Dinitro-2-methylphenol	U		0.896	3.95	10	06/12/2024 06:08	WG2302475
2,4-Dinitrophenol	U		0.925	3.95	10	06/12/2024 06:08	WG2302475
2-Nitrophenol	U		0.141	3.95	10	06/12/2024 06:08	WG2302475
4-Nitrophenol	U		0.123	3.95	10	06/12/2024 06:08	WG2302475
Pentachlorophenol	U		0.106	3.95	10	06/12/2024 06:08	WG2302475
Phenol	U		0.159	3.95	10	06/12/2024 06:08	WG2302475
2,4,6-Trichlorophenol	U		0.127	3.95	10	06/12/2024 06:08	WG2302475
(S) 2-Fluorophenol	*62.7*			*12.0-120*		*06/12/2024 06:08*	WG2302475
(S) Phenol-d5	*61.6*			*10.0-120*		*06/12/2024 06:08*	WG2302475
(S) Nitrobenzene-d5	*59.9*			*10.0-122*		*06/12/2024 06:08*	WG2302475
(S) 2-Fluorobiphenyl	*53.0*			*15.0-120*		*06/12/2024 06:08*	WG2302475
(S) 2,4,6-Tribromophenol	*55.0*			*10.0-127*		*06/12/2024 06:08*	WG2302475
(S) p-Terphenyl-d14	*60.2*			*10.0-120*		*06/12/2024 06:08*	WG2302475

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0210	0.0467	1	06/05/2024 19:09	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	16.8		0.635	2.33	1	06/09/2024 19:33	WG2299939
Arsenic	15.1		3.02	11.7	5	06/10/2024 09:10	WG2299939
Barium	207		0.0994	0.584	1	06/09/2024 19:33	WG2299939
Beryllium	0.571		0.0368	0.233	1	06/09/2024 19:33	WG2299939
Cadmium	11.4		0.0550	0.584	1	06/09/2024 19:33	WG2299939
Chromium	77.6		0.155	1.17	1	06/09/2024 19:33	WG2299939
Cobalt	2.07		0.0947	1.17	1	06/09/2024 19:33	WG2299939
Copper	173		0.467	2.33	1	06/09/2024 19:33	WG2299939
Lead	4540		0.243	0.584	1	06/09/2024 19:33	WG2299939
Molybdenum	6.02		0.127	0.584	1	06/09/2024 19:33	WG2299939
Nickel	22.9		0.154	2.33	1	06/09/2024 19:33	WG2299939
Selenium	7.42		0.892	2.33	1	06/09/2024 19:33	WG2299939
Silver	6.93		0.148	1.17	1	06/10/2024 09:41	WG2299939
Thallium	U		2.30	11.7	5	06/10/2024 09:10	WG2299939
Vanadium	26.0		0.591	2.33	1	06/09/2024 19:33	WG2299939
Zinc	1880		0.971	5.84	1	06/09/2024 19:33	WG2299939

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.17	J	1.11	3.35	25	06/06/2024 00:34	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/06/2024 00:34*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0490	0.0671	1	06/11/2024 22:01	WG2303115
Acrylonitrile	U		0.00484	0.0168	1	06/11/2024 22:01	WG2303115
Benzene	0.00287		0.000626	0.00134	1	06/11/2024 22:01	WG2303115
Bromobenzene	U		0.00121	0.0168	1	06/11/2024 22:01	WG2303115
Bromodichloromethane	U		0.000973	0.00335	1	06/11/2024 22:01	WG2303115
Bromoform	U		0.00157	0.0335	1	06/11/2024 22:01	WG2303115
Bromomethane	U		0.00264	0.0168	1	06/11/2024 22:01	WG2303115
n-Butylbenzene	U		0.00704	0.0168	1	06/11/2024 22:01	WG2303115
sec-Butylbenzene	U		0.00386	0.0168	1	06/11/2024 22:01	WG2303115
tert-Butylbenzene	U		0.00262	0.00671	1	06/11/2024 22:01	WG2303115
Carbon tetrachloride	0.00322	J	0.00120	0.00671	1	06/11/2024 22:01	WG2303115
Chlorobenzene	U		0.000282	0.00335	1	06/11/2024 22:01	WG2303115
Chlorodibromomethane	U		0.000821	0.00335	1	06/11/2024 22:01	WG2303115
Chloroethane	U		0.00228	0.00671	1	06/11/2024 22:01	WG2303115
Chloroform	U		0.00138	0.00335	1	06/11/2024 22:01	WG2303115
Chloromethane	U		0.00584	0.0168	1	06/11/2024 22:01	WG2303115
2-Chlorotoluene	U		0.00116	0.00335	1	06/11/2024 22:01	WG2303115
4-Chlorotoluene	U		0.000604	0.00671	1	06/11/2024 22:01	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00523	0.0335	1	06/11/2024 22:01	WG2303115
1,2-Dibromoethane	U		0.000869	0.00335	1	06/11/2024 22:01	WG2303115
Dibromomethane	U		0.00101	0.00671	1	06/11/2024 22:01	WG2303115
1,2-Dichlorobenzene	0.000869	J	0.000570	0.00671	1	06/11/2024 22:01	WG2303115
1,3-Dichlorobenzene	U		0.000805	0.00671	1	06/11/2024 22:01	WG2303115
1,4-Dichlorobenzene	U		0.000939	0.00671	1	06/11/2024 22:01	WG2303115
Dichlorodifluoromethane	U		0.00216	0.00671	1	06/11/2024 22:01	WG2303115
1,1-Dichloroethane	U		0.000659	0.00335	1	06/11/2024 22:01	WG2303115
1,2-Dichloroethane	U		0.000871	0.00335	1	06/11/2024 22:01	WG2303115
1,1-Dichloroethene	U		0.000813	0.00335	1	06/11/2024 22:01	WG2303115
cis-1,2-Dichloroethene	U		0.000985	0.00335	1	06/11/2024 22:01	WG2303115
trans-1,2-Dichloroethene	U		0.00140	0.00671	1	06/11/2024 22:01	WG2303115
1,2-Dichloropropane	U		0.00190	0.00671	1	06/11/2024 22:01	WG2303115
1,1-Dichloropropene	U		0.00109	0.00335	1	06/11/2024 22:01	WG2303115
1,3-Dichloropropane	U		0.000672	0.00671	1	06/11/2024 22:01	WG2303115
cis-1,3-Dichloropropene	U		0.00102	0.00335	1	06/11/2024 22:01	WG2303115
trans-1,3-Dichloropropene	U		0.00153	0.00671	1	06/11/2024 22:01	WG2303115
2,2-Dichloropropane	U		0.00185	0.00335	1	06/11/2024 22:01	WG2303115
Di-isopropyl ether	U		0.000550	0.00134	1	06/11/2024 22:01	WG2303115
Ethylbenzene	0.00287	J	0.000989	0.00335	1	06/11/2024 22:01	WG2303115
Hexachloro-1,3-butadiene	U		0.00805	0.0335	1	06/11/2024 22:01	WG2303115
Isopropylbenzene	0.00122	J	0.000570	0.00335	1	06/11/2024 22:01	WG2303115
p-Isopropyltoluene	0.00483	J	0.00342	0.00671	1	06/11/2024 22:01	WG2303115
2-Butanone (MEK)	U	J3	0.0852	0.134	1	06/11/2024 22:01	WG2303115
Methylene Chloride	U		0.00891	0.0335	1	06/11/2024 22:01	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00306	0.0335	1	06/11/2024 22:01	WG2303115
Methyl tert-butyl ether	U		0.000470	0.00134	1	06/11/2024 22:01	WG2303115
Naphthalene	0.0286		0.00655	0.0168	1	06/11/2024 22:01	WG2303115
n-Propylbenzene	0.00287	J	0.00127	0.00671	1	06/11/2024 22:01	WG2303115
Styrene	U		0.000307	0.0168	1	06/11/2024 22:01	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00127	0.00335	1	06/11/2024 22:01	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000932	0.00335	1	06/11/2024 22:01	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00101	0.00335	1	06/11/2024 22:01	WG2303115
Tetrachloroethene	0.00370		0.00120	0.00335	1	06/11/2024 22:01	WG2303115
Toluene	0.00975		0.00174	0.00671	1	06/11/2024 22:01	WG2303115
1,2,3-Trichlorobenzene	U		0.00983	0.0168	1	06/11/2024 22:01	WG2303115
1,2,4-Trichlorobenzene	U		0.00590	0.0168	1	06/11/2024 22:01	WG2303115
1,1,1-Trichloroethane	0.0330		0.00124	0.00335	1	06/11/2024 22:01	WG2303115
1,1,2-Trichloroethane	U		0.000801	0.00335	1	06/11/2024 22:01	WG2303115
Trichloroethene	U		0.000783	0.00134	1	06/11/2024 22:01	WG2303115
Trichlorofluoromethane	U		0.00111	0.00335	1	06/11/2024 22:01	WG2303115
1,2,3-Trichloropropane	U	J4	0.00217	0.0168	1	06/11/2024 22:01	WG2303115
1,2,4-Trimethylbenzene	0.0182		0.00212	0.00671	1	06/11/2024 22:01	WG2303115
1,2,3-Trimethylbenzene	0.0115		0.00212	0.00671	1	06/11/2024 22:01	WG2303115
1,3,5-Trimethylbenzene	0.00773		0.00268	0.00671	1	06/11/2024 22:01	WG2303115
Vinyl chloride	U		0.00156	0.00335	1	06/11/2024 22:01	WG2303115
Xylenes, Total	0.0239		0.00118	0.00872	1	06/11/2024 22:01	WG2303115
(S) Toluene-d8	*105*			*75.0-131*		*06/11/2024 22:01*	WG2303115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/11/2024 22:01*	WG2303115
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/11/2024 22:01*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	27.7		0.856	4.67	1	06/13/2024 13:54	WG2303234
C22-C32 Hydrocarbons	38.4		1.55	4.67	1	06/13/2024 13:54	WG2303234
C32-C40 Hydrocarbons	21.5		1.55	4.67	1	06/13/2024 13:54	WG2303234
(S) o-Terphenyl	*61.5*			*18.0-148*		*06/13/2024 13:54*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00629	0.0389	1	06/13/2024 22:41	WG2303251
Acenaphthylene	U		0.00547	0.0389	1	06/13/2024 22:41	WG2303251
Anthracene	U		0.00692	0.0389	1	06/13/2024 22:41	WG2303251
Benzidine	U		0.0731	1.95	1	06/13/2024 22:41	WG2303251
Benzo(a)anthracene	U		0.00685	0.0389	1	06/13/2024 22:41	WG2303251
Benzo(b)fluoranthene	U		0.00725	0.0389	1	06/13/2024 22:41	WG2303251
Benzo(k)fluoranthene	U		0.00691	0.0389	1	06/13/2024 22:41	WG2303251
Benzo(g,h,i)perylene	U		0.00711	0.0389	1	06/13/2024 22:41	WG2303251
Benzo(a)pyrene	U		0.00723	0.0389	1	06/13/2024 22:41	WG2303251
Bis(2-chlorethoxy)methane	U		0.0117	0.389	1	06/13/2024 22:41	WG2303251
Bis(2-chloroethyl)ether	U		0.0128	0.389	1	06/13/2024 22:41	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0168	0.389	1	06/13/2024 22:41	WG2303251
4-Bromophenyl-phenylether	U		0.0137	0.389	1	06/13/2024 22:41	WG2303251
2-Chloronaphthalene	U		0.00683	0.0389	1	06/13/2024 22:41	WG2303251
4-Chlorophenyl-phenylether	U		0.0135	0.389	1	06/13/2024 22:41	WG2303251
Chrysene	U		0.00773	0.0389	1	06/13/2024 22:41	WG2303251
Dibenz(a,h)anthracene	U		0.0108	0.0389	1	06/13/2024 22:41	WG2303251
1,2-Dichlorobenzene	U		0.0115	0.389	1	06/13/2024 22:41	WG2303251
1,3-Dichlorobenzene	U		0.0118	0.389	1	06/13/2024 22:41	WG2303251
1,4-Dichlorobenzene	U		0.0116	0.389	1	06/13/2024 22:41	WG2303251
3,3-Dichlorobenzidine	U		0.0144	0.389	1	06/13/2024 22:41	WG2303251
2,4-Dinitrotoluene	U		0.0111	0.389	1	06/13/2024 22:41	WG2303251
2,6-Dinitrotoluene	U		0.0127	0.389	1	06/13/2024 22:41	WG2303251
Fluoranthene	U		0.00702	0.0389	1	06/13/2024 22:41	WG2303251
Fluorene	U		0.00633	0.0389	1	06/13/2024 22:41	WG2303251
Hexachlorobenzene	U		0.0138	0.389	1	06/13/2024 22:41	WG2303251
Hexachloro-1,3-butadiene	U		0.0131	0.389	1	06/13/2024 22:41	WG2303251
Hexachlorocyclopentadiene	U		0.0204	0.389	1	06/13/2024 22:41	WG2303251
Hexachloroethane	U		0.0153	0.389	1	06/13/2024 22:41	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0110	0.0389	1	06/13/2024 22:41	WG2303251
Isophorone	U		0.0119	0.389	1	06/13/2024 22:41	WG2303251
Naphthalene	U		0.00976	0.0389	1	06/13/2024 22:41	WG2303251
Nitrobenzene	U		0.0135	0.389	1	06/13/2024 22:41	WG2303251
n-Nitrosodimethylamine	U		0.0577	0.389	1	06/13/2024 22:41	WG2303251
n-Nitrosodiphenylamine	U		0.0294	0.389	1	06/13/2024 22:41	WG2303251
n-Nitrosodi-n-propylamine	U		0.0130	0.389	1	06/13/2024 22:41	WG2303251
Phenanthrene	U		0.00772	0.0389	1	06/13/2024 22:41	WG2303251
Benzylbutyl phthalate	U		0.0121	0.389	1	06/13/2024 22:41	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0493	0.389	1	06/13/2024 22:41	WG2303251
Di-n-butyl phthalate	U		0.0133	0.389	1	06/13/2024 22:41	WG2303251
Diethyl phthalate	U		0.0128	0.389	1	06/13/2024 22:41	WG2303251
Dimethyl phthalate	U		0.0824	0.389	1	06/13/2024 22:41	WG2303251
Di-n-octyl phthalate	U		0.0263	0.389	1	06/13/2024 22:41	WG2303251
Pyrene	U		0.00756	0.0389	1	06/13/2024 22:41	WG2303251
1,2,4-Trichlorobenzene	U		0.0121	0.389	1	06/13/2024 22:41	WG2303251
4-Chloro-3-methylphenol	U		0.0126	0.389	1	06/13/2024 22:41	WG2303251
2-Chlorophenol	U		0.0128	0.389	1	06/13/2024 22:41	WG2303251
2,4-Dichlorophenol	U		0.0113	0.389	1	06/13/2024 22:41	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0102	0.389	1	06/13/2024 22:41	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0881	0.389	1	06/13/2024 22:41	WG2303251
2,4-Dinitrophenol	U		0.0909	0.389	1	06/13/2024 22:41	WG2303251
2-Nitrophenol	U		0.0139	0.389	1	06/13/2024 22:41	WG2303251
4-Nitrophenol	U		0.0121	0.389	1	06/13/2024 22:41	WG2303251
Pentachlorophenol	U		0.0105	0.389	1	06/13/2024 22:41	WG2303251
Phenol	U		0.0156	0.389	1	06/13/2024 22:41	WG2303251
2,4,6-Trichlorophenol	U		0.0125	0.389	1	06/13/2024 22:41	WG2303251
(S) 2-Fluorophenol	*78.9*			*12.0-120*		*06/13/2024 22:41*	WG2303251
(S) Phenol-d5	*73.4*			*10.0-120*		*06/13/2024 22:41*	WG2303251
(S) Nitrobenzene-d5	*57.8*			*10.0-122*		*06/13/2024 22:41*	WG2303251
(S) 2-Fluorobiphenyl	*69.3*			*15.0-120*		*06/13/2024 22:41*	WG2303251
(S) 2,4,6-Tribromophenol	*69.8*			*10.0-127*		*06/13/2024 22:41*	WG2303251
(S) p-Terphenyl-d14	*77.2*			*10.0-120*		*06/13/2024 22:41*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	06/13/2024 07:36	WG2304167

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.46		0.612	2.36	1	07/01/2024 20:14	WG2315127
Lead	53.8		0.246	0.591	1	07/01/2024 20:14	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	3.03	B J	1.13	3.41	25	06/13/2024 11:48	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*06/13/2024 11:48*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0498	0.0683	1	06/13/2024 03:17	WG2304049
Acrylonitrile	U		0.00493	0.0171	1	06/13/2024 03:17	WG2304049
Benzene	U		0.000638	0.00137	1	06/13/2024 03:17	WG2304049
Bromobenzene	U		0.00123	0.0171	1	06/13/2024 03:17	WG2304049
Bromodichloromethane	U		0.000990	0.00341	1	06/13/2024 03:17	WG2304049
Bromoform	U		0.00160	0.0341	1	06/13/2024 03:17	WG2304049
Bromomethane	U		0.00269	0.0171	1	06/13/2024 03:17	WG2304049
n-Butylbenzene	U		0.00717	0.0171	1	06/13/2024 03:17	WG2304049
sec-Butylbenzene	U		0.00393	0.0171	1	06/13/2024 03:17	WG2304049
tert-Butylbenzene	U		0.00266	0.00683	1	06/13/2024 03:17	WG2304049
Carbon tetrachloride	U		0.00123	0.00683	1	06/13/2024 03:17	WG2304049
Chlorobenzene	U		0.000287	0.00341	1	06/13/2024 03:17	WG2304049
Chlorodibromomethane	U		0.000836	0.00341	1	06/13/2024 03:17	WG2304049
Chloroethane	U		0.00232	0.00683	1	06/13/2024 03:17	WG2304049
Chloroform	U		0.00141	0.00341	1	06/13/2024 03:17	WG2304049
Chloromethane	U		0.00594	0.0171	1	06/13/2024 03:17	WG2304049
2-Chlorotoluene	U		0.00118	0.00341	1	06/13/2024 03:17	WG2304049
4-Chlorotoluene	U		0.000614	0.00683	1	06/13/2024 03:17	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00532	0.0341	1	06/13/2024 03:17	WG2304049
1,2-Dibromoethane	U		0.000885	0.00341	1	06/13/2024 03:17	WG2304049
Dibromomethane	U		0.00102	0.00683	1	06/13/2024 03:17	WG2304049
1,2-Dichlorobenzene	U		0.000580	0.00683	1	06/13/2024 03:17	WG2304049
1,3-Dichlorobenzene	U		0.000819	0.00683	1	06/13/2024 03:17	WG2304049
1,4-Dichlorobenzene	U		0.000956	0.00683	1	06/13/2024 03:17	WG2304049
Dichlorodifluoromethane	U		0.00220	0.00683	1	06/13/2024 03:17	WG2304049
1,1-Dichloroethane	U		0.000670	0.00341	1	06/13/2024 03:17	WG2304049
1,2-Dichloroethane	U		0.000886	0.00341	1	06/13/2024 03:17	WG2304049
1,1-Dichloroethene	U		0.000827	0.00341	1	06/13/2024 03:17	WG2304049
cis-1,2-Dichloroethene	U		0.00100	0.00341	1	06/13/2024 03:17	WG2304049
trans-1,2-Dichloroethene	U		0.00142	0.00683	1	06/13/2024 03:17	WG2304049
1,2-Dichloropropane	U		0.00194	0.00683	1	06/13/2024 03:17	WG2304049
1,1-Dichloropropene	U		0.00110	0.00341	1	06/13/2024 03:17	WG2304049
1,3-Dichloropropane	U		0.000684	0.00683	1	06/13/2024 03:17	WG2304049
cis-1,3-Dichloropropene	U		0.00103	0.00341	1	06/13/2024 03:17	WG2304049
trans-1,3-Dichloropropene	U		0.00156	0.00683	1	06/13/2024 03:17	WG2304049
2,2-Dichloropropane	U		0.00188	0.00341	1	06/13/2024 03:17	WG2304049
Di-isopropyl ether	U		0.000560	0.00137	1	06/13/2024 03:17	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.00101	0.00341	1	06/13/2024 03:17	WG2304049
Hexachloro-1,3-butadiene	U		0.00819	0.0341	1	06/13/2024 03:17	WG2304049
Isopropylbenzene	U		0.000580	0.00341	1	06/13/2024 03:17	WG2304049
p-Isopropyltoluene	U		0.00348	0.00683	1	06/13/2024 03:17	WG2304049
2-Butanone (MEK)	U		0.0867	0.137	1	06/13/2024 03:17	WG2304049
Methylene Chloride	0.0103	J	0.00907	0.0341	1	06/13/2024 03:17	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00311	0.0341	1	06/13/2024 03:17	WG2304049
Methyl tert-butyl ether	U		0.000478	0.00137	1	06/13/2024 03:17	WG2304049
Naphthalene	U	J3	0.00666	0.0171	1	06/13/2024 03:17	WG2304049
n-Propylbenzene	U		0.00130	0.00683	1	06/13/2024 03:17	WG2304049
Styrene	U		0.000313	0.0171	1	06/13/2024 03:17	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00129	0.00341	1	06/13/2024 03:17	WG2304049
1,1,2,2-Tetrachloroethane	U		0.000949	0.00341	1	06/13/2024 03:17	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00103	0.00341	1	06/13/2024 03:17	WG2304049
Tetrachloroethene	U		0.00122	0.00341	1	06/13/2024 03:17	WG2304049
Toluene	U		0.00177	0.00683	1	06/13/2024 03:17	WG2304049
1,2,3-Trichlorobenzene	U		0.0100	0.0171	1	06/13/2024 03:17	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00601	0.0171	1	06/13/2024 03:17	WG2304049
1,1,1-Trichloroethane	U		0.00126	0.00341	1	06/13/2024 03:17	WG2304049
1,1,2-Trichloroethane	U		0.000815	0.00341	1	06/13/2024 03:17	WG2304049
Trichloroethene	U		0.000797	0.00137	1	06/13/2024 03:17	WG2304049
Trichlorofluoromethane	U		0.00113	0.00341	1	06/13/2024 03:17	WG2304049
1,2,3-Trichloropropane	U		0.00221	0.0171	1	06/13/2024 03:17	WG2304049
1,2,4-Trimethylbenzene	U		0.00216	0.00683	1	06/13/2024 03:17	WG2304049
1,2,3-Trimethylbenzene	U		0.00216	0.00683	1	06/13/2024 03:17	WG2304049
1,3,5-Trimethylbenzene	U		0.00273	0.00683	1	06/13/2024 03:17	WG2304049
Vinyl chloride	U		0.00158	0.00341	1	06/13/2024 03:17	WG2304049
Xylenes, Total	U		0.00120	0.00887	1	06/13/2024 03:17	WG2304049
(S) Toluene-d8	*104*			*75.0-131*		*06/13/2024 03:17*	WG2304049
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/13/2024 03:17*	WG2304049
(S) 1,2-Dichloroethane-d4	*78.4*			*70.0-130*		*06/13/2024 03:17*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	87.3		0.866	4.73	1	06/14/2024 04:54	WG2304127
C22-C32 Hydrocarbons	490		15.7	47.3	10	06/14/2024 18:34	WG2304127
C32-C40 Hydrocarbons	220		15.7	47.3	10	06/14/2024 18:34	WG2304127
(S) o-Terphenyl	*73.0*			*18.0-148*		*06/14/2024 18:34*	WG2304127
(S) o-Terphenyl	*69.4*			*18.0-148*		*06/14/2024 04:54*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0128	0.0787	2	06/14/2024 10:38	WG2304128
Acenaphthylene	U		0.0111	0.0787	2	06/14/2024 10:38	WG2304128
Anthracene	U		0.0141	0.0787	2	06/14/2024 10:38	WG2304128
Benzidine	U		0.148	3.95	2	06/14/2024 10:38	WG2304128
Benzo(a)anthracene	U		0.0138	0.0787	2	06/14/2024 10:38	WG2304128
Benzo(b)fluoranthene	0.0276	J	0.0146	0.0787	2	06/14/2024 10:38	WG2304128
Benzo(k)fluoranthene	U		0.0139	0.0787	2	06/14/2024 10:38	WG2304128
Benzo(g,h,i)perylene	0.0176	J	0.0144	0.0787	2	06/14/2024 10:38	WG2304128
Benzo(a)pyrene	0.0176	J	0.0146	0.0787	2	06/14/2024 10:38	WG2304128
Bis(2-chlorethoxy)methane	U		0.0236	0.787	2	06/14/2024 10:38	WG2304128
Bis(2-chloroethyl)ether	U		0.0260	0.787	2	06/14/2024 10:38	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0340	0.787	2	06/14/2024 10:38	WG2304128
4-Bromophenyl-phenylether	U		0.0276	0.787	2	06/14/2024 10:38	WG2304128
2-Chloronaphthalene	U		0.0138	0.0787	2	06/14/2024 10:38	WG2304128
4-Chlorophenyl-phenylether	U		0.0274	0.787	2	06/14/2024 10:38	WG2304128
Chrysene	U		0.0156	0.0787	2	06/14/2024 10:38	WG2304128
Dibenz(a,h)anthracene	U		0.0219	0.0787	2	06/14/2024 10:38	WG2304128
1,2-Dichlorobenzene	U		0.0233	0.787	2	06/14/2024 10:38	WG2304128
1,3-Dichlorobenzene	U		0.0239	0.787	2	06/14/2024 10:38	WG2304128
1,4-Dichlorobenzene	U		0.0234	0.787	2	06/14/2024 10:38	WG2304128
3,3-Dichlorobenzidine	U		0.0291	0.787	2	06/14/2024 10:38	WG2304128
2,4-Dinitrotoluene	U		0.0226	0.787	2	06/14/2024 10:38	WG2304128
2,6-Dinitrotoluene	U		0.0258	0.787	2	06/14/2024 10:38	WG2304128
Fluoranthene	0.0154	J	0.0142	0.0787	2	06/14/2024 10:38	WG2304128
Fluorene	U		0.0128	0.0787	2	06/14/2024 10:38	WG2304128
Hexachlorobenzene	U		0.0279	0.787	2	06/14/2024 10:38	WG2304128
Hexachloro-1,3-butadiene	U		0.0265	0.787	2	06/14/2024 10:38	WG2304128
Hexachlorocyclopentadiene	U		0.0413	0.787	2	06/14/2024 10:38	WG2304128
Hexachloroethane	U		0.0310	0.787	2	06/14/2024 10:38	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0222	0.0787	2	06/14/2024 10:38	WG2304128
Isophorone	U		0.0241	0.787	2	06/14/2024 10:38	WG2304128
Naphthalene	U		0.0197	0.0787	2	06/14/2024 10:38	WG2304128
Nitrobenzene	U		0.0274	0.787	2	06/14/2024 10:38	WG2304128
n-Nitrosodimethylamine	U		0.117	0.787	2	06/14/2024 10:38	WG2304128
n-Nitrosodiphenylamine	U		0.0595	0.787	2	06/14/2024 10:38	WG2304128
n-Nitrosodi-n-propylamine	U		0.0262	0.787	2	06/14/2024 10:38	WG2304128
Phenanthrene	0.0171	J	0.0156	0.0787	2	06/14/2024 10:38	WG2304128
Benzylbutyl phthalate	U		0.0246	0.787	2	06/14/2024 10:38	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0997	0.787	2	06/14/2024 10:38	WG2304128
Di-n-butyl phthalate	U		0.0269	0.787	2	06/14/2024 10:38	WG2304128
Diethyl phthalate	U		0.0260	0.787	2	06/14/2024 10:38	WG2304128
Dimethyl phthalate	U		0.167	0.787	2	06/14/2024 10:38	WG2304128
Di-n-octyl phthalate	U		0.0532	0.787	2	06/14/2024 10:38	WG2304128
Pyrene	0.0267	J	0.0154	0.0787	2	06/14/2024 10:38	WG2304128
1,2,4-Trichlorobenzene	U		0.0246	0.787	2	06/14/2024 10:38	WG2304128
4-Chloro-3-methylphenol	U		0.0255	0.787	2	06/14/2024 10:38	WG2304128
2-Chlorophenol	U		0.0260	0.787	2	06/14/2024 10:38	WG2304128
2,4-Dichlorophenol	U		0.0229	0.787	2	06/14/2024 10:38	WG2304128
2,4-Dimethylphenol	U		0.0206	0.787	2	06/14/2024 10:38	WG2304128
4,6-Dinitro-2-methylphenol	U		0.178	0.787	2	06/14/2024 10:38	WG2304128
2,4-Dinitrophenol	U		0.184	0.787	2	06/14/2024 10:38	WG2304128
2-Nitrophenol	U		0.0281	0.787	2	06/14/2024 10:38	WG2304128
4-Nitrophenol	U		0.0246	0.787	2	06/14/2024 10:38	WG2304128
Pentachlorophenol	U		0.0211	0.787	2	06/14/2024 10:38	WG2304128
Phenol	U		0.0317	0.787	2	06/14/2024 10:38	WG2304128
2,4,6-Trichlorophenol	U		0.0253	0.787	2	06/14/2024 10:38	WG2304128
(S) 2-Fluorophenol	*65.1*			*12.0-120*		*06/14/2024 10:38*	WG2304128
(S) Phenol-d5	*64.2*			*10.0-120*		*06/14/2024 10:38*	WG2304128
(S) Nitrobenzene-d5	*53.9*			*10.0-122*		*06/14/2024 10:38*	WG2304128
(S) 2-Fluorobiphenyl	*67.3*			*15.0-120*		*06/14/2024 10:38*	WG2304128
(S) 2,4,6-Tribromophenol	*80.5*			*10.0-127*		*06/14/2024 10:38*	WG2304128
(S) p-Terphenyl-d14	*87.9*			*10.0-120*		*06/14/2024 10:38*	WG2304128

Sample Narrative:

L1741921-34 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.6		1	06/03/2024 15:57	WG2297634

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.33	3.99	25	06/06/2024 00:56	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/06/2024 00:56*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0583	0.0799	1	06/11/2024 22:19	WG2303115
Acrylonitrile	U		0.00577	0.0200	1	06/11/2024 22:19	WG2303115
Benzene	U		0.000746	0.00160	1	06/11/2024 22:19	WG2303115
Bromobenzene	U		0.00144	0.0200	1	06/11/2024 22:19	WG2303115
Bromodichloromethane	U		0.00116	0.00399	1	06/11/2024 22:19	WG2303115
Bromoform	U		0.00187	0.0399	1	06/11/2024 22:19	WG2303115
Bromomethane	U		0.00315	0.0200	1	06/11/2024 22:19	WG2303115
n-Butylbenzene	U		0.00839	0.0200	1	06/11/2024 22:19	WG2303115
sec-Butylbenzene	U		0.00460	0.0200	1	06/11/2024 22:19	WG2303115
tert-Butylbenzene	U		0.00312	0.00799	1	06/11/2024 22:19	WG2303115
Carbon tetrachloride	U		0.00143	0.00799	1	06/11/2024 22:19	WG2303115
Chlorobenzene	U		0.000336	0.00399	1	06/11/2024 22:19	WG2303115
Chlorodibromomethane	U		0.000978	0.00399	1	06/11/2024 22:19	WG2303115
Chloroethane	U		0.00272	0.00799	1	06/11/2024 22:19	WG2303115
Chloroform	U		0.00165	0.00399	1	06/11/2024 22:19	WG2303115
Chloromethane	U		0.00695	0.0200	1	06/11/2024 22:19	WG2303115
2-Chlorotoluene	U		0.00138	0.00399	1	06/11/2024 22:19	WG2303115
4-Chlorotoluene	U		0.000719	0.00799	1	06/11/2024 22:19	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00623	0.0399	1	06/11/2024 22:19	WG2303115
1,2-Dibromoethane	U		0.00104	0.00399	1	06/11/2024 22:19	WG2303115
Dibromomethane	U		0.00120	0.00799	1	06/11/2024 22:19	WG2303115
1,2-Dichlorobenzene	U		0.000679	0.00799	1	06/11/2024 22:19	WG2303115
1,3-Dichlorobenzene	U		0.000959	0.00799	1	06/11/2024 22:19	WG2303115
1,4-Dichlorobenzene	U		0.00112	0.00799	1	06/11/2024 22:19	WG2303115
Dichlorodifluoromethane	U		0.00257	0.00799	1	06/11/2024 22:19	WG2303115
1,1-Dichloroethane	U		0.000784	0.00399	1	06/11/2024 22:19	WG2303115
1,2-Dichloroethane	U		0.00104	0.00399	1	06/11/2024 22:19	WG2303115
1,1-Dichloroethene	U		0.000968	0.00399	1	06/11/2024 22:19	WG2303115
cis-1,2-Dichloroethene	U		0.00117	0.00399	1	06/11/2024 22:19	WG2303115
trans-1,2-Dichloroethene	U		0.00166	0.00799	1	06/11/2024 22:19	WG2303115
1,2-Dichloropropane	U		0.00227	0.00799	1	06/11/2024 22:19	WG2303115
1,1-Dichloropropene	U		0.00129	0.00399	1	06/11/2024 22:19	WG2303115
1,3-Dichloropropane	U		0.000800	0.00799	1	06/11/2024 22:19	WG2303115
cis-1,3-Dichloropropene	U		0.00121	0.00399	1	06/11/2024 22:19	WG2303115
trans-1,3-Dichloropropene	U		0.00182	0.00799	1	06/11/2024 22:19	WG2303115
2,2-Dichloropropane	U		0.00220	0.00399	1	06/11/2024 22:19	WG2303115
Di-isopropyl ether	U		0.000655	0.00160	1	06/11/2024 22:19	WG2303115
Ethylbenzene	U		0.00118	0.00399	1	06/11/2024 22:19	WG2303115
Hexachloro-1,3-butadiene	U		0.00959	0.0399	1	06/11/2024 22:19	WG2303115
Isopropylbenzene	U		0.000679	0.00399	1	06/11/2024 22:19	WG2303115
p-Isopropyltoluene	U		0.00407	0.00799	1	06/11/2024 22:19	WG2303115
2-Butanone (MEK)	U	J3	0.101	0.160	1	06/11/2024 22:19	WG2303115
Methylene Chloride	U		0.0106	0.0399	1	06/11/2024 22:19	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00364	0.0399	1	06/11/2024 22:19	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000559	0.00160	1	06/11/2024 22:19	WG2303115
Naphthalene	U		0.00780	0.0200	1	06/11/2024 22:19	WG2303115
n-Propylbenzene	U		0.00152	0.00799	1	06/11/2024 22:19	WG2303115
Styrene	U		0.000366	0.0200	1	06/11/2024 22:19	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00151	0.00399	1	06/11/2024 22:19	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00111	0.00399	1	06/11/2024 22:19	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00120	0.00399	1	06/11/2024 22:19	WG2303115
Tetrachloroethene	U		0.00143	0.00399	1	06/11/2024 22:19	WG2303115
Toluene	U		0.00208	0.00799	1	06/11/2024 22:19	WG2303115
1,2,3-Trichlorobenzene	U		0.0117	0.0200	1	06/11/2024 22:19	WG2303115
1,2,4-Trichlorobenzene	U		0.00703	0.0200	1	06/11/2024 22:19	WG2303115
1,1,1-Trichloroethane	U		0.00147	0.00399	1	06/11/2024 22:19	WG2303115
1,1,2-Trichloroethane	U		0.000954	0.00399	1	06/11/2024 22:19	WG2303115
Trichloroethene	U		0.000933	0.00160	1	06/11/2024 22:19	WG2303115
Trichlorofluoromethane	U		0.00132	0.00399	1	06/11/2024 22:19	WG2303115
1,2,3-Trichloropropane	U	J4	0.00259	0.0200	1	06/11/2024 22:19	WG2303115
1,2,4-Trimethylbenzene	U		0.00252	0.00799	1	06/11/2024 22:19	WG2303115
1,2,3-Trimethylbenzene	U		0.00252	0.00799	1	06/11/2024 22:19	WG2303115
1,3,5-Trimethylbenzene	U		0.00320	0.00799	1	06/11/2024 22:19	WG2303115
Vinyl chloride	U		0.00185	0.00399	1	06/11/2024 22:19	WG2303115
Xylenes, Total	U		0.00141	0.0104	1	06/11/2024 22:19	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/11/2024 22:19*	WG2303115
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*06/11/2024 22:19*	WG2303115
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/11/2024 22:19*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	325		46.7	255	50	06/13/2024 15:21	WG2303234
C22-C32 Hydrocarbons	2390		84.6	255	50	06/13/2024 15:21	WG2303234
C32-C40 Hydrocarbons	1250		84.6	255	50	06/13/2024 15:21	WG2303234
(S) o-Terphenyl	*93.1*	J7		*18.0-148*		*06/13/2024 15:21*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.440		0.0208	0.0462	1	06/05/2024 19:12	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.34		0.628	2.31	1	06/09/2024 19:35	WG2299939
Arsenic	U		0.598	2.31	1	06/09/2024 19:35	WG2299939
Barium	85.8		0.0984	0.577	1	06/09/2024 19:35	WG2299939
Beryllium	0.0628	J	0.0364	0.231	1	06/09/2024 19:35	WG2299939
Cadmium	3.15		0.0544	0.577	1	06/09/2024 19:35	WG2299939
Chromium	73.7		0.154	1.15	1	06/09/2024 19:35	WG2299939
Cobalt	20.0		0.0936	1.15	1	06/09/2024 19:35	WG2299939
Copper	141		0.462	2.31	1	06/09/2024 19:35	WG2299939
Lead	779		0.240	0.577	1	06/09/2024 19:35	WG2299939
Molybdenum	5.08		0.126	0.577	1	06/09/2024 19:35	WG2299939
Nickel	46.0		0.152	2.31	1	06/09/2024 19:35	WG2299939
Selenium	U		0.882	2.31	1	06/09/2024 19:35	WG2299939
Silver	1.61		0.147	1.15	1	06/10/2024 09:43	WG2299939
Thallium	U		0.455	2.31	1	06/09/2024 19:35	WG2299939
Vanadium	26.8		0.584	2.31	1	06/09/2024 19:35	WG2299939
Zinc	629		0.961	5.77	1	06/09/2024 19:35	WG2299939

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0136	0.0393	1	06/13/2024 12:43	WG2303247
PCB 1221	U		0.0136	0.0393	1	06/13/2024 12:43	WG2303247
PCB 1232	U		0.0136	0.0393	1	06/13/2024 12:43	WG2303247
PCB 1242	U		0.0136	0.0393	1	06/13/2024 12:43	WG2303247
PCB 1248	U		0.00852	0.0196	1	06/13/2024 12:43	WG2303247
PCB 1254	U		0.00852	0.0196	1	06/13/2024 12:43	WG2303247
PCB 1260	0.0926	P	0.00852	0.0196	1	06/19/2024 00:54	WG2303247
(S) Decachlorobiphenyl	*83.6*			*10.0-135*		*06/13/2024 12:43*	WG2303247
(S) Decachlorobiphenyl	*84.4*			*10.0-135*		*06/19/2024 00:54*	WG2303247
(S) Tetrachloro-m-xylene	*82.5*			*10.0-139*		*06/19/2024 00:54*	WG2303247
(S) Tetrachloro-m-xylene	*69.5*			*10.0-139*		*06/13/2024 12:43*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00622	0.0384	1	06/13/2024 19:49	WG2303251
Acenaphthylene	U		0.00542	0.0384	1	06/13/2024 19:49	WG2303251
Anthracene	U		0.00685	0.0384	1	06/13/2024 19:49	WG2303251
Benzidine	U		0.0723	1.93	1	06/13/2024 19:49	WG2303251
Benzo(a)anthracene	U		0.00678	0.0384	1	06/13/2024 19:49	WG2303251
Benzo(b)fluoranthene	U		0.00717	0.0384	1	06/13/2024 19:49	WG2303251
Benzo(k)fluoranthene	U		0.00684	0.0384	1	06/13/2024 19:49	WG2303251
Benzo(g,h,i)perylene	U		0.00703	0.0384	1	06/13/2024 19:49	WG2303251
Benzo(a)pyrene	U		0.00715	0.0384	1	06/13/2024 19:49	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0115	0.384	1	06/13/2024 19:49	WG2303251
Bis(2-chloroethyl)ether	U		0.0127	0.384	1	06/13/2024 19:49	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0166	0.384	1	06/13/2024 19:49	WG2303251
4-Bromophenyl-phenylether	U		0.0135	0.384	1	06/13/2024 19:49	WG2303251
2-Chloronaphthalene	U		0.00675	0.0384	1	06/13/2024 19:49	WG2303251
4-Chlorophenyl-phenylether	U		0.0134	0.384	1	06/13/2024 19:49	WG2303251
Chrysene	U		0.00764	0.0384	1	06/13/2024 19:49	WG2303251
Dibenz(a,h)anthracene	U		0.0107	0.0384	1	06/13/2024 19:49	WG2303251
1,2-Dichlorobenzene	U		0.0114	0.384	1	06/13/2024 19:49	WG2303251
1,3-Dichlorobenzene	U		0.0117	0.384	1	06/13/2024 19:49	WG2303251
1,4-Dichlorobenzene	U		0.0114	0.384	1	06/13/2024 19:49	WG2303251
3,3-Dichlorobenzidine	U		0.0142	0.384	1	06/13/2024 19:49	WG2303251
2,4-Dinitrotoluene	U		0.0110	0.384	1	06/13/2024 19:49	WG2303251
2,6-Dinitrotoluene	U		0.0126	0.384	1	06/13/2024 19:49	WG2303251
Fluoranthene	U		0.00694	0.0384	1	06/13/2024 19:49	WG2303251
Fluorene	U		0.00626	0.0384	1	06/13/2024 19:49	WG2303251
Hexachlorobenzene	U		0.0136	0.384	1	06/13/2024 19:49	WG2303251
Hexachloro-1,3-butadiene	U		0.0129	0.384	1	06/13/2024 19:49	WG2303251
Hexachlorocyclopentadiene	U		0.0202	0.384	1	06/13/2024 19:49	WG2303251
Hexachloroethane	U		0.0151	0.384	1	06/13/2024 19:49	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0109	0.0384	1	06/13/2024 19:49	WG2303251
Isophorone	U		0.0118	0.384	1	06/13/2024 19:49	WG2303251
Naphthalene	U		0.00965	0.0384	1	06/13/2024 19:49	WG2303251
Nitrobenzene	U		0.0134	0.384	1	06/13/2024 19:49	WG2303251
n-Nitrosodimethylamine	U		0.0570	0.384	1	06/13/2024 19:49	WG2303251
n-Nitrosodiphenylamine	U		0.0291	0.384	1	06/13/2024 19:49	WG2303251
n-Nitrosodi-n-propylamine	U		0.0128	0.384	1	06/13/2024 19:49	WG2303251
Phenanthrene	U		0.00763	0.0384	1	06/13/2024 19:49	WG2303251
Benzylbutyl phthalate	U		0.0120	0.384	1	06/13/2024 19:49	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0487	0.384	1	06/13/2024 19:49	WG2303251
Di-n-butyl phthalate	U		0.0132	0.384	1	06/13/2024 19:49	WG2303251
Diethyl phthalate	U		0.0127	0.384	1	06/13/2024 19:49	WG2303251
Dimethyl phthalate	U		0.0815	0.384	1	06/13/2024 19:49	WG2303251
Di-n-octyl phthalate	U		0.0260	0.384	1	06/13/2024 19:49	WG2303251
Pyrene	U		0.00748	0.0384	1	06/13/2024 19:49	WG2303251
1,2,4-Trichlorobenzene	U		0.0120	0.384	1	06/13/2024 19:49	WG2303251
4-Chloro-3-methylphenol	U		0.0125	0.384	1	06/13/2024 19:49	WG2303251
2-Chlorophenol	U		0.0127	0.384	1	06/13/2024 19:49	WG2303251
2,4-Dichlorophenol	U		0.0112	0.384	1	06/13/2024 19:49	WG2303251
2,4-Dimethylphenol	U		0.0100	0.384	1	06/13/2024 19:49	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0872	0.384	1	06/13/2024 19:49	WG2303251
2,4-Dinitrophenol	U		0.0899	0.384	1	06/13/2024 19:49	WG2303251
2-Nitrophenol	U		0.0137	0.384	1	06/13/2024 19:49	WG2303251
4-Nitrophenol	U		0.0120	0.384	1	06/13/2024 19:49	WG2303251
Pentachlorophenol	U		0.0103	0.384	1	06/13/2024 19:49	WG2303251
Phenol	U		0.0155	0.384	1	06/13/2024 19:49	WG2303251
2,4,6-Trichlorophenol	U		0.0124	0.384	1	06/13/2024 19:49	WG2303251
(S) 2-Fluorophenol	*69.0*			*12.0-120*		*06/13/2024 19:49*	WG2303251
(S) Phenol-d5	*63.5*			*10.0-120*		*06/13/2024 19:49*	WG2303251
(S) Nitrobenzene-d5	*52.2*			*10.0-122*		*06/13/2024 19:49*	WG2303251
(S) 2-Fluorobiphenyl	*59.4*			*15.0-120*		*06/13/2024 19:49*	WG2303251
(S) 2,4,6-Tribromophenol	*64.9*			*10.0-127*		*06/13/2024 19:49*	WG2303251
(S) p-Terphenyl-d14	*72.3*			*10.0-120*		*06/13/2024 19:49*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	06/03/2024 15:57	WG2297634

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.189		0.0198	0.0439	1	06/05/2024 19:14	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.94		0.598	2.20	1	06/09/2024 19:37	WG2299939
Arsenic	U		0.569	2.20	1	06/09/2024 19:37	WG2299939
Barium	55.1		0.0936	0.549	1	06/09/2024 19:37	WG2299939
Beryllium	0.152	J	0.0346	0.220	1	06/09/2024 19:37	WG2299939
Cadmium	0.586		0.0517	0.549	1	06/09/2024 19:37	WG2299939
Chromium	34.7		0.146	1.10	1	06/09/2024 19:37	WG2299939
Cobalt	11.2		0.0891	1.10	1	06/09/2024 19:37	WG2299939
Copper	80.1		0.439	2.20	1	06/09/2024 19:37	WG2299939
Lead	172		0.229	0.549	1	06/09/2024 19:37	WG2299939
Molybdenum	1.44		0.120	0.549	1	06/09/2024 19:37	WG2299939
Nickel	28.3		0.145	2.20	1	06/09/2024 19:37	WG2299939
Selenium	1.22	J	0.839	2.20	1	06/09/2024 19:37	WG2299939
Silver	0.740	J	0.140	1.10	1	06/10/2024 09:48	WG2299939
Thallium	U		0.433	2.20	1	06/09/2024 19:37	WG2299939
Vanadium	26.0		0.556	2.20	1	06/09/2024 19:37	WG2299939
Zinc	168		0.914	5.49	1	06/09/2024 19:37	WG2299939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0439	0.0602	1	06/11/2024 22:38	WG2303115
Acrylonitrile	U		0.00435	0.0150	1	06/11/2024 22:38	WG2303115
Benzene	0.000792	J	0.000562	0.00120	1	06/11/2024 22:38	WG2303115
Bromobenzene	U		0.00108	0.0150	1	06/11/2024 22:38	WG2303115
Bromodichloromethane	U		0.000873	0.00301	1	06/11/2024 22:38	WG2303115
Bromoform	U		0.00141	0.0301	1	06/11/2024 22:38	WG2303115
Bromomethane	U		0.00237	0.0150	1	06/11/2024 22:38	WG2303115
n-Butylbenzene	U		0.00632	0.0150	1	06/11/2024 22:38	WG2303115
sec-Butylbenzene	U		0.00347	0.0150	1	06/11/2024 22:38	WG2303115
tert-Butylbenzene	U		0.00235	0.00602	1	06/11/2024 22:38	WG2303115
Carbon tetrachloride	U		0.00108	0.00602	1	06/11/2024 22:38	WG2303115
Chlorobenzene	U		0.000253	0.00301	1	06/11/2024 22:38	WG2303115
Chlorodibromomethane	U		0.000737	0.00301	1	06/11/2024 22:38	WG2303115
Chloroethane	U		0.00205	0.00602	1	06/11/2024 22:38	WG2303115
Chloroform	U		0.00124	0.00301	1	06/11/2024 22:38	WG2303115
Chloromethane	U		0.00524	0.0150	1	06/11/2024 22:38	WG2303115
2-Chlorotoluene	U		0.00104	0.00301	1	06/11/2024 22:38	WG2303115
4-Chlorotoluene	U		0.000542	0.00602	1	06/11/2024 22:38	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00469	0.0301	1	06/11/2024 22:38	WG2303115
1,2-Dibromoethane	U		0.000780	0.00301	1	06/11/2024 22:38	WG2303115
Dibromomethane	U		0.000903	0.00602	1	06/11/2024 22:38	WG2303115
1,2-Dichlorobenzene	U		0.000512	0.00602	1	06/11/2024 22:38	WG2303115
1,3-Dichlorobenzene	U		0.000722	0.00602	1	06/11/2024 22:38	WG2303115
1,4-Dichlorobenzene	U		0.000843	0.00602	1	06/11/2024 22:38	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00194	0.00602	1	06/11/2024 22:38	WG2303115
1,1-Dichloroethane	U		0.000591	0.00301	1	06/11/2024 22:38	WG2303115
1,2-Dichloroethane	U		0.000781	0.00301	1	06/11/2024 22:38	WG2303115
1,1-Dichloroethene	U		0.000729	0.00301	1	06/11/2024 22:38	WG2303115
cis-1,2-Dichloroethene	U		0.000884	0.00301	1	06/11/2024 22:38	WG2303115
trans-1,2-Dichloroethene	U		0.00125	0.00602	1	06/11/2024 22:38	WG2303115
1,2-Dichloropropane	U		0.00171	0.00602	1	06/11/2024 22:38	WG2303115
1,1-Dichloropropene	U		0.000974	0.00301	1	06/11/2024 22:38	WG2303115
1,3-Dichloropropane	U		0.000603	0.00602	1	06/11/2024 22:38	WG2303115
cis-1,3-Dichloropropene	U		0.000911	0.00301	1	06/11/2024 22:38	WG2303115
trans-1,3-Dichloropropene	U		0.00137	0.00602	1	06/11/2024 22:38	WG2303115
2,2-Dichloropropane	U		0.00166	0.00301	1	06/11/2024 22:38	WG2303115
Di-isopropyl ether	U		0.000494	0.00120	1	06/11/2024 22:38	WG2303115
Ethylbenzene	U		0.000887	0.00301	1	06/11/2024 22:38	WG2303115
Hexachloro-1,3-butadiene	U		0.00722	0.0301	1	06/11/2024 22:38	WG2303115
Isopropylbenzene	U		0.000512	0.00301	1	06/11/2024 22:38	WG2303115
p-Isopropyltoluene	U		0.00307	0.00602	1	06/11/2024 22:38	WG2303115
2-Butanone (MEK)	U	J3	0.0764	0.120	1	06/11/2024 22:38	WG2303115
Methylene Chloride	U		0.00799	0.0301	1	06/11/2024 22:38	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00274	0.0301	1	06/11/2024 22:38	WG2303115
Methyl tert-butyl ether	U		0.000421	0.00120	1	06/11/2024 22:38	WG2303115
Naphthalene	0.0165		0.00587	0.0150	1	06/11/2024 22:38	WG2303115
n-Propylbenzene	U		0.00114	0.00602	1	06/11/2024 22:38	WG2303115
Styrene	U		0.000276	0.0150	1	06/11/2024 22:38	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00114	0.00301	1	06/11/2024 22:38	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000837	0.00301	1	06/11/2024 22:38	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.000908	0.00301	1	06/11/2024 22:38	WG2303115
Tetrachloroethene	U		0.00108	0.00301	1	06/11/2024 22:38	WG2303115
Toluene	0.00193	J	0.00156	0.00602	1	06/11/2024 22:38	WG2303115
1,2,3-Trichlorobenzene	U		0.00882	0.0150	1	06/11/2024 22:38	WG2303115
1,2,4-Trichlorobenzene	U		0.00530	0.0150	1	06/11/2024 22:38	WG2303115
1,1,1-Trichloroethane	0.00136	J	0.00111	0.00301	1	06/11/2024 22:38	WG2303115
1,1,2-Trichloroethane	U		0.000719	0.00301	1	06/11/2024 22:38	WG2303115
Trichloroethene	U		0.000703	0.00120	1	06/11/2024 22:38	WG2303115
Trichlorofluoromethane	U		0.000996	0.00301	1	06/11/2024 22:38	WG2303115
1,2,3-Trichloropropane	U	J4	0.00195	0.0150	1	06/11/2024 22:38	WG2303115
1,2,4-Trimethylbenzene	U		0.00190	0.00602	1	06/11/2024 22:38	WG2303115
1,2,3-Trimethylbenzene	U		0.00190	0.00602	1	06/11/2024 22:38	WG2303115
1,3,5-Trimethylbenzene	U		0.00241	0.00602	1	06/11/2024 22:38	WG2303115
Vinyl chloride	U		0.00140	0.00301	1	06/11/2024 22:38	WG2303115
Xylenes, Total	0.00110	J	0.00106	0.00782	1	06/11/2024 22:38	WG2303115
(S) Toluene-d8	*101*			*75.0-131*		*06/11/2024 22:38*	WG2303115
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*06/11/2024 22:38*	WG2303115
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*06/11/2024 22:38*	WG2303115

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0130	0.0374	1	07/01/2024 23:34	WG2314791
PCB 1221	U		0.0130	0.0374	1	07/01/2024 23:34	WG2314791
PCB 1232	U		0.0130	0.0374	1	07/01/2024 23:34	WG2314791
PCB 1242	U		0.0130	0.0374	1	07/01/2024 23:34	WG2314791
PCB 1248	U		0.00811	0.0187	1	07/01/2024 23:34	WG2314791
PCB 1254	U		0.00811	0.0187	1	07/01/2024 23:34	WG2314791
PCB 1260	U		0.00811	0.0187	1	07/01/2024 23:34	WG2314791
(S) Decachlorobiphenyl	*68.3*			*10.0-135*		*07/01/2024 23:34*	WG2314791

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*83.9*			*10.0-139*		*07/01/2024 23:34*	WG2314791

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00592	0.0366	1	06/13/2024 22:16	WG2303251
Acenaphthylene	U		0.00515	0.0366	1	06/13/2024 22:16	WG2303251
Anthracene	U		0.00651	0.0366	1	06/13/2024 22:16	WG2303251
Benzidine	U		0.0688	1.83	1	06/13/2024 22:16	WG2303251
Benzo(a)anthracene	U		0.00645	0.0366	1	06/13/2024 22:16	WG2303251
Benzo(b)fluoranthene	U		0.00682	0.0366	1	06/13/2024 22:16	WG2303251
Benzo(k)fluoranthene	U		0.00650	0.0366	1	06/13/2024 22:16	WG2303251
Benzo(g,h,i)perylene	U		0.00669	0.0366	1	06/13/2024 22:16	WG2303251
Benzo(a)pyrene	U		0.00680	0.0366	1	06/13/2024 22:16	WG2303251
Bis(2-chlorethoxy)methane	U		0.0110	0.366	1	06/13/2024 22:16	WG2303251
Bis(2-chloroethyl)ether	U		0.0121	0.366	1	06/13/2024 22:16	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0158	0.366	1	06/13/2024 22:16	WG2303251
4-Bromophenyl-phenylether	U		0.0129	0.366	1	06/13/2024 22:16	WG2303251
2-Chloronaphthalene	U		0.00643	0.0366	1	06/13/2024 22:16	WG2303251
4-Chlorophenyl-phenylether	U		0.0127	0.366	1	06/13/2024 22:16	WG2303251
Chrysene	U		0.00727	0.0366	1	06/13/2024 22:16	WG2303251
Dibenz(a,h)anthracene	U		0.0101	0.0366	1	06/13/2024 22:16	WG2303251
1,2-Dichlorobenzene	U		0.0108	0.366	1	06/13/2024 22:16	WG2303251
1,3-Dichlorobenzene	U		0.0111	0.366	1	06/13/2024 22:16	WG2303251
1,4-Dichlorobenzene	U		0.0109	0.366	1	06/13/2024 22:16	WG2303251
3,3-Dichlorobenzidine	U		0.0135	0.366	1	06/13/2024 22:16	WG2303251
2,4-Dinitrotoluene	U		0.0105	0.366	1	06/13/2024 22:16	WG2303251
2,6-Dinitrotoluene	U		0.0120	0.366	1	06/13/2024 22:16	WG2303251
Fluoranthene	U		0.00660	0.0366	1	06/13/2024 22:16	WG2303251
Fluorene	U		0.00595	0.0366	1	06/13/2024 22:16	WG2303251
Hexachlorobenzene	U		0.0130	0.366	1	06/13/2024 22:16	WG2303251
Hexachloro-1,3-butadiene	U		0.0123	0.366	1	06/13/2024 22:16	WG2303251
Hexachlorocyclopentadiene	U		0.0192	0.366	1	06/13/2024 22:16	WG2303251
Hexachloroethane	U		0.0144	0.366	1	06/13/2024 22:16	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0103	0.0366	1	06/13/2024 22:16	WG2303251
Isophorone	U		0.0112	0.366	1	06/13/2024 22:16	WG2303251
Naphthalene	U		0.00918	0.0366	1	06/13/2024 22:16	WG2303251
Nitrobenzene	U		0.0127	0.366	1	06/13/2024 22:16	WG2303251
n-Nitrosodimethylamine	U		0.0543	0.366	1	06/13/2024 22:16	WG2303251
n-Nitrosodiphenylamine	U		0.0277	0.366	1	06/13/2024 22:16	WG2303251
n-Nitrosodi-n-propylamine	U		0.0122	0.366	1	06/13/2024 22:16	WG2303251
Phenanthrene	U		0.00726	0.0366	1	06/13/2024 22:16	WG2303251
Benzylbutyl phthalate	U		0.0114	0.366	1	06/13/2024 22:16	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0464	0.366	1	06/13/2024 22:16	WG2303251
Di-n-butyl phthalate	U		0.0125	0.366	1	06/13/2024 22:16	WG2303251
Diethyl phthalate	U		0.0121	0.366	1	06/13/2024 22:16	WG2303251
Dimethyl phthalate	U		0.0776	0.366	1	06/13/2024 22:16	WG2303251
Di-n-octyl phthalate	U		0.0247	0.366	1	06/13/2024 22:16	WG2303251
Pyrene	U		0.00712	0.0366	1	06/13/2024 22:16	WG2303251
1,2,4-Trichlorobenzene	U		0.0114	0.366	1	06/13/2024 22:16	WG2303251
4-Chloro-3-methylphenol	U		0.0119	0.366	1	06/13/2024 22:16	WG2303251
2-Chlorophenol	U		0.0121	0.366	1	06/13/2024 22:16	WG2303251
2,4-Dichlorophenol	U		0.0107	0.366	1	06/13/2024 22:16	WG2303251
2,4-Dimethylphenol	U		0.00956	0.366	1	06/13/2024 22:16	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0829	0.366	1	06/13/2024 22:16	WG2303251
2,4-Dinitrophenol	U		0.0856	0.366	1	06/13/2024 22:16	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0131	0.366	1	06/13/2024 22:16	WG2303251
4-Nitrophenol	U		0.0114	0.366	1	06/13/2024 22:16	WG2303251
Pentachlorophenol	U		0.00984	0.366	1	06/13/2024 22:16	WG2303251
Phenol	U		0.0147	0.366	1	06/13/2024 22:16	WG2303251
2,4,6-Trichlorophenol	U		0.0118	0.366	1	06/13/2024 22:16	WG2303251
(S) 2-Fluorophenol	*72.2*			*12.0-120*		*06/13/2024 22:16*	WG2303251
(S) Phenol-d5	*66.6*			*10.0-120*		*06/13/2024 22:16*	WG2303251
(S) Nitrobenzene-d5	*53.8*			*10.0-122*		*06/13/2024 22:16*	WG2303251
(S) 2-Fluorobiphenyl	*66.2*			*15.0-120*		*06/13/2024 22:16*	WG2303251
(S) 2,4,6-Tribromophenol	*64.5*			*10.0-127*		*06/13/2024 22:16*	WG2303251
(S) p-Terphenyl-d14	*75.7*			*10.0-120*		*06/13/2024 22:16*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0456	J	0.0215	0.0478	1	06/05/2024 19:17	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	23.4		3.25	12.0	5	06/10/2024 09:50	WG2299939
Arsenic	38.3		3.10	12.0	5	06/10/2024 09:50	WG2299939
Barium	138		0.509	2.99	5	06/10/2024 09:50	WG2299939
Beryllium	0.284	J	0.189	1.20	5	06/10/2024 09:50	WG2299939
Cadmium	2.15	J	0.282	2.99	5	06/10/2024 09:50	WG2299939
Chromium	117		0.795	5.98	5	06/10/2024 09:50	WG2299939
Cobalt	16.7		0.486	5.98	5	06/10/2024 09:50	WG2299939
Copper	369		2.39	12.0	5	06/10/2024 09:50	WG2299939
Lead	437		1.24	2.99	5	06/10/2024 09:50	WG2299939
Molybdenum	7.73		0.652	2.99	5	06/10/2024 09:50	WG2299939
Nickel	84.5		0.789	12.0	5	06/10/2024 09:50	WG2299939
Selenium	U		4.57	12.0	5	06/10/2024 09:50	WG2299939
Silver	U		0.759	5.98	5	06/10/2024 09:50	WG2299939
Thallium	U		2.36	12.0	5	06/10/2024 09:50	WG2299939
Vanadium	96.3		3.03	12.0	5	06/10/2024 09:50	WG2299939
Zinc	459		4.97	29.9	5	06/10/2024 09:50	WG2299939

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.49	J	1.17	3.51	25.3	06/06/2024 01:17	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/06/2024 01:17*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	11.1		0.877	4.78	1	06/13/2024 14:08	WG2303234
C22-C32 Hydrocarbons	33.6		1.59	4.78	1	06/13/2024 14:08	WG2303234
C32-C40 Hydrocarbons	19.5		1.59	4.78	1	06/13/2024 14:08	WG2303234
(S) o-Terphenyl	*72.9*			*18.0-148*		*06/13/2024 14:08*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00645	0.0398	1	06/14/2024 00:43	WG2303251
Acenaphthylene	U		0.00561	0.0398	1	06/14/2024 00:43	WG2303251
Anthracene	U		0.00709	0.0398	1	06/14/2024 00:43	WG2303251
Benzidine	U		0.0749	2.00	1	06/14/2024 00:43	WG2303251
Benzo(a)anthracene	U		0.00702	0.0398	1	06/14/2024 00:43	WG2303251
Benzo(b)fluoranthene	U		0.00743	0.0398	1	06/14/2024 00:43	WG2303251
Benzo(k)fluoranthene	U		0.00708	0.0398	1	06/14/2024 00:43	WG2303251
Benzo(g,h,i)perylene	U		0.00728	0.0398	1	06/14/2024 00:43	WG2303251
Benzo(a)pyrene	U		0.00740	0.0398	1	06/14/2024 00:43	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0120	0.398	1	06/14/2024 00:43	WG2303251
Bis(2-chloroethyl)ether	U		0.0132	0.398	1	06/14/2024 00:43	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0172	0.398	1	06/14/2024 00:43	WG2303251
4-Bromophenyl-phenylether	U		0.0140	0.398	1	06/14/2024 00:43	WG2303251
2-Chloronaphthalene	U		0.00700	0.0398	1	06/14/2024 00:43	WG2303251
4-Chlorophenyl-phenylether	U		0.0139	0.398	1	06/14/2024 00:43	WG2303251
Chrysene	U		0.00792	0.0398	1	06/14/2024 00:43	WG2303251
Dibenz(a,h)anthracene	U		0.0110	0.0398	1	06/14/2024 00:43	WG2303251
1,2-Dichlorobenzene	U		0.0118	0.398	1	06/14/2024 00:43	WG2303251
1,3-Dichlorobenzene	U		0.0121	0.398	1	06/14/2024 00:43	WG2303251
1,4-Dichlorobenzene	U		0.0119	0.398	1	06/14/2024 00:43	WG2303251
3,3-Dichlorobenzidine	U		0.0147	0.398	1	06/14/2024 00:43	WG2303251
2,4-Dinitrotoluene	U		0.0114	0.398	1	06/14/2024 00:43	WG2303251
2,6-Dinitrotoluene	U		0.0130	0.398	1	06/14/2024 00:43	WG2303251
Fluoranthene	U		0.00719	0.0398	1	06/14/2024 00:43	WG2303251
Fluorene	U		0.00648	0.0398	1	06/14/2024 00:43	WG2303251
Hexachlorobenzene	U		0.0141	0.398	1	06/14/2024 00:43	WG2303251
Hexachloro-1,3-butadiene	U		0.0134	0.398	1	06/14/2024 00:43	WG2303251
Hexachlorocyclopentadiene	U		0.0209	0.398	1	06/14/2024 00:43	WG2303251
Hexachloroethane	U		0.0157	0.398	1	06/14/2024 00:43	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0398	1	06/14/2024 00:43	WG2303251
Isophorone	U		0.0122	0.398	1	06/14/2024 00:43	WG2303251
Naphthalene	U		0.0100	0.0398	1	06/14/2024 00:43	WG2303251
Nitrobenzene	U		0.0139	0.398	1	06/14/2024 00:43	WG2303251
n-Nitrosodimethylamine	U		0.0591	0.398	1	06/14/2024 00:43	WG2303251
n-Nitrosodiphenylamine	U		0.0301	0.398	1	06/14/2024 00:43	WG2303251
n-Nitrosodi-n-propylamine	U		0.0133	0.398	1	06/14/2024 00:43	WG2303251
Phenanthrene	U		0.00790	0.0398	1	06/14/2024 00:43	WG2303251
Benzylbutyl phthalate	U		0.0124	0.398	1	06/14/2024 00:43	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0505	0.398	1	06/14/2024 00:43	WG2303251
Di-n-butyl phthalate	U		0.0136	0.398	1	06/14/2024 00:43	WG2303251
Diethyl phthalate	U		0.0132	0.398	1	06/14/2024 00:43	WG2303251
Dimethyl phthalate	U		0.0844	0.398	1	06/14/2024 00:43	WG2303251
Di-n-octyl phthalate	U		0.0269	0.398	1	06/14/2024 00:43	WG2303251
Pyrene	0.00898	J	0.00775	0.0398	1	06/14/2024 00:43	WG2303251
1,2,4-Trichlorobenzene	U		0.0124	0.398	1	06/14/2024 00:43	WG2303251
4-Chloro-3-methylphenol	U		0.0129	0.398	1	06/14/2024 00:43	WG2303251
2-Chlorophenol	U		0.0132	0.398	1	06/14/2024 00:43	WG2303251
2,4-Dichlorophenol	U		0.0116	0.398	1	06/14/2024 00:43	WG2303251
2,4-Dimethylphenol	U		0.0104	0.398	1	06/14/2024 00:43	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0903	0.398	1	06/14/2024 00:43	WG2303251
2,4-Dinitrophenol	U		0.0932	0.398	1	06/14/2024 00:43	WG2303251
2-Nitrophenol	U		0.0142	0.398	1	06/14/2024 00:43	WG2303251
4-Nitrophenol	U		0.0124	0.398	1	06/14/2024 00:43	WG2303251
Pentachlorophenol	U		0.0107	0.398	1	06/14/2024 00:43	WG2303251
Phenol	U		0.0160	0.398	1	06/14/2024 00:43	WG2303251
2,4,6-Trichlorophenol	U		0.0128	0.398	1	06/14/2024 00:43	WG2303251
(S) 2-Fluorophenol	*72.6*			*12.0-120*		*06/14/2024 00:43*	WG2303251
(S) Phenol-d5	*66.7*			*10.0-120*		*06/14/2024 00:43*	WG2303251
(S) Nitrobenzene-d5	*53.3*			*10.0-122*		*06/14/2024 00:43*	WG2303251
(S) 2-Fluorobiphenyl	*65.0*			*15.0-120*		*06/14/2024 00:43*	WG2303251
(S) 2,4,6-Tribromophenol	*66.9*			*10.0-127*		*06/14/2024 00:43*	WG2303251
(S) p-Terphenyl-d14	*72.1*			*10.0-120*		*06/14/2024 00:43*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	06/13/2024 07:36	WG2304167

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.66		0.632	2.44	1	07/01/2024 20:16	WG2315127
Lead	26.5		0.254	0.610	1	07/01/2024 20:16	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.34	B J	1.25	3.77	25	06/13/2024 12:08	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*		*06/13/2024 12:08*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0551	0.0754	1	06/13/2024 03:37	WG2304049
Acrylonitrile	U		0.00545	0.0189	1	06/13/2024 03:37	WG2304049
Benzene	0.00241		0.000704	0.00151	1	06/13/2024 03:37	WG2304049
Bromobenzene	U		0.00136	0.0189	1	06/13/2024 03:37	WG2304049
Bromodichloromethane	U		0.00109	0.00377	1	06/13/2024 03:37	WG2304049
Bromoform	U		0.00176	0.0377	1	06/13/2024 03:37	WG2304049
Bromomethane	U		0.00297	0.0189	1	06/13/2024 03:37	WG2304049
n-Butylbenzene	U		0.00792	0.0189	1	06/13/2024 03:37	WG2304049
sec-Butylbenzene	U		0.00434	0.0189	1	06/13/2024 03:37	WG2304049
tert-Butylbenzene	U		0.00294	0.00754	1	06/13/2024 03:37	WG2304049
Carbon tetrachloride	U		0.00135	0.00754	1	06/13/2024 03:37	WG2304049
Chlorobenzene	U		0.000317	0.00377	1	06/13/2024 03:37	WG2304049
Chlorodibromomethane	U		0.000923	0.00377	1	06/13/2024 03:37	WG2304049
Chloroethane	U		0.00256	0.00754	1	06/13/2024 03:37	WG2304049
Chloroform	U		0.00155	0.00377	1	06/13/2024 03:37	WG2304049
Chloromethane	U		0.00656	0.0189	1	06/13/2024 03:37	WG2304049
2-Chlorotoluene	U		0.00130	0.00377	1	06/13/2024 03:37	WG2304049
4-Chlorotoluene	U		0.000679	0.00754	1	06/13/2024 03:37	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00588	0.0377	1	06/13/2024 03:37	WG2304049
1,2-Dibromoethane	U		0.000977	0.00377	1	06/13/2024 03:37	WG2304049
Dibromomethane	U		0.00113	0.00754	1	06/13/2024 03:37	WG2304049
1,2-Dichlorobenzene	0.0225		0.000641	0.00754	1	06/13/2024 03:37	WG2304049
1,3-Dichlorobenzene	U		0.000905	0.00754	1	06/13/2024 03:37	WG2304049
1,4-Dichlorobenzene	0.0175		0.00106	0.00754	1	06/13/2024 03:37	WG2304049
Dichlorodifluoromethane	U		0.00243	0.00754	1	06/13/2024 03:37	WG2304049
1,1-Dichloroethane	0.00249	J	0.000741	0.00377	1	06/13/2024 03:37	WG2304049
1,2-Dichloroethane	U		0.000979	0.00377	1	06/13/2024 03:37	WG2304049
1,1-Dichloroethene	U		0.000914	0.00377	1	06/13/2024 03:37	WG2304049
cis-1,2-Dichloroethene	U		0.00111	0.00377	1	06/13/2024 03:37	WG2304049
trans-1,2-Dichloroethene	U		0.00157	0.00754	1	06/13/2024 03:37	WG2304049
1,2-Dichloropropane	U		0.00214	0.00754	1	06/13/2024 03:37	WG2304049
1,1-Dichloropropene	U		0.00122	0.00377	1	06/13/2024 03:37	WG2304049
1,3-Dichloropropane	U		0.000756	0.00754	1	06/13/2024 03:37	WG2304049
cis-1,3-Dichloropropene	U		0.00114	0.00377	1	06/13/2024 03:37	WG2304049
trans-1,3-Dichloropropene	U		0.00172	0.00754	1	06/13/2024 03:37	WG2304049
2,2-Dichloropropane	U		0.00208	0.00377	1	06/13/2024 03:37	WG2304049
Di-isopropyl ether	U		0.000618	0.00151	1	06/13/2024 03:37	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ethylbenzene	0.00674		0.00111	0.00377	1	06/13/2024 03:37	WG2304049
Hexachloro-1,3-butadiene	U		0.00905	0.0377	1	06/13/2024 03:37	WG2304049
Isopropylbenzene	0.00261	J	0.000641	0.00377	1	06/13/2024 03:37	WG2304049
p-Isopropyltoluene	0.00554	J	0.00385	0.00754	1	06/13/2024 03:37	WG2304049
2-Butanone (MEK)	U		0.0958	0.151	1	06/13/2024 03:37	WG2304049
Methylene Chloride	U		0.0100	0.0377	1	06/13/2024 03:37	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00344	0.0377	1	06/13/2024 03:37	WG2304049
Methyl tert-butyl ether	U		0.000528	0.00151	1	06/13/2024 03:37	WG2304049
Naphthalene	0.0300	J3	0.00736	0.0189	1	06/13/2024 03:37	WG2304049
n-Propylbenzene	0.0140		0.00143	0.00754	1	06/13/2024 03:37	WG2304049
Styrene	U		0.000345	0.0189	1	06/13/2024 03:37	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00143	0.00377	1	06/13/2024 03:37	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00105	0.00377	1	06/13/2024 03:37	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00114	0.00377	1	06/13/2024 03:37	WG2304049
Tetrachloroethene	U		0.00135	0.00377	1	06/13/2024 03:37	WG2304049
Toluene	0.0119		0.00196	0.00754	1	06/13/2024 03:37	WG2304049
1,2,3-Trichlorobenzene	U		0.0111	0.0189	1	06/13/2024 03:37	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00664	0.0189	1	06/13/2024 03:37	WG2304049
1,1,1-Trichloroethane	U		0.00139	0.00377	1	06/13/2024 03:37	WG2304049
1,1,2-Trichloroethane	U		0.000901	0.00377	1	06/13/2024 03:37	WG2304049
Trichloroethene	U		0.000881	0.00151	1	06/13/2024 03:37	WG2304049
Trichlorofluoromethane	U		0.00125	0.00377	1	06/13/2024 03:37	WG2304049
1,2,3-Trichloropropane	U		0.00244	0.0189	1	06/13/2024 03:37	WG2304049
1,2,4-Trimethylbenzene	0.0869		0.00238	0.00754	1	06/13/2024 03:37	WG2304049
1,2,3-Trimethylbenzene	0.0228		0.00238	0.00754	1	06/13/2024 03:37	WG2304049
1,3,5-Trimethylbenzene	0.0269		0.00302	0.00754	1	06/13/2024 03:37	WG2304049
Vinyl chloride	U		0.00175	0.00377	1	06/13/2024 03:37	WG2304049
Xylenes, Total	0.0637		0.00133	0.00980	1	06/13/2024 03:37	WG2304049
(S) Toluene-d8	*100*			*75.0-131*		*06/13/2024 03:37*	WG2304049
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/13/2024 03:37*	WG2304049
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*		*06/13/2024 03:37*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.65	J	0.894	4.88	1	06/14/2024 18:06	WG2304127
C22-C32 Hydrocarbons	6.33		1.62	4.88	1	06/14/2024 18:06	WG2304127
C32-C40 Hydrocarbons	4.21	J	1.62	4.88	1	06/14/2024 18:06	WG2304127
(S) o-Terphenyl	*73.4*			*18.0-148*		*06/14/2024 18:06*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0132	0.0813	2	06/14/2024 00:13	WG2304128
Acenaphthylene	U		0.0114	0.0813	2	06/14/2024 00:13	WG2304128
Anthracene	U		0.0145	0.0813	2	06/14/2024 00:13	WG2304128
Benzidine	U		0.153	4.08	2	06/14/2024 00:13	WG2304128
Benzo(a)anthracene	U		0.0143	0.0813	2	06/14/2024 00:13	WG2304128
Benzo(b)fluoranthene	U		0.0151	0.0813	2	06/14/2024 00:13	WG2304128
Benzo(k)fluoranthene	U		0.0144	0.0813	2	06/14/2024 00:13	WG2304128
Benzo(g,h,i)perylene	U		0.0149	0.0813	2	06/14/2024 00:13	WG2304128
Benzo(a)pyrene	U		0.0151	0.0813	2	06/14/2024 00:13	WG2304128
Bis(2-chlorethoxy)methane	U		0.0244	0.813	2	06/14/2024 00:13	WG2304128
Bis(2-chloroethyl)ether	U		0.0268	0.813	2	06/14/2024 00:13	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0351	0.813	2	06/14/2024 00:13	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Bromophenyl-phenylether	U		0.0286	0.813	2	06/14/2024 00:13	WG2304128
2-Chloronaphthalene	U		0.0143	0.0813	2	06/14/2024 00:13	WG2304128
4-Chlorophenyl-phenylether	U		0.0283	0.813	2	06/14/2024 00:13	WG2304128
Chrysene	U		0.0161	0.0813	2	06/14/2024 00:13	WG2304128
Dibenz(a,h)anthracene	U		0.0226	0.0813	2	06/14/2024 00:13	WG2304128
1,2-Dichlorobenzene	U		0.0240	0.813	2	06/14/2024 00:13	WG2304128
1,3-Dichlorobenzene	U		0.0246	0.813	2	06/14/2024 00:13	WG2304128
1,4-Dichlorobenzene	U		0.0242	0.813	2	06/14/2024 00:13	WG2304128
3,3-Dichlorobenzidine	U		0.0300	0.813	2	06/14/2024 00:13	WG2304128
2,4-Dinitrotoluene	U		0.0233	0.813	2	06/14/2024 00:13	WG2304128
2,6-Dinitrotoluene	U		0.0266	0.813	2	06/14/2024 00:13	WG2304128
Fluoranthene	U		0.0146	0.0813	2	06/14/2024 00:13	WG2304128
Fluorene	U		0.0132	0.0813	2	06/14/2024 00:13	WG2304128
Hexachlorobenzene	U		0.0288	0.813	2	06/14/2024 00:13	WG2304128
Hexachloro-1,3-butadiene	U		0.0273	0.813	2	06/14/2024 00:13	WG2304128
Hexachlorocyclopentadiene	U	J3 J6	0.0427	0.813	2	06/14/2024 00:13	WG2304128
Hexachloroethane	U		0.0320	0.813	2	06/14/2024 00:13	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0229	0.0813	2	06/14/2024 00:13	WG2304128
Isophorone	U		0.0249	0.813	2	06/14/2024 00:13	WG2304128
Naphthalene	U		0.0204	0.0813	2	06/14/2024 00:13	WG2304128
Nitrobenzene	U		0.0283	0.813	2	06/14/2024 00:13	WG2304128
n-Nitrosodimethylamine	U		0.121	0.813	2	06/14/2024 00:13	WG2304128
n-Nitrosodiphenylamine	U		0.0615	0.813	2	06/14/2024 00:13	WG2304128
n-Nitrosodi-n-propylamine	U		0.0271	0.813	2	06/14/2024 00:13	WG2304128
Phenanthrene	U		0.0161	0.0813	2	06/14/2024 00:13	WG2304128
Benzylbutyl phthalate	U		0.0254	0.813	2	06/14/2024 00:13	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.103	0.813	2	06/14/2024 00:13	WG2304128
Di-n-butyl phthalate	U		0.0278	0.813	2	06/14/2024 00:13	WG2304128
Diethyl phthalate	U		0.0268	0.813	2	06/14/2024 00:13	WG2304128
Dimethyl phthalate	U		0.172	0.813	2	06/14/2024 00:13	WG2304128
Di-n-octyl phthalate	U		0.0549	0.813	2	06/14/2024 00:13	WG2304128
Pyrene	U		0.0159	0.0813	2	06/14/2024 00:13	WG2304128
1,2,4-Trichlorobenzene	U		0.0254	0.813	2	06/14/2024 00:13	WG2304128
4-Chloro-3-methylphenol	U		0.0264	0.813	2	06/14/2024 00:13	WG2304128
2-Chlorophenol	U		0.0268	0.813	2	06/14/2024 00:13	WG2304128
2,4-Dichlorophenol	U		0.0237	0.813	2	06/14/2024 00:13	WG2304128
2,4-Dimethylphenol	U		0.0212	0.813	2	06/14/2024 00:13	WG2304128
4,6-Dinitro-2-methylphenol	U		0.184	0.813	2	06/14/2024 00:13	WG2304128
2,4-Dinitrophenol	U	J3 J6	0.190	0.813	2	06/14/2024 00:13	WG2304128
2-Nitrophenol	U		0.0290	0.813	2	06/14/2024 00:13	WG2304128
4-Nitrophenol	U		0.0254	0.813	2	06/14/2024 00:13	WG2304128
Pentachlorophenol	U		0.0218	0.813	2	06/14/2024 00:13	WG2304128
Phenol	U		0.0327	0.813	2	06/14/2024 00:13	WG2304128
2,4,6-Trichlorophenol	U		0.0261	0.813	2	06/14/2024 00:13	WG2304128
(S) 2-Fluorophenol	*64.8*			*12.0-120*		*06/14/2024 00:13*	WG2304128
(S) Phenol-d5	*61.1*			*10.0-120*		*06/14/2024 00:13*	WG2304128
(S) Nitrobenzene-d5	*58.6*			*10.0-122*		*06/14/2024 00:13*	WG2304128
(S) 2-Fluorobiphenyl	*66.8*			*15.0-120*		*06/14/2024 00:13*	WG2304128
(S) 2,4,6-Tribromophenol	*54.9*			*10.0-127*		*06/14/2024 00:13*	WG2304128
(S) p-Terphenyl-d14	*67.7*			*10.0-120*		*06/14/2024 00:13*	WG2304128

Sample Narrative:

L1741921-39 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.6		1	06/03/2024 15:32	WG2297636

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.22	3.68	25	06/06/2024 01:39	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/06/2024 01:39*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0537	0.0736	1	06/11/2024 22:57	WG2303115
Acrylonitrile	U		0.00532	0.0184	1	06/11/2024 22:57	WG2303115
Benzene	U		0.000688	0.00147	1	06/11/2024 22:57	WG2303115
Bromobenzene	U		0.00133	0.0184	1	06/11/2024 22:57	WG2303115
Bromodichloromethane	U		0.00107	0.00368	1	06/11/2024 22:57	WG2303115
Bromoform	U		0.00172	0.0368	1	06/11/2024 22:57	WG2303115
Bromomethane	U		0.00290	0.0184	1	06/11/2024 22:57	WG2303115
n-Butylbenzene	U		0.00773	0.0184	1	06/11/2024 22:57	WG2303115
sec-Butylbenzene	U		0.00424	0.0184	1	06/11/2024 22:57	WG2303115
tert-Butylbenzene	U		0.00287	0.00736	1	06/11/2024 22:57	WG2303115
Carbon tetrachloride	U		0.00132	0.00736	1	06/11/2024 22:57	WG2303115
Chlorobenzene	U		0.000309	0.00368	1	06/11/2024 22:57	WG2303115
Chlorodibromomethane	U		0.000901	0.00368	1	06/11/2024 22:57	WG2303115
Chloroethane	U		0.00250	0.00736	1	06/11/2024 22:57	WG2303115
Chloroform	U		0.00152	0.00368	1	06/11/2024 22:57	WG2303115
Chloromethane	U		0.00640	0.0184	1	06/11/2024 22:57	WG2303115
2-Chlorotoluene	U		0.00127	0.00368	1	06/11/2024 22:57	WG2303115
4-Chlorotoluene	U		0.000663	0.00736	1	06/11/2024 22:57	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00574	0.0368	1	06/11/2024 22:57	WG2303115
1,2-Dibromoethane	U		0.000954	0.00368	1	06/11/2024 22:57	WG2303115
Dibromomethane	U		0.00110	0.00736	1	06/11/2024 22:57	WG2303115
1,2-Dichlorobenzene	U		0.000626	0.00736	1	06/11/2024 22:57	WG2303115
1,3-Dichlorobenzene	U		0.000883	0.00736	1	06/11/2024 22:57	WG2303115
1,4-Dichlorobenzene	U		0.00103	0.00736	1	06/11/2024 22:57	WG2303115
Dichlorodifluoromethane	U		0.00237	0.00736	1	06/11/2024 22:57	WG2303115
1,1-Dichloroethane	U		0.000723	0.00368	1	06/11/2024 22:57	WG2303115
1,2-Dichloroethane	U		0.000956	0.00368	1	06/11/2024 22:57	WG2303115
1,1-Dichloroethene	U		0.000892	0.00368	1	06/11/2024 22:57	WG2303115
cis-1,2-Dichloroethene	U		0.00108	0.00368	1	06/11/2024 22:57	WG2303115
trans-1,2-Dichloroethene	U		0.00153	0.00736	1	06/11/2024 22:57	WG2303115
1,2-Dichloropropane	U		0.00209	0.00736	1	06/11/2024 22:57	WG2303115
1,1-Dichloropropene	U		0.00119	0.00368	1	06/11/2024 22:57	WG2303115
1,3-Dichloropropane	U		0.000738	0.00736	1	06/11/2024 22:57	WG2303115
cis-1,3-Dichloropropene	U		0.00111	0.00368	1	06/11/2024 22:57	WG2303115
trans-1,3-Dichloropropene	U		0.00168	0.00736	1	06/11/2024 22:57	WG2303115
2,2-Dichloropropane	U		0.00203	0.00368	1	06/11/2024 22:57	WG2303115
Di-isopropyl ether	U		0.000604	0.00147	1	06/11/2024 22:57	WG2303115
Ethylbenzene	U		0.00109	0.00368	1	06/11/2024 22:57	WG2303115
Hexachloro-1,3-butadiene	U		0.00883	0.0368	1	06/11/2024 22:57	WG2303115
Isopropylbenzene	U		0.000626	0.00368	1	06/11/2024 22:57	WG2303115
p-Isopropyltoluene	U		0.00375	0.00736	1	06/11/2024 22:57	WG2303115
2-Butanone (MEK)	U	J3	0.0935	0.147	1	06/11/2024 22:57	WG2303115
Methylene Chloride	U		0.00978	0.0368	1	06/11/2024 22:57	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00336	0.0368	1	06/11/2024 22:57	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000515	0.00147	1	06/11/2024 22:57	WG2303115
Naphthalene	U		0.00719	0.0184	1	06/11/2024 22:57	WG2303115
n-Propylbenzene	U		0.00140	0.00736	1	06/11/2024 22:57	WG2303115
Styrene	U		0.000337	0.0184	1	06/11/2024 22:57	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00140	0.00368	1	06/11/2024 22:57	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00102	0.00368	1	06/11/2024 22:57	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00111	0.00368	1	06/11/2024 22:57	WG2303115
Tetrachloroethene	U		0.00132	0.00368	1	06/11/2024 22:57	WG2303115
Toluene	U		0.00191	0.00736	1	06/11/2024 22:57	WG2303115
1,2,3-Trichlorobenzene	U		0.0108	0.0184	1	06/11/2024 22:57	WG2303115
1,2,4-Trichlorobenzene	U		0.00648	0.0184	1	06/11/2024 22:57	WG2303115
1,1,1-Trichloroethane	U		0.00136	0.00368	1	06/11/2024 22:57	WG2303115
1,1,2-Trichloroethane	U		0.000879	0.00368	1	06/11/2024 22:57	WG2303115
Trichloroethene	U		0.000860	0.00147	1	06/11/2024 22:57	WG2303115
Trichlorofluoromethane	U		0.00122	0.00368	1	06/11/2024 22:57	WG2303115
1,2,3-Trichloropropane	U	J4	0.00239	0.0184	1	06/11/2024 22:57	WG2303115
1,2,4-Trimethylbenzene	U		0.00233	0.00736	1	06/11/2024 22:57	WG2303115
1,2,3-Trimethylbenzene	U		0.00233	0.00736	1	06/11/2024 22:57	WG2303115
1,3,5-Trimethylbenzene	U		0.00294	0.00736	1	06/11/2024 22:57	WG2303115
Vinyl chloride	U		0.00171	0.00368	1	06/11/2024 22:57	WG2303115
Xylenes, Total	U		0.00130	0.00957	1	06/11/2024 22:57	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/11/2024 22:57*	WG2303115
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/11/2024 22:57*	WG2303115
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*06/11/2024 22:57*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.887	4.84	1	06/13/2024 11:15	WG2303234
C22-C32 Hydrocarbons	U		1.61	4.84	1	06/13/2024 11:15	WG2303234
C32-C40 Hydrocarbons	U		1.61	4.84	1	06/13/2024 11:15	WG2303234
(S) o-Terphenyl	*40.5*			*18.0-148*		*06/13/2024 11:15*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.27	3.83	25	06/13/2024 12:27	WG2304284
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*06/13/2024 12:27*	WG2304284

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0559	0.0765	1	06/13/2024 03:56	WG2304049
Acrylonitrile	U		0.00553	0.0191	1	06/13/2024 03:56	WG2304049
Benzene	U		0.000715	0.00153	1	06/13/2024 03:56	WG2304049
Bromobenzene	U		0.00138	0.0191	1	06/13/2024 03:56	WG2304049
Bromodichloromethane	U		0.00111	0.00383	1	06/13/2024 03:56	WG2304049
Bromoform	U		0.00179	0.0383	1	06/13/2024 03:56	WG2304049
Bromomethane	U		0.00302	0.0191	1	06/13/2024 03:56	WG2304049
n-Butylbenzene	U		0.00804	0.0191	1	06/13/2024 03:56	WG2304049
sec-Butylbenzene	U		0.00441	0.0191	1	06/13/2024 03:56	WG2304049
tert-Butylbenzene	U		0.00299	0.00765	1	06/13/2024 03:56	WG2304049
Carbon tetrachloride	U		0.00137	0.00765	1	06/13/2024 03:56	WG2304049
Chlorobenzene	U		0.000321	0.00383	1	06/13/2024 03:56	WG2304049
Chlorodibromomethane	U		0.000937	0.00383	1	06/13/2024 03:56	WG2304049
Chloroethane	U		0.00260	0.00765	1	06/13/2024 03:56	WG2304049
Chloroform	U		0.00158	0.00383	1	06/13/2024 03:56	WG2304049
Chloromethane	U		0.00666	0.0191	1	06/13/2024 03:56	WG2304049
2-Chlorotoluene	U		0.00132	0.00383	1	06/13/2024 03:56	WG2304049
4-Chlorotoluene	U		0.000689	0.00765	1	06/13/2024 03:56	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00597	0.0383	1	06/13/2024 03:56	WG2304049
1,2-Dibromoethane	U		0.000992	0.00383	1	06/13/2024 03:56	WG2304049
Dibromomethane	U		0.00115	0.00765	1	06/13/2024 03:56	WG2304049
1,2-Dichlorobenzene	U		0.000651	0.00765	1	06/13/2024 03:56	WG2304049
1,3-Dichlorobenzene	U		0.000918	0.00765	1	06/13/2024 03:56	WG2304049
1,4-Dichlorobenzene	U		0.00107	0.00765	1	06/13/2024 03:56	WG2304049
Dichlorodifluoromethane	U		0.00246	0.00765	1	06/13/2024 03:56	WG2304049
1,1-Dichloroethane	U		0.000752	0.00383	1	06/13/2024 03:56	WG2304049
1,2-Dichloroethane	U		0.000993	0.00383	1	06/13/2024 03:56	WG2304049
1,1-Dichloroethene	U		0.000928	0.00383	1	06/13/2024 03:56	WG2304049
cis-1,2-Dichloroethene	U		0.00112	0.00383	1	06/13/2024 03:56	WG2304049
trans-1,2-Dichloroethene	U		0.00159	0.00765	1	06/13/2024 03:56	WG2304049
1,2-Dichloropropane	U		0.00217	0.00765	1	06/13/2024 03:56	WG2304049
1,1-Dichloropropene	U		0.00124	0.00383	1	06/13/2024 03:56	WG2304049
1,3-Dichloropropane	U		0.000767	0.00765	1	06/13/2024 03:56	WG2304049
cis-1,3-Dichloropropene	U		0.00116	0.00383	1	06/13/2024 03:56	WG2304049
trans-1,3-Dichloropropene	U		0.00175	0.00765	1	06/13/2024 03:56	WG2304049
2,2-Dichloropropane	U		0.00211	0.00383	1	06/13/2024 03:56	WG2304049
Di-isopropyl ether	U		0.000628	0.00153	1	06/13/2024 03:56	WG2304049
Ethylbenzene	U		0.00113	0.00383	1	06/13/2024 03:56	WG2304049
Hexachloro-1,3-butadiene	U		0.00918	0.0383	1	06/13/2024 03:56	WG2304049
Isopropylbenzene	U		0.000651	0.00383	1	06/13/2024 03:56	WG2304049
p-Isopropyltoluene	U		0.00390	0.00765	1	06/13/2024 03:56	WG2304049
2-Butanone (MEK)	U		0.0972	0.153	1	06/13/2024 03:56	WG2304049
Methylene Chloride	U		0.0102	0.0383	1	06/13/2024 03:56	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00349	0.0383	1	06/13/2024 03:56	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000536	0.00153	1	06/13/2024 03:56	WG2304049
Naphthalene	U	J3	0.00747	0.0191	1	06/13/2024 03:56	WG2304049
n-Propylbenzene	U		0.00145	0.00765	1	06/13/2024 03:56	WG2304049
Styrene	U		0.000351	0.0191	1	06/13/2024 03:56	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00145	0.00383	1	06/13/2024 03:56	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00106	0.00383	1	06/13/2024 03:56	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00383	1	06/13/2024 03:56	WG2304049
Tetrachloroethene	U		0.00137	0.00383	1	06/13/2024 03:56	WG2304049
Toluene	U		0.00199	0.00765	1	06/13/2024 03:56	WG2304049
1,2,3-Trichlorobenzene	U		0.0112	0.0191	1	06/13/2024 03:56	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00674	0.0191	1	06/13/2024 03:56	WG2304049
1,1,1-Trichloroethane	U		0.00141	0.00383	1	06/13/2024 03:56	WG2304049
1,1,2-Trichloroethane	U		0.000914	0.00383	1	06/13/2024 03:56	WG2304049
Trichloroethene	U		0.000894	0.00153	1	06/13/2024 03:56	WG2304049
Trichlorofluoromethane	U		0.00127	0.00383	1	06/13/2024 03:56	WG2304049
1,2,3-Trichloropropane	U		0.00248	0.0191	1	06/13/2024 03:56	WG2304049
1,2,4-Trimethylbenzene	U		0.00242	0.00765	1	06/13/2024 03:56	WG2304049
1,2,3-Trimethylbenzene	U		0.00242	0.00765	1	06/13/2024 03:56	WG2304049
1,3,5-Trimethylbenzene	U		0.00306	0.00765	1	06/13/2024 03:56	WG2304049
Vinyl chloride	U		0.00178	0.00383	1	06/13/2024 03:56	WG2304049
Xylenes, Total	U		0.00135	0.00995	1	06/13/2024 03:56	WG2304049
(S) Toluene-d8	*102*			*75.0-131*		*06/13/2024 03:56*	WG2304049
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/13/2024 03:56*	WG2304049
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*06/13/2024 03:56*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.905	4.94	1	06/14/2024 01:46	WG2304127
C22-C32 Hydrocarbons	U		1.64	4.94	1	06/14/2024 01:46	WG2304127
C32-C40 Hydrocarbons	U		1.64	4.94	1	06/14/2024 01:46	WG2304127
(S) o-Terphenyl	*60.7*			*18.0-148*		*06/14/2024 01:46*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00666	0.0411	1	06/13/2024 20:25	WG2304128
Acenaphthylene	U		0.00579	0.0411	1	06/13/2024 20:25	WG2304128
Anthracene	U		0.00733	0.0411	1	06/13/2024 20:25	WG2304128
Benzidine	U		0.0773	2.06	1	06/13/2024 20:25	WG2304128
Benzo(a)anthracene	U		0.00725	0.0411	1	06/13/2024 20:25	WG2304128
Benzo(b)fluoranthene	U		0.00767	0.0411	1	06/13/2024 20:25	WG2304128
Benzo(k)fluoranthene	U		0.00731	0.0411	1	06/13/2024 20:25	WG2304128
Benzo(g,h,i)perylene	U		0.00752	0.0411	1	06/13/2024 20:25	WG2304128
Benzo(a)pyrene	U		0.00765	0.0411	1	06/13/2024 20:25	WG2304128
Bis(2-chlorethoxy)methane	U		0.0124	0.411	1	06/13/2024 20:25	WG2304128
Bis(2-chloroethyl)ether	U		0.0136	0.411	1	06/13/2024 20:25	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0178	0.411	1	06/13/2024 20:25	WG2304128
4-Bromophenyl-phenylether	U		0.0145	0.411	1	06/13/2024 20:25	WG2304128
2-Chloronaphthalene	U		0.00723	0.0411	1	06/13/2024 20:25	WG2304128
4-Chlorophenyl-phenylether	U		0.0143	0.411	1	06/13/2024 20:25	WG2304128
Chrysene	U		0.00818	0.0411	1	06/13/2024 20:25	WG2304128
Dibenz(a,h)anthracene	U		0.0114	0.0411	1	06/13/2024 20:25	WG2304128
1,2-Dichlorobenzene	U		0.0122	0.411	1	06/13/2024 20:25	WG2304128
1,3-Dichlorobenzene	U		0.0125	0.411	1	06/13/2024 20:25	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0122	0.411	1	06/13/2024 20:25	WG2304128
3,3-Dichlorobenzidine	U		0.0152	0.411	1	06/13/2024 20:25	WG2304128
2,4-Dinitrotoluene	U		0.0118	0.411	1	06/13/2024 20:25	WG2304128
2,6-Dinitrotoluene	U		0.0135	0.411	1	06/13/2024 20:25	WG2304128
Fluoranthene	U		0.00742	0.0411	1	06/13/2024 20:25	WG2304128
Fluorene	U		0.00670	0.0411	1	06/13/2024 20:25	WG2304128
Hexachlorobenzene	U		0.0146	0.411	1	06/13/2024 20:25	WG2304128
Hexachloro-1,3-butadiene	U		0.0138	0.411	1	06/13/2024 20:25	WG2304128
Hexachlorocyclopentadiene	U		0.0216	0.411	1	06/13/2024 20:25	WG2304128
Hexachloroethane	U		0.0162	0.411	1	06/13/2024 20:25	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0116	0.0411	1	06/13/2024 20:25	WG2304128
Isophorone	U		0.0126	0.411	1	06/13/2024 20:25	WG2304128
Naphthalene	U		0.0103	0.0411	1	06/13/2024 20:25	WG2304128
Nitrobenzene	U		0.0143	0.411	1	06/13/2024 20:25	WG2304128
n-Nitrosodimethylamine	U		0.0610	0.411	1	06/13/2024 20:25	WG2304128
n-Nitrosodiphenylamine	U		0.0311	0.411	1	06/13/2024 20:25	WG2304128
n-Nitrosodi-n-propylamine	U		0.0137	0.411	1	06/13/2024 20:25	WG2304128
Phenanthrene	U		0.00817	0.0411	1	06/13/2024 20:25	WG2304128
Benzylbutyl phthalate	U		0.0128	0.411	1	06/13/2024 20:25	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0521	0.411	1	06/13/2024 20:25	WG2304128
Di-n-butyl phthalate	U		0.0141	0.411	1	06/13/2024 20:25	WG2304128
Diethyl phthalate	U		0.0136	0.411	1	06/13/2024 20:25	WG2304128
Dimethyl phthalate	U		0.0872	0.411	1	06/13/2024 20:25	WG2304128
Di-n-octyl phthalate	U		0.0278	0.411	1	06/13/2024 20:25	WG2304128
Pyrene	U		0.00800	0.0411	1	06/13/2024 20:25	WG2304128
1,2,4-Trichlorobenzene	U		0.0128	0.411	1	06/13/2024 20:25	WG2304128
4-Chloro-3-methylphenol	U		0.0133	0.411	1	06/13/2024 20:25	WG2304128
2-Chlorophenol	U		0.0136	0.411	1	06/13/2024 20:25	WG2304128
2,4-Dichlorophenol	U		0.0120	0.411	1	06/13/2024 20:25	WG2304128
2,4-Dimethylphenol	U		0.0107	0.411	1	06/13/2024 20:25	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0933	0.411	1	06/13/2024 20:25	WG2304128
2,4-Dinitrophenol	U		0.0962	0.411	1	06/13/2024 20:25	WG2304128
2-Nitrophenol	U		0.0147	0.411	1	06/13/2024 20:25	WG2304128
4-Nitrophenol	U		0.0128	0.411	1	06/13/2024 20:25	WG2304128
Pentachlorophenol	U		0.0111	0.411	1	06/13/2024 20:25	WG2304128
Phenol	U		0.0166	0.411	1	06/13/2024 20:25	WG2304128
2,4,6-Trichlorophenol	U		0.0132	0.411	1	06/13/2024 20:25	WG2304128
(S) 2-Fluorophenol	*57.8*			*12.0-120*		*06/13/2024 20:25*	WG2304128
(S) Phenol-d5	*51.3*			*10.0-120*		*06/13/2024 20:25*	WG2304128
(S) Nitrobenzene-d5	*53.3*			*10.0-122*		*06/13/2024 20:25*	WG2304128
(S) 2-Fluorobiphenyl	*58.4*			*15.0-120*		*06/13/2024 20:25*	WG2304128
(S) 2,4,6-Tribromophenol	*43.5*			*10.0-127*		*06/13/2024 20:25*	WG2304128
(S) p-Terphenyl-d14	*56.2*			*10.0-120*		*06/13/2024 20:25*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	06/03/2024 15:32	WG2297636

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0655	0.0898	1	06/11/2024 23:16	WG2303115
Acrylonitrile	U		0.00648	0.0224	1	06/11/2024 23:16	WG2303115
Benzene	U		0.000838	0.00180	1	06/11/2024 23:16	WG2303115
Bromobenzene	U		0.00162	0.0224	1	06/11/2024 23:16	WG2303115
Bromodichloromethane	U		0.00130	0.00449	1	06/11/2024 23:16	WG2303115
Bromoform	U		0.00210	0.0449	1	06/11/2024 23:16	WG2303115
Bromomethane	U		0.00354	0.0224	1	06/11/2024 23:16	WG2303115
n-Butylbenzene	U		0.00942	0.0224	1	06/11/2024 23:16	WG2303115
sec-Butylbenzene	U		0.00517	0.0224	1	06/11/2024 23:16	WG2303115
tert-Butylbenzene	U		0.00350	0.00898	1	06/11/2024 23:16	WG2303115
Carbon tetrachloride	U		0.00161	0.00898	1	06/11/2024 23:16	WG2303115
Chlorobenzene	U		0.000377	0.00449	1	06/11/2024 23:16	WG2303115
Chlorodibromomethane	U		0.00110	0.00449	1	06/11/2024 23:16	WG2303115
Chloroethane	U		0.00305	0.00898	1	06/11/2024 23:16	WG2303115
Chloroform	U		0.00185	0.00449	1	06/11/2024 23:16	WG2303115
Chloromethane	U		0.00781	0.0224	1	06/11/2024 23:16	WG2303115
2-Chlorotoluene	U		0.00155	0.00449	1	06/11/2024 23:16	WG2303115
4-Chlorotoluene	U		0.000808	0.00898	1	06/11/2024 23:16	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00700	0.0449	1	06/11/2024 23:16	WG2303115
1,2-Dibromoethane	U		0.00116	0.00449	1	06/11/2024 23:16	WG2303115
Dibromomethane	U		0.00135	0.00898	1	06/11/2024 23:16	WG2303115
1,2-Dichlorobenzene	U		0.000763	0.00898	1	06/11/2024 23:16	WG2303115
1,3-Dichlorobenzene	U		0.00108	0.00898	1	06/11/2024 23:16	WG2303115
1,4-Dichlorobenzene	U		0.00126	0.00898	1	06/11/2024 23:16	WG2303115
Dichlorodifluoromethane	U		0.00289	0.00898	1	06/11/2024 23:16	WG2303115
1,1-Dichloroethane	U		0.000881	0.00449	1	06/11/2024 23:16	WG2303115
1,2-Dichloroethane	U		0.00117	0.00449	1	06/11/2024 23:16	WG2303115
1,1-Dichloroethene	U		0.00109	0.00449	1	06/11/2024 23:16	WG2303115
cis-1,2-Dichloroethene	U		0.00132	0.00449	1	06/11/2024 23:16	WG2303115
trans-1,2-Dichloroethene	U		0.00187	0.00898	1	06/11/2024 23:16	WG2303115
1,2-Dichloropropane	U		0.00255	0.00898	1	06/11/2024 23:16	WG2303115
1,1-Dichloropropene	U		0.00145	0.00449	1	06/11/2024 23:16	WG2303115
1,3-Dichloropropane	U		0.000899	0.00898	1	06/11/2024 23:16	WG2303115
cis-1,3-Dichloropropene	U		0.00136	0.00449	1	06/11/2024 23:16	WG2303115
trans-1,3-Dichloropropene	U		0.00205	0.00898	1	06/11/2024 23:16	WG2303115
2,2-Dichloropropane	U		0.00248	0.00449	1	06/11/2024 23:16	WG2303115
Di-isopropyl ether	U		0.000736	0.00180	1	06/11/2024 23:16	WG2303115
Ethylbenzene	U		0.00132	0.00449	1	06/11/2024 23:16	WG2303115
Hexachloro-1,3-butadiene	U		0.0108	0.0449	1	06/11/2024 23:16	WG2303115
Isopropylbenzene	U		0.000763	0.00449	1	06/11/2024 23:16	WG2303115
p-Isopropyltoluene	U		0.00458	0.00898	1	06/11/2024 23:16	WG2303115
2-Butanone (MEK)	U	J3	0.114	0.180	1	06/11/2024 23:16	WG2303115
Methylene Chloride	U		0.0119	0.0449	1	06/11/2024 23:16	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00409	0.0449	1	06/11/2024 23:16	WG2303115
Methyl tert-butyl ether	0.00147	J	0.000628	0.00180	1	06/11/2024 23:16	WG2303115
Naphthalene	U		0.00876	0.0224	1	06/11/2024 23:16	WG2303115
n-Propylbenzene	U		0.00171	0.00898	1	06/11/2024 23:16	WG2303115
Styrene	U		0.000411	0.0224	1	06/11/2024 23:16	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00170	0.00449	1	06/11/2024 23:16	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00125	0.00449	1	06/11/2024 23:16	WG2303115

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	J3	0.00135	0.00449	1	06/11/2024 23:16	WG2303115
Tetrachloroethene	U		0.00161	0.00449	1	06/11/2024 23:16	WG2303115
Toluene	U		0.00233	0.00898	1	06/11/2024 23:16	WG2303115
1,2,3-Trichlorobenzene	U		0.0132	0.0224	1	06/11/2024 23:16	WG2303115
1,2,4-Trichlorobenzene	U		0.00790	0.0224	1	06/11/2024 23:16	WG2303115
1,1,1-Trichloroethane	U		0.00166	0.00449	1	06/11/2024 23:16	WG2303115
1,1,2-Trichloroethane	U		0.00107	0.00449	1	06/11/2024 23:16	WG2303115
Trichloroethene	U		0.00105	0.00180	1	06/11/2024 23:16	WG2303115
Trichlorofluoromethane	U		0.00148	0.00449	1	06/11/2024 23:16	WG2303115
1,2,3-Trichloropropane	U	J4	0.00291	0.0224	1	06/11/2024 23:16	WG2303115
1,2,4-Trimethylbenzene	U		0.00284	0.00898	1	06/11/2024 23:16	WG2303115
1,2,3-Trimethylbenzene	U		0.00284	0.00898	1	06/11/2024 23:16	WG2303115
1,3,5-Trimethylbenzene	U		0.00359	0.00898	1	06/11/2024 23:16	WG2303115
Vinyl chloride	U		0.00208	0.00449	1	06/11/2024 23:16	WG2303115
Xylenes, Total	U		0.00158	0.0117	1	06/11/2024 23:16	WG2303115
(S) Toluene-d8	*104*			*75.0-131*		*06/11/2024 23:16*	WG2303115
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/11/2024 23:16*	WG2303115
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/11/2024 23:16*	WG2303115

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0515		0.0190	0.0422	1	06/05/2024 19:19	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	15.9		0.575	2.11	1	06/09/2024 19:44	WG2299939
Arsenic	6.80		0.547	2.11	1	06/09/2024 19:44	WG2299939
Barium	118		0.0900	0.528	1	06/09/2024 19:44	WG2299939
Beryllium	0.727		0.0333	0.211	1	06/09/2024 19:44	WG2299939
Cadmium	U		0.0497	0.528	1	06/09/2024 19:44	WG2299939
Chromium	22.3		0.140	1.06	1	06/09/2024 19:44	WG2299939
Cobalt	5.26		0.0856	1.06	1	06/09/2024 19:44	WG2299939
Copper	23.7		0.422	2.11	1	06/09/2024 19:44	WG2299939
Lead	13.2		0.220	0.528	1	06/09/2024 19:44	WG2299939
Molybdenum	0.360	J	0.115	0.528	1	06/09/2024 19:44	WG2299939
Nickel	22.4		0.139	2.11	1	06/09/2024 19:44	WG2299939
Selenium	2.70		0.807	2.11	1	06/09/2024 19:44	WG2299939
Silver	1.06		0.134	1.06	1	06/10/2024 09:51	WG2299939
Thallium	U		0.416	2.11	1	06/09/2024 19:44	WG2299939
Vanadium	100		0.534	2.11	1	06/09/2024 19:44	WG2299939
Zinc	41.1		0.879	5.28	1	06/09/2024 19:44	WG2299939

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0359	1	06/13/2024 12:52	WG2303247
PCB 1221	U		0.0125	0.0359	1	06/13/2024 12:52	WG2303247
PCB 1232	U		0.0125	0.0359	1	06/13/2024 12:52	WG2303247
PCB 1242	U		0.0125	0.0359	1	06/13/2024 12:52	WG2303247
PCB 1248	U		0.00779	0.0180	1	06/13/2024 12:52	WG2303247
PCB 1254	U		0.00779	0.0180	1	06/13/2024 12:52	WG2303247
PCB 1260	U		0.00779	0.0180	1	06/13/2024 12:52	WG2303247
(S) Decachlorobiphenyl	*67.7*			*10.0-135*		*06/13/2024 12:52*	WG2303247
(S) Tetrachloro-m-xylene	*59.6*			*10.0-139*		*06/13/2024 12:52*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00569	0.0352	1	06/13/2024 23:05	WG2303251
Acenaphthylene	U		0.00495	0.0352	1	06/13/2024 23:05	WG2303251
Anthracene	U		0.00626	0.0352	1	06/13/2024 23:05	WG2303251
Benzidine	U		0.0661	1.76	1	06/13/2024 23:05	WG2303251
Benzo(a)anthracene	U		0.00620	0.0352	1	06/13/2024 23:05	WG2303251
Benzo(b)fluoranthene	U		0.00656	0.0352	1	06/13/2024 23:05	WG2303251
Benzo(k)fluoranthene	U		0.00625	0.0352	1	06/13/2024 23:05	WG2303251
Benzo(g,h,i)perylene	U		0.00643	0.0352	1	06/13/2024 23:05	WG2303251
Benzo(a)pyrene	U		0.00654	0.0352	1	06/13/2024 23:05	WG2303251
Bis(2-chlorethoxy)methane	U		0.0106	0.352	1	06/13/2024 23:05	WG2303251
Bis(2-chloroethyl)ether	U		0.0116	0.352	1	06/13/2024 23:05	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0152	0.352	1	06/13/2024 23:05	WG2303251
4-Bromophenyl-phenylether	U		0.0124	0.352	1	06/13/2024 23:05	WG2303251
2-Chloronaphthalene	U		0.00618	0.0352	1	06/13/2024 23:05	WG2303251
4-Chlorophenyl-phenylether	U		0.0123	0.352	1	06/13/2024 23:05	WG2303251
Chrysene	U		0.00699	0.0352	1	06/13/2024 23:05	WG2303251
Dibenz(a,h)anthracene	U		0.00975	0.0352	1	06/13/2024 23:05	WG2303251
1,2-Dichlorobenzene	U		0.0104	0.352	1	06/13/2024 23:05	WG2303251
1,3-Dichlorobenzene	U		0.0107	0.352	1	06/13/2024 23:05	WG2303251
1,4-Dichlorobenzene	U		0.0105	0.352	1	06/13/2024 23:05	WG2303251
3,3-Dichlorobenzidine	U		0.0130	0.352	1	06/13/2024 23:05	WG2303251
2,4-Dinitrotoluene	U		0.0101	0.352	1	06/13/2024 23:05	WG2303251
2,6-Dinitrotoluene	U		0.0115	0.352	1	06/13/2024 23:05	WG2303251
Fluoranthene	U		0.00635	0.0352	1	06/13/2024 23:05	WG2303251
Fluorene	U		0.00572	0.0352	1	06/13/2024 23:05	WG2303251
Hexachlorobenzene	U		0.0125	0.352	1	06/13/2024 23:05	WG2303251
Hexachloro-1,3-butadiene	U		0.0118	0.352	1	06/13/2024 23:05	WG2303251
Hexachlorocyclopentadiene	U		0.0185	0.352	1	06/13/2024 23:05	WG2303251
Hexachloroethane	U		0.0138	0.352	1	06/13/2024 23:05	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.00994	0.0352	1	06/13/2024 23:05	WG2303251
Isophorone	U		0.0108	0.352	1	06/13/2024 23:05	WG2303251
Naphthalene	U		0.00883	0.0352	1	06/13/2024 23:05	WG2303251
Nitrobenzene	U		0.0123	0.352	1	06/13/2024 23:05	WG2303251
n-Nitrosodimethylamine	U		0.0522	0.352	1	06/13/2024 23:05	WG2303251
n-Nitrosodiphenylamine	U		0.0266	0.352	1	06/13/2024 23:05	WG2303251
n-Nitrosodi-n-propylamine	U		0.0117	0.352	1	06/13/2024 23:05	WG2303251
Phenanthrene	U		0.00698	0.0352	1	06/13/2024 23:05	WG2303251
Benzylbutyl phthalate	U		0.0110	0.352	1	06/13/2024 23:05	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0446	0.352	1	06/13/2024 23:05	WG2303251
Di-n-butyl phthalate	U		0.0120	0.352	1	06/13/2024 23:05	WG2303251
Diethyl phthalate	U		0.0116	0.352	1	06/13/2024 23:05	WG2303251
Dimethyl phthalate	U		0.0746	0.352	1	06/13/2024 23:05	WG2303251
Di-n-octyl phthalate	U		0.0238	0.352	1	06/13/2024 23:05	WG2303251
Pyrene	U		0.00684	0.0352	1	06/13/2024 23:05	WG2303251
1,2,4-Trichlorobenzene	U		0.0110	0.352	1	06/13/2024 23:05	WG2303251
4-Chloro-3-methylphenol	U		0.0114	0.352	1	06/13/2024 23:05	WG2303251
2-Chlorophenol	U		0.0116	0.352	1	06/13/2024 23:05	WG2303251
2,4-Dichlorophenol	U		0.0102	0.352	1	06/13/2024 23:05	WG2303251
2,4-Dimethylphenol	U		0.00919	0.352	1	06/13/2024 23:05	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0797	0.352	1	06/13/2024 23:05	WG2303251
2,4-Dinitrophenol	U		0.0823	0.352	1	06/13/2024 23:05	WG2303251
2-Nitrophenol	U		0.0126	0.352	1	06/13/2024 23:05	WG2303251
4-Nitrophenol	U		0.0110	0.352	1	06/13/2024 23:05	WG2303251
Pentachlorophenol	U		0.00946	0.352	1	06/13/2024 23:05	WG2303251
Phenol	U		0.0142	0.352	1	06/13/2024 23:05	WG2303251
2,4,6-Trichlorophenol	U		0.0113	0.352	1	06/13/2024 23:05	WG2303251
(S) 2-Fluorophenol	*65.0*			*12.0-120*		*06/13/2024 23:05*	WG2303251
(S) Phenol-d5	*60.3*			*10.0-120*		*06/13/2024 23:05*	WG2303251
(S) Nitrobenzene-d5	*47.4*			*10.0-122*		*06/13/2024 23:05*	WG2303251
(S) 2-Fluorobiphenyl	*57.4*			*15.0-120*		*06/13/2024 23:05*	WG2303251
(S) 2,4,6-Tribromophenol	*58.2*			*10.0-127*		*06/13/2024 23:05*	WG2303251
(S) p-Terphenyl-d14	*63.2*			*10.0-120*		*06/13/2024 23:05*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0284	J	0.0193	0.0429	1	06/05/2024 19:22	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.36		0.584	2.15	1	06/09/2024 19:46	WG2299939
Arsenic	31.5		0.556	2.15	1	06/09/2024 19:46	WG2299939
Barium	905		0.0914	0.537	1	06/09/2024 19:46	WG2299939
Beryllium	0.326		0.0338	0.215	1	06/09/2024 19:46	WG2299939
Cadmium	2.09		0.0506	0.537	1	06/09/2024 19:46	WG2299939
Chromium	29.2		0.143	1.07	1	06/09/2024 19:46	WG2299939
Cobalt	7.69		0.0870	1.07	1	06/09/2024 19:46	WG2299939
Copper	71.8		0.429	2.15	1	06/09/2024 19:46	WG2299939
Lead	99.9		0.223	0.537	1	06/09/2024 19:46	WG2299939
Molybdenum	1.04		0.117	0.537	1	06/09/2024 19:46	WG2299939
Nickel	32.9		0.142	2.15	1	06/09/2024 19:46	WG2299939
Selenium	3.37		0.820	2.15	1	06/09/2024 19:46	WG2299939
Silver	U		0.136	1.07	1	06/10/2024 09:53	WG2299939
Thallium	U		0.423	2.15	1	06/09/2024 19:46	WG2299939
Vanadium	50.8		0.543	2.15	1	06/09/2024 19:46	WG2299939
Zinc	243		0.893	5.37	1	06/09/2024 19:46	WG2299939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0419	0.0574	1	06/11/2024 23:35	WG2303115
Acrylonitrile	U		0.00414	0.0143	1	06/11/2024 23:35	WG2303115
Benzene	U		0.000536	0.00115	1	06/11/2024 23:35	WG2303115
Bromobenzene	U		0.00103	0.0143	1	06/11/2024 23:35	WG2303115
Bromodichloromethane	U		0.000832	0.00287	1	06/11/2024 23:35	WG2303115
Bromoform	U		0.00134	0.0287	1	06/11/2024 23:35	WG2303115
Bromomethane	U		0.00226	0.0143	1	06/11/2024 23:35	WG2303115
n-Butylbenzene	U		0.00603	0.0143	1	06/11/2024 23:35	WG2303115
sec-Butylbenzene	U		0.00331	0.0143	1	06/11/2024 23:35	WG2303115
tert-Butylbenzene	U		0.00224	0.00574	1	06/11/2024 23:35	WG2303115
Carbon tetrachloride	U		0.00103	0.00574	1	06/11/2024 23:35	WG2303115
Chlorobenzene	U		0.000241	0.00287	1	06/11/2024 23:35	WG2303115
Chlorodibromomethane	U		0.000703	0.00287	1	06/11/2024 23:35	WG2303115
Chloroethane	U		0.00195	0.00574	1	06/11/2024 23:35	WG2303115
Chloroform	U		0.00118	0.00287	1	06/11/2024 23:35	WG2303115
Chloromethane	U		0.00499	0.0143	1	06/11/2024 23:35	WG2303115
2-Chlorotoluene	U		0.000993	0.00287	1	06/11/2024 23:35	WG2303115
4-Chlorotoluene	U		0.000517	0.00574	1	06/11/2024 23:35	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00448	0.0287	1	06/11/2024 23:35	WG2303115
1,2-Dibromoethane	U		0.000744	0.00287	1	06/11/2024 23:35	WG2303115
Dibromomethane	U		0.000861	0.00574	1	06/11/2024 23:35	WG2303115
1,2-Dichlorobenzene	U		0.000488	0.00574	1	06/11/2024 23:35	WG2303115
1,3-Dichlorobenzene	U		0.000689	0.00574	1	06/11/2024 23:35	WG2303115
1,4-Dichlorobenzene	U		0.000804	0.00574	1	06/11/2024 23:35	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00185	0.00574	1	06/11/2024 23:35	WG2303115
1,1-Dichloroethane	U		0.000564	0.00287	1	06/11/2024 23:35	WG2303115
1,2-Dichloroethane	U		0.000745	0.00287	1	06/11/2024 23:35	WG2303115
1,1-Dichloroethene	U		0.000696	0.00287	1	06/11/2024 23:35	WG2303115
cis-1,2-Dichloroethene	U		0.000843	0.00287	1	06/11/2024 23:35	WG2303115
trans-1,2-Dichloroethene	U		0.00119	0.00574	1	06/11/2024 23:35	WG2303115
1,2-Dichloropropane	U		0.00163	0.00574	1	06/11/2024 23:35	WG2303115
1,1-Dichloropropene	U		0.000929	0.00287	1	06/11/2024 23:35	WG2303115
1,3-Dichloropropane	U		0.000575	0.00574	1	06/11/2024 23:35	WG2303115
cis-1,3-Dichloropropene	U		0.000869	0.00287	1	06/11/2024 23:35	WG2303115
trans-1,3-Dichloropropene	U		0.00131	0.00574	1	06/11/2024 23:35	WG2303115
2,2-Dichloropropane	U		0.00158	0.00287	1	06/11/2024 23:35	WG2303115
Di-isopropyl ether	U		0.000471	0.00115	1	06/11/2024 23:35	WG2303115
Ethylbenzene	U		0.000846	0.00287	1	06/11/2024 23:35	WG2303115
Hexachloro-1,3-butadiene	U		0.00689	0.0287	1	06/11/2024 23:35	WG2303115
Isopropylbenzene	U		0.000488	0.00287	1	06/11/2024 23:35	WG2303115
p-Isopropyltoluene	U		0.00293	0.00574	1	06/11/2024 23:35	WG2303115
2-Butanone (MEK)	U	J3	0.0729	0.115	1	06/11/2024 23:35	WG2303115
Methylene Chloride	U		0.00762	0.0287	1	06/11/2024 23:35	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00262	0.0287	1	06/11/2024 23:35	WG2303115
Methyl tert-butyl ether	U		0.000402	0.00115	1	06/11/2024 23:35	WG2303115
Naphthalene	U		0.00560	0.0143	1	06/11/2024 23:35	WG2303115
n-Propylbenzene	U		0.00109	0.00574	1	06/11/2024 23:35	WG2303115
Styrene	U		0.000263	0.0143	1	06/11/2024 23:35	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00109	0.00287	1	06/11/2024 23:35	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000798	0.00287	1	06/11/2024 23:35	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.000866	0.00287	1	06/11/2024 23:35	WG2303115
Tetrachloroethene	U		0.00103	0.00287	1	06/11/2024 23:35	WG2303115
Toluene	0.00217	J	0.00149	0.00574	1	06/11/2024 23:35	WG2303115
1,2,3-Trichlorobenzene	U		0.00841	0.0143	1	06/11/2024 23:35	WG2303115
1,2,4-Trichlorobenzene	U		0.00505	0.0143	1	06/11/2024 23:35	WG2303115
1,1,1-Trichloroethane	0.00855		0.00106	0.00287	1	06/11/2024 23:35	WG2303115
1,1,2-Trichloroethane	U		0.000685	0.00287	1	06/11/2024 23:35	WG2303115
Trichloroethene	U		0.000670	0.00115	1	06/11/2024 23:35	WG2303115
Trichlorofluoromethane	U		0.000949	0.00287	1	06/11/2024 23:35	WG2303115
1,2,3-Trichloropropane	U	J4	0.00186	0.0143	1	06/11/2024 23:35	WG2303115
1,2,4-Trimethylbenzene	U		0.00181	0.00574	1	06/11/2024 23:35	WG2303115
1,2,3-Trimethylbenzene	U		0.00181	0.00574	1	06/11/2024 23:35	WG2303115
1,3,5-Trimethylbenzene	U		0.00230	0.00574	1	06/11/2024 23:35	WG2303115
Vinyl chloride	U		0.00133	0.00287	1	06/11/2024 23:35	WG2303115
Xylenes, Total	U		0.00101	0.00746	1	06/11/2024 23:35	WG2303115
(S) Toluene-d8	*103*			*75.0-131*		*06/11/2024 23:35*	WG2303115
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/11/2024 23:35*	WG2303115
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*06/11/2024 23:35*	WG2303115

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00579	0.0357	1	06/13/2024 20:14	WG2303251
Acenaphthylene	U		0.00503	0.0357	1	06/13/2024 20:14	WG2303251
Anthracene	U		0.00636	0.0357	1	06/13/2024 20:14	WG2303251
Benzidine	U		0.0672	1.79	1	06/13/2024 20:14	WG2303251
Benzo(a)anthracene	U		0.00630	0.0357	1	06/13/2024 20:14	WG2303251
Benzo(b)fluoranthene	U		0.00667	0.0357	1	06/13/2024 20:14	WG2303251
Benzo(k)fluoranthene	U		0.00635	0.0357	1	06/13/2024 20:14	WG2303251
Benzo(g,h,i)perylene	U		0.00654	0.0357	1	06/13/2024 20:14	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00664	0.0357	1	06/13/2024 20:14	WG2303251
Bis(2-chlorethoxy)methane	U		0.0107	0.357	1	06/13/2024 20:14	WG2303251
Bis(2-chloroethyl)ether	U		0.0118	0.357	1	06/13/2024 20:14	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0155	0.357	1	06/13/2024 20:14	WG2303251
4-Bromophenyl-phenylether	U		0.0126	0.357	1	06/13/2024 20:14	WG2303251
2-Chloronaphthalene	U		0.00628	0.0357	1	06/13/2024 20:14	WG2303251
4-Chlorophenyl-phenylether	U		0.0125	0.357	1	06/13/2024 20:14	WG2303251
Chrysene	U		0.00711	0.0357	1	06/13/2024 20:14	WG2303251
Dibenz(a,h)anthracene	U		0.00991	0.0357	1	06/13/2024 20:14	WG2303251
1,2-Dichlorobenzene	U		0.0106	0.357	1	06/13/2024 20:14	WG2303251
1,3-Dichlorobenzene	U		0.0108	0.357	1	06/13/2024 20:14	WG2303251
1,4-Dichlorobenzene	U		0.0106	0.357	1	06/13/2024 20:14	WG2303251
3,3-Dichlorobenzidine	U		0.0132	0.357	1	06/13/2024 20:14	WG2303251
2,4-Dinitrotoluene	U		0.0103	0.357	1	06/13/2024 20:14	WG2303251
2,6-Dinitrotoluene	U		0.0117	0.357	1	06/13/2024 20:14	WG2303251
Fluoranthene	U		0.00645	0.0357	1	06/13/2024 20:14	WG2303251
Fluorene	U		0.00582	0.0357	1	06/13/2024 20:14	WG2303251
Hexachlorobenzene	U		0.0127	0.357	1	06/13/2024 20:14	WG2303251
Hexachloro-1,3-butadiene	U		0.0120	0.357	1	06/13/2024 20:14	WG2303251
Hexachlorocyclopentadiene	U		0.0188	0.357	1	06/13/2024 20:14	WG2303251
Hexachloroethane	U		0.0141	0.357	1	06/13/2024 20:14	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0101	0.0357	1	06/13/2024 20:14	WG2303251
Isophorone	U		0.0109	0.357	1	06/13/2024 20:14	WG2303251
Naphthalene	U		0.00897	0.0357	1	06/13/2024 20:14	WG2303251
Nitrobenzene	U		0.0125	0.357	1	06/13/2024 20:14	WG2303251
n-Nitrosodimethylamine	U		0.0530	0.357	1	06/13/2024 20:14	WG2303251
n-Nitrosodiphenylamine	U		0.0270	0.357	1	06/13/2024 20:14	WG2303251
n-Nitrosodi-n-propylamine	U		0.0119	0.357	1	06/13/2024 20:14	WG2303251
Phenanthrene	U		0.00709	0.0357	1	06/13/2024 20:14	WG2303251
Benzylbutyl phthalate	U		0.0112	0.357	1	06/13/2024 20:14	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0453	0.357	1	06/13/2024 20:14	WG2303251
Di-n-butyl phthalate	U		0.0122	0.357	1	06/13/2024 20:14	WG2303251
Diethyl phthalate	U		0.0118	0.357	1	06/13/2024 20:14	WG2303251
Dimethyl phthalate	U		0.0758	0.357	1	06/13/2024 20:14	WG2303251
Di-n-octyl phthalate	U		0.0241	0.357	1	06/13/2024 20:14	WG2303251
Pyrene	U		0.00696	0.0357	1	06/13/2024 20:14	WG2303251
1,2,4-Trichlorobenzene	U		0.0112	0.357	1	06/13/2024 20:14	WG2303251
4-Chloro-3-methylphenol	U		0.0116	0.357	1	06/13/2024 20:14	WG2303251
2-Chlorophenol	U		0.0118	0.357	1	06/13/2024 20:14	WG2303251
2,4-Dichlorophenol	U		0.0104	0.357	1	06/13/2024 20:14	WG2303251
2,4-Dimethylphenol	U		0.00934	0.357	1	06/13/2024 20:14	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0810	0.357	1	06/13/2024 20:14	WG2303251
2,4-Dinitrophenol	U		0.0836	0.357	1	06/13/2024 20:14	WG2303251
2-Nitrophenol	U		0.0128	0.357	1	06/13/2024 20:14	WG2303251
4-Nitrophenol	U		0.0112	0.357	1	06/13/2024 20:14	WG2303251
Pentachlorophenol	U		0.00962	0.357	1	06/13/2024 20:14	WG2303251
Phenol	U		0.0144	0.357	1	06/13/2024 20:14	WG2303251
2,4,6-Trichlorophenol	U		0.0115	0.357	1	06/13/2024 20:14	WG2303251
(S) 2-Fluorophenol	*78.9*			*12.0-120*		*06/13/2024 20:14*	WG2303251
(S) Phenol-d5	*75.0*			*10.0-120*		*06/13/2024 20:14*	WG2303251
(S) Nitrobenzene-d5	*60.2*			*10.0-122*		*06/13/2024 20:14*	WG2303251
(S) 2-Fluorobiphenyl	*70.7*			*15.0-120*		*06/13/2024 20:14*	WG2303251
(S) 2,4,6-Tribromophenol	*71.9*			*10.0-127*		*06/13/2024 20:14*	WG2303251
(S) p-Terphenyl-d14	*80.6*			*10.0-120*		*06/13/2024 20:14*	WG2303251

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0225	J	0.0212	0.0471	1	06/05/2024 19:24	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.56		0.641	2.36	1	06/09/2024 08:52	WG2299945
Arsenic	59.5		0.610	2.36	1	06/09/2024 08:52	WG2299945
Barium	1550		0.100	0.589	1	06/09/2024 08:52	WG2299945
Beryllium	0.291		0.0371	0.236	1	06/09/2024 08:52	WG2299945
Cadmium	6.09		0.0555	0.589	1	06/09/2024 08:52	WG2299945
Chromium	52.0		0.157	1.18	1	06/09/2024 08:52	WG2299945
Cobalt	43.3		0.0956	1.18	1	06/09/2024 08:52	WG2299945
Copper	82.2		0.471	2.36	1	06/09/2024 08:52	WG2299945
Lead	150		0.245	0.589	1	06/09/2024 08:52	WG2299945
Molybdenum	1.48		0.128	0.589	1	06/09/2024 08:52	WG2299945
Nickel	104		0.156	2.36	1	06/09/2024 08:52	WG2299945
Selenium	4.43		0.900	2.36	1	06/09/2024 08:52	WG2299945
Silver	0.437	B J	0.150	1.18	1	06/09/2024 08:52	WG2299945
Thallium	U		0.464	2.36	1	06/09/2024 08:52	WG2299945
Vanadium	59.2		0.596	2.36	1	06/09/2024 08:52	WG2299945
Zinc	283		0.980	5.89	1	06/09/2024 08:52	WG2299945

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.21	J	1.13	3.42	25	06/06/2024 02:00	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*06/06/2024 02:00*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0499	0.0684	1	06/11/2024 23:54	WG2303115
Acrylonitrile	U		0.00494	0.0171	1	06/11/2024 23:54	WG2303115
Benzene	U		0.000639	0.00137	1	06/11/2024 23:54	WG2303115
Bromobenzene	U		0.00123	0.0171	1	06/11/2024 23:54	WG2303115
Bromodichloromethane	U		0.000991	0.00342	1	06/11/2024 23:54	WG2303115
Bromoform	U		0.00160	0.0342	1	06/11/2024 23:54	WG2303115
Bromomethane	U		0.00269	0.0171	1	06/11/2024 23:54	WG2303115
n-Butylbenzene	U		0.00718	0.0171	1	06/11/2024 23:54	WG2303115
sec-Butylbenzene	U		0.00394	0.0171	1	06/11/2024 23:54	WG2303115
tert-Butylbenzene	U		0.00267	0.00684	1	06/11/2024 23:54	WG2303115
Carbon tetrachloride	U		0.00123	0.00684	1	06/11/2024 23:54	WG2303115
Chlorobenzene	U		0.000287	0.00342	1	06/11/2024 23:54	WG2303115
Chlorodibromomethane	U		0.000837	0.00342	1	06/11/2024 23:54	WG2303115
Chloroethane	U		0.00232	0.00684	1	06/11/2024 23:54	WG2303115
Chloroform	U		0.00141	0.00342	1	06/11/2024 23:54	WG2303115
Chloromethane	U		0.00595	0.0171	1	06/11/2024 23:54	WG2303115
2-Chlorotoluene	U		0.00118	0.00342	1	06/11/2024 23:54	WG2303115
4-Chlorotoluene	U		0.000615	0.00684	1	06/11/2024 23:54	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00533	0.0342	1	06/11/2024 23:54	WG2303115
1,2-Dibromoethane	U		0.000886	0.00342	1	06/11/2024 23:54	WG2303115
Dibromomethane	U		0.00103	0.00684	1	06/11/2024 23:54	WG2303115
1,2-Dichlorobenzene	U		0.000581	0.00684	1	06/11/2024 23:54	WG2303115
1,3-Dichlorobenzene	U		0.000820	0.00684	1	06/11/2024 23:54	WG2303115
1,4-Dichlorobenzene	U		0.000957	0.00684	1	06/11/2024 23:54	WG2303115
Dichlorodifluoromethane	U		0.00220	0.00684	1	06/11/2024 23:54	WG2303115
1,1-Dichloroethane	U		0.000671	0.00342	1	06/11/2024 23:54	WG2303115
1,2-Dichloroethane	U		0.000887	0.00342	1	06/11/2024 23:54	WG2303115
1,1-Dichloroethene	U		0.000829	0.00342	1	06/11/2024 23:54	WG2303115
cis-1,2-Dichloroethene	U		0.00100	0.00342	1	06/11/2024 23:54	WG2303115
trans-1,2-Dichloroethene	U		0.00142	0.00684	1	06/11/2024 23:54	WG2303115
1,2-Dichloropropane	U		0.00194	0.00684	1	06/11/2024 23:54	WG2303115
1,1-Dichloropropene	U		0.00111	0.00342	1	06/11/2024 23:54	WG2303115
1,3-Dichloropropane	U		0.000685	0.00684	1	06/11/2024 23:54	WG2303115
cis-1,3-Dichloropropene	U		0.00104	0.00342	1	06/11/2024 23:54	WG2303115
trans-1,3-Dichloropropene	U		0.00156	0.00684	1	06/11/2024 23:54	WG2303115
2,2-Dichloropropane	U		0.00189	0.00342	1	06/11/2024 23:54	WG2303115
Di-isopropyl ether	U		0.000561	0.00137	1	06/11/2024 23:54	WG2303115
Ethylbenzene	U		0.00101	0.00342	1	06/11/2024 23:54	WG2303115
Hexachloro-1,3-butadiene	U		0.00820	0.0342	1	06/11/2024 23:54	WG2303115
Isopropylbenzene	U		0.000581	0.00342	1	06/11/2024 23:54	WG2303115
p-Isopropyltoluene	U		0.00349	0.00684	1	06/11/2024 23:54	WG2303115
2-Butanone (MEK)	U	J3	0.0868	0.137	1	06/11/2024 23:54	WG2303115
Methylene Chloride	U		0.00908	0.0342	1	06/11/2024 23:54	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00312	0.0342	1	06/11/2024 23:54	WG2303115
Methyl tert-butyl ether	U		0.000479	0.00137	1	06/11/2024 23:54	WG2303115
Naphthalene	U		0.00667	0.0171	1	06/11/2024 23:54	WG2303115
n-Propylbenzene	U		0.00130	0.00684	1	06/11/2024 23:54	WG2303115
Styrene	U		0.000313	0.0171	1	06/11/2024 23:54	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00130	0.00342	1	06/11/2024 23:54	WG2303115
1,1,2,2-Tetrachloroethane	U		0.000950	0.00342	1	06/11/2024 23:54	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00103	0.00342	1	06/11/2024 23:54	WG2303115
Tetrachloroethene	U		0.00123	0.00342	1	06/11/2024 23:54	WG2303115
Toluene	0.00209	J	0.00178	0.00684	1	06/11/2024 23:54	WG2303115
1,2,3-Trichlorobenzene	U		0.0100	0.0171	1	06/11/2024 23:54	WG2303115
1,2,4-Trichlorobenzene	U		0.00602	0.0171	1	06/11/2024 23:54	WG2303115
1,1,1-Trichloroethane	0.0130		0.00126	0.00342	1	06/11/2024 23:54	WG2303115
1,1,2-Trichloroethane	U		0.000816	0.00342	1	06/11/2024 23:54	WG2303115
Trichloroethene	U		0.000799	0.00137	1	06/11/2024 23:54	WG2303115
Trichlorofluoromethane	U		0.00113	0.00342	1	06/11/2024 23:54	WG2303115
1,2,3-Trichloropropane	U	J4	0.00222	0.0171	1	06/11/2024 23:54	WG2303115
1,2,4-Trimethylbenzene	U		0.00216	0.00684	1	06/11/2024 23:54	WG2303115
1,2,3-Trimethylbenzene	U		0.00216	0.00684	1	06/11/2024 23:54	WG2303115
1,3,5-Trimethylbenzene	U		0.00273	0.00684	1	06/11/2024 23:54	WG2303115
Vinyl chloride	U		0.00159	0.00342	1	06/11/2024 23:54	WG2303115
Xylenes, Total	0.00129	J	0.00120	0.00889	1	06/11/2024 23:54	WG2303115
(S) Toluene-d8	*103*			*75.0-131*		*06/11/2024 23:54*	WG2303115
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/11/2024 23:54*	WG2303115
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*06/11/2024 23:54*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		17.3	94.3	20	06/13/2024 20:17	WG2303234
C22-C32 Hydrocarbons	134		31.3	94.3	20	06/13/2024 20:17	WG2303234
C32-C40 Hydrocarbons	153		31.3	94.3	20	06/13/2024 20:17	WG2303234
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*06/13/2024 20:17*	WG2303234

Sample Narrative:

L1741921-45 WG2303234: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00635	0.0392	1	06/13/2024 23:29	WG2303251
Acenaphthylene	U		0.00553	0.0392	1	06/13/2024 23:29	WG2303251
Anthracene	U		0.00699	0.0392	1	06/13/2024 23:29	WG2303251
Benzidine	U		0.0738	1.97	1	06/13/2024 23:29	WG2303251
Benzo(a)anthracene	U		0.00692	0.0392	1	06/13/2024 23:29	WG2303251
Benzo(b)fluoranthene	U		0.00732	0.0392	1	06/13/2024 23:29	WG2303251
Benzo(k)fluoranthene	U		0.00698	0.0392	1	06/13/2024 23:29	WG2303251
Benzo(g,h,i)perylene	U		0.00718	0.0392	1	06/13/2024 23:29	WG2303251
Benzo(a)pyrene	U		0.00729	0.0392	1	06/13/2024 23:29	WG2303251
Bis(2-chlorethoxy)methane	U		0.0118	0.392	1	06/13/2024 23:29	WG2303251
Bis(2-chloroethyl)ether	U		0.0130	0.392	1	06/13/2024 23:29	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0170	0.392	1	06/13/2024 23:29	WG2303251
4-Bromophenyl-phenylether	U		0.0138	0.392	1	06/13/2024 23:29	WG2303251
2-Chloronaphthalene	U		0.00689	0.0392	1	06/13/2024 23:29	WG2303251
4-Chlorophenyl-phenylether	U		0.0137	0.392	1	06/13/2024 23:29	WG2303251
Chrysene	U		0.00780	0.0392	1	06/13/2024 23:29	WG2303251
Dibenz(a,h)anthracene	U		0.0109	0.0392	1	06/13/2024 23:29	WG2303251
1,2-Dichlorobenzene	U		0.0116	0.392	1	06/13/2024 23:29	WG2303251
1,3-Dichlorobenzene	U		0.0119	0.392	1	06/13/2024 23:29	WG2303251
1,4-Dichlorobenzene	U		0.0117	0.392	1	06/13/2024 23:29	WG2303251
3,3-Dichlorobenzidine	U		0.0145	0.392	1	06/13/2024 23:29	WG2303251
2,4-Dinitrotoluene	U		0.0113	0.392	1	06/13/2024 23:29	WG2303251
2,6-Dinitrotoluene	U		0.0128	0.392	1	06/13/2024 23:29	WG2303251
Fluoranthene	U		0.00708	0.0392	1	06/13/2024 23:29	WG2303251
Fluorene	U		0.00639	0.0392	1	06/13/2024 23:29	WG2303251
Hexachlorobenzene	U		0.0139	0.392	1	06/13/2024 23:29	WG2303251
Hexachloro-1,3-butadiene	U		0.0132	0.392	1	06/13/2024 23:29	WG2303251
Hexachlorocyclopentadiene	U		0.0206	0.392	1	06/13/2024 23:29	WG2303251
Hexachloroethane	U		0.0154	0.392	1	06/13/2024 23:29	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0111	0.0392	1	06/13/2024 23:29	WG2303251
Isophorone	U		0.0120	0.392	1	06/13/2024 23:29	WG2303251
Naphthalene	U		0.00985	0.0392	1	06/13/2024 23:29	WG2303251
Nitrobenzene	U		0.0137	0.392	1	06/13/2024 23:29	WG2303251
n-Nitrosodimethylamine	U		0.0582	0.392	1	06/13/2024 23:29	WG2303251
n-Nitrosodiphenylamine	U		0.0297	0.392	1	06/13/2024 23:29	WG2303251
n-Nitrosodi-n-propylamine	U		0.0131	0.392	1	06/13/2024 23:29	WG2303251
Phenanthrene	U		0.00779	0.0392	1	06/13/2024 23:29	WG2303251
Benzylbutyl phthalate	U		0.0123	0.392	1	06/13/2024 23:29	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0497	0.392	1	06/13/2024 23:29	WG2303251
Di-n-butyl phthalate	U		0.0134	0.392	1	06/13/2024 23:29	WG2303251
Diethyl phthalate	U		0.0130	0.392	1	06/13/2024 23:29	WG2303251
Dimethyl phthalate	U		0.0832	0.392	1	06/13/2024 23:29	WG2303251
Di-n-octyl phthalate	U		0.0265	0.392	1	06/13/2024 23:29	WG2303251
Pyrene	U		0.00764	0.0392	1	06/13/2024 23:29	WG2303251
1,2,4-Trichlorobenzene	U		0.0123	0.392	1	06/13/2024 23:29	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0127	0.392	1	06/13/2024 23:29	WG2303251
2-Chlorophenol	U		0.0130	0.392	1	06/13/2024 23:29	WG2303251
2,4-Dichlorophenol	U		0.0114	0.392	1	06/13/2024 23:29	WG2303251
2,4-Dimethylphenol	U		0.0103	0.392	1	06/13/2024 23:29	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0890	0.392	1	06/13/2024 23:29	WG2303251
2,4-Dinitrophenol	U		0.0918	0.392	1	06/13/2024 23:29	WG2303251
2-Nitrophenol	U		0.0140	0.392	1	06/13/2024 23:29	WG2303251
4-Nitrophenol	U		0.0123	0.392	1	06/13/2024 23:29	WG2303251
Pentachlorophenol	U		0.0106	0.392	1	06/13/2024 23:29	WG2303251
Phenol	U		0.0158	0.392	1	06/13/2024 23:29	WG2303251
2,4,6-Trichlorophenol	U		0.0126	0.392	1	06/13/2024 23:29	WG2303251
(S) 2-Fluorophenol	*52.9*			*12.0-120*		*06/13/2024 23:29*	WG2303251
(S) Phenol-d5	*48.8*			*10.0-120*		*06/13/2024 23:29*	WG2303251
(S) Nitrobenzene-d5	*40.5*			*10.0-122*		*06/13/2024 23:29*	WG2303251
(S) 2-Fluorobiphenyl	*48.5*			*15.0-120*		*06/13/2024 23:29*	WG2303251
(S) 2,4,6-Tribromophenol	*48.2*			*10.0-127*		*06/13/2024 23:29*	WG2303251
(S) p-Terphenyl-d14	*53.4*			*10.0-120*		*06/13/2024 23:29*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.2		1	06/13/2024 08:01	WG2304168

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	13.5		0.749	2.89	1	07/01/2024 20:18	WG2315127
Cobalt	12.4		0.117	1.45	1	07/01/2024 20:18	WG2315127
Nickel	56.5		0.191	2.89	1	07/01/2024 20:18	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	5.13	B J	1.83	5.50	30.3	06/13/2024 03:17	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/13/2024 03:17*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0802	0.110	1.21	06/13/2024 04:15	WG2304049
Acrylonitrile	U		0.00793	0.0274	1.21	06/13/2024 04:15	WG2304049
Benzene	U		0.00102	0.00219	1.21	06/13/2024 04:15	WG2304049
Bromobenzene	U		0.00198	0.0274	1.21	06/13/2024 04:15	WG2304049
Bromodichloromethane	U		0.00159	0.00550	1.21	06/13/2024 04:15	WG2304049
Bromoform	U		0.00258	0.0550	1.21	06/13/2024 04:15	WG2304049
Bromomethane	U		0.00432	0.0274	1.21	06/13/2024 04:15	WG2304049
n-Butylbenzene	U		0.0115	0.0274	1.21	06/13/2024 04:15	WG2304049
sec-Butylbenzene	U		0.00631	0.0274	1.21	06/13/2024 04:15	WG2304049
tert-Butylbenzene	U		0.00428	0.0110	1.21	06/13/2024 04:15	WG2304049
Carbon tetrachloride	U		0.00198	0.0110	1.21	06/13/2024 04:15	WG2304049
Chlorobenzene	U		0.000461	0.00550	1.21	06/13/2024 04:15	WG2304049
Chlorodibromomethane	U		0.00134	0.00550	1.21	06/13/2024 04:15	WG2304049
Chloroethane	U		0.00374	0.0110	1.21	06/13/2024 04:15	WG2304049
Chloroform	U		0.00227	0.00550	1.21	06/13/2024 04:15	WG2304049
Chloromethane	U		0.00954	0.0274	1.21	06/13/2024 04:15	WG2304049
2-Chlorotoluene	U		0.00190	0.00550	1.21	06/13/2024 04:15	WG2304049
4-Chlorotoluene	U		0.000987	0.0110	1.21	06/13/2024 04:15	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00856	0.0550	1.21	06/13/2024 04:15	WG2304049
1,2-Dibromoethane	U		0.00142	0.00550	1.21	06/13/2024 04:15	WG2304049
Dibromomethane	U		0.00165	0.0110	1.21	06/13/2024 04:15	WG2304049
1,2-Dichlorobenzene	U		0.000932	0.0110	1.21	06/13/2024 04:15	WG2304049
1,3-Dichlorobenzene	U		0.00132	0.0110	1.21	06/13/2024 04:15	WG2304049
1,4-Dichlorobenzene	U		0.00154	0.0110	1.21	06/13/2024 04:15	WG2304049
Dichlorodifluoromethane	U		0.00354	0.0110	1.21	06/13/2024 04:15	WG2304049
1,1-Dichloroethane	U		0.00108	0.00550	1.21	06/13/2024 04:15	WG2304049
1,2-Dichloroethane	U		0.00142	0.00550	1.21	06/13/2024 04:15	WG2304049
1,1-Dichloroethene	U		0.00133	0.00550	1.21	06/13/2024 04:15	WG2304049
cis-1,2-Dichloroethene	0.00209	J	0.00161	0.00550	1.21	06/13/2024 04:15	WG2304049
trans-1,2-Dichloroethene	U		0.00229	0.0110	1.21	06/13/2024 04:15	WG2304049
1,2-Dichloropropane	U		0.00312	0.0110	1.21	06/13/2024 04:15	WG2304049
1,1-Dichloropropene	U		0.00178	0.00550	1.21	06/13/2024 04:15	WG2304049
1,3-Dichloropropane	U		0.00110	0.0110	1.21	06/13/2024 04:15	WG2304049
cis-1,3-Dichloropropene	U		0.00166	0.00550	1.21	06/13/2024 04:15	WG2304049
trans-1,3-Dichloropropene	U		0.00250	0.0110	1.21	06/13/2024 04:15	WG2304049
2,2-Dichloropropane	U		0.00303	0.00550	1.21	06/13/2024 04:15	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Di-isopropyl ether	U		0.000900	0.00219	1.21	06/13/2024 04:15	WG2304049
Ethylbenzene	U		0.00162	0.00550	1.21	06/13/2024 04:15	WG2304049
Hexachloro-1,3-butadiene	U		0.0132	0.0550	1.21	06/13/2024 04:15	WG2304049
Isopropylbenzene	U		0.000932	0.00550	1.21	06/13/2024 04:15	WG2304049
p-Isopropyltoluene	U		0.00560	0.0110	1.21	06/13/2024 04:15	WG2304049
2-Butanone (MEK)	U		0.139	0.219	1.21	06/13/2024 04:15	WG2304049
Methylene Chloride	U		0.0146	0.0550	1.21	06/13/2024 04:15	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00501	0.0550	1.21	06/13/2024 04:15	WG2304049
Methyl tert-butyl ether	U		0.000767	0.00219	1.21	06/13/2024 04:15	WG2304049
Naphthalene	U	J3	0.0107	0.0274	1.21	06/13/2024 04:15	WG2304049
n-Propylbenzene	U		0.00209	0.0110	1.21	06/13/2024 04:15	WG2304049
Styrene	U		0.000502	0.0274	1.21	06/13/2024 04:15	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00209	0.00550	1.21	06/13/2024 04:15	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00153	0.00550	1.21	06/13/2024 04:15	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00165	0.00550	1.21	06/13/2024 04:15	WG2304049
Tetrachloroethene	U		0.00196	0.00550	1.21	06/13/2024 04:15	WG2304049
Toluene	U		0.00285	0.0110	1.21	06/13/2024 04:15	WG2304049
1,2,3-Trichlorobenzene	U		0.0161	0.0274	1.21	06/13/2024 04:15	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00965	0.0274	1.21	06/13/2024 04:15	WG2304049
1,1,1-Trichloroethane	U		0.00203	0.00550	1.21	06/13/2024 04:15	WG2304049
1,1,2-Trichloroethane	U		0.00131	0.00550	1.21	06/13/2024 04:15	WG2304049
Trichloroethene	U		0.00128	0.00219	1.21	06/13/2024 04:15	WG2304049
Trichlorofluoromethane	U		0.00181	0.00550	1.21	06/13/2024 04:15	WG2304049
1,2,3-Trichloropropane	U		0.00355	0.0274	1.21	06/13/2024 04:15	WG2304049
1,2,4-Trimethylbenzene	U		0.00346	0.0110	1.21	06/13/2024 04:15	WG2304049
1,2,3-Trimethylbenzene	U		0.00346	0.0110	1.21	06/13/2024 04:15	WG2304049
1,3,5-Trimethylbenzene	U		0.00439	0.0110	1.21	06/13/2024 04:15	WG2304049
Vinyl chloride	U		0.00254	0.00550	1.21	06/13/2024 04:15	WG2304049
Xylenes, Total	U		0.00192	0.0143	1.21	06/13/2024 04:15	WG2304049
(S) Toluene-d8	*101*			*75.0-131*		*06/13/2024 04:15*	WG2304049
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/13/2024 04:15*	WG2304049
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*06/13/2024 04:15*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	90.5	J	42.3	231	40	06/14/2024 18:20	WG2304127
C22-C32 Hydrocarbons	451		76.9	231	40	06/14/2024 18:20	WG2304127
C32-C40 Hydrocarbons	318		76.9	231	40	06/14/2024 18:20	WG2304127
(S) o-Terphenyl	*72.9*	J7		*18.0-148*		*06/14/2024 18:20*	WG2304127

Sample Narrative:

L1741921-46 WG2304127: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0929	J	0.0779	0.481	10	06/13/2024 22:51	WG2304128
Acenaphthylene	U		0.0678	0.481	10	06/13/2024 22:51	WG2304128
Anthracene	0.168	J	0.0857	0.481	10	06/13/2024 22:51	WG2304128
Benzidine	U		0.905	24.1	10	06/13/2024 22:51	WG2304128
Benzo(a)anthracene	0.502		0.0848	0.481	10	06/13/2024 22:51	WG2304128
Benzo(b)fluoranthene	0.896		0.0898	0.481	10	06/13/2024 22:51	WG2304128
Benzo(k)fluoranthene	0.306	J	0.0856	0.481	10	06/13/2024 22:51	WG2304128
Benzo(g,h,i)perylene	0.484		0.0880	0.481	10	06/13/2024 22:51	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.705		0.0895	0.481	10	06/13/2024 22:51	WG2304128
Bis(2-chlorethoxy)methane	U		0.145	4.81	10	06/13/2024 22:51	WG2304128
Bis(2-chloroethyl)ether	U		0.159	4.81	10	06/13/2024 22:51	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.208	4.81	10	06/13/2024 22:51	WG2304128
4-Bromophenyl-phenylether	U		0.169	4.81	10	06/13/2024 22:51	WG2304128
2-Chloronaphthalene	U		0.0846	0.481	10	06/13/2024 22:51	WG2304128
4-Chlorophenyl-phenylether	U		0.168	4.81	10	06/13/2024 22:51	WG2304128
Chrysene	0.546		0.0957	0.481	10	06/13/2024 22:51	WG2304128
Dibenz(a,h)anthracene	U		0.133	0.481	10	06/13/2024 22:51	WG2304128
1,2-Dichlorobenzene	U		0.143	4.81	10	06/13/2024 22:51	WG2304128
1,3-Dichlorobenzene	U		0.146	4.81	10	06/13/2024 22:51	WG2304128
1,4-Dichlorobenzene	U		0.143	4.81	10	06/13/2024 22:51	WG2304128
3,3-Dichlorobenzidine	U		0.178	4.81	10	06/13/2024 22:51	WG2304128
2,4-Dinitrotoluene	U		0.138	4.81	10	06/13/2024 22:51	WG2304128
2,6-Dinitrotoluene	U		0.158	4.81	10	06/13/2024 22:51	WG2304128
Fluoranthene	0.821		0.0869	0.481	10	06/13/2024 22:51	WG2304128
Fluorene	U		0.0783	0.481	10	06/13/2024 22:51	WG2304128
Hexachlorobenzene	U		0.171	4.81	10	06/13/2024 22:51	WG2304128
Hexachloro-1,3-butadiene	U		0.162	4.81	10	06/13/2024 22:51	WG2304128
Hexachlorocyclopentadiene	U		0.253	4.81	10	06/13/2024 22:51	WG2304128
Hexachloroethane	U		0.189	4.81	10	06/13/2024 22:51	WG2304128
Indeno(1,2,3-cd)pyrene	0.474	J	0.136	0.481	10	06/13/2024 22:51	WG2304128
Isophorone	U		0.147	4.81	10	06/13/2024 22:51	WG2304128
Naphthalene	U		0.121	0.481	10	06/13/2024 22:51	WG2304128
Nitrobenzene	U		0.168	4.81	10	06/13/2024 22:51	WG2304128
n-Nitrosodimethylamine	U		0.714	4.81	10	06/13/2024 22:51	WG2304128
n-Nitrosodiphenylamine	U		0.364	4.81	10	06/13/2024 22:51	WG2304128
n-Nitrosodi-n-propylamine	U		0.160	4.81	10	06/13/2024 22:51	WG2304128
Phenanthrene	0.617		0.0955	0.481	10	06/13/2024 22:51	WG2304128
Benzylbutyl phthalate	0.314	J	0.150	4.81	10	06/13/2024 22:51	WG2304128
Bis(2-ethylhexyl)phthalate	2.37	J	0.610	4.81	10	06/13/2024 22:51	WG2304128
Di-n-butyl phthalate	U		0.165	4.81	10	06/13/2024 22:51	WG2304128
Diethyl phthalate	U		0.159	4.81	10	06/13/2024 22:51	WG2304128
Dimethyl phthalate	U		1.02	4.81	10	06/13/2024 22:51	WG2304128
Di-n-octyl phthalate	U		0.325	4.81	10	06/13/2024 22:51	WG2304128
Pyrene	1.12		0.0937	0.481	10	06/13/2024 22:51	WG2304128
1,2,4-Trichlorobenzene	U		0.150	4.81	10	06/13/2024 22:51	WG2304128
4-Chloro-3-methylphenol	U		0.156	4.81	10	06/13/2024 22:51	WG2304128
2-Chlorophenol	U		0.159	4.81	10	06/13/2024 22:51	WG2304128
2,4-Dichlorophenol	U		0.140	4.81	10	06/13/2024 22:51	WG2304128
2,4-Dimethylphenol	U		0.126	4.81	10	06/13/2024 22:51	WG2304128
4,6-Dinitro-2-methylphenol	U		1.09	4.81	10	06/13/2024 22:51	WG2304128
2,4-Dinitrophenol	U		1.13	4.81	10	06/13/2024 22:51	WG2304128
2-Nitrophenol	U		0.172	4.81	10	06/13/2024 22:51	WG2304128
4-Nitrophenol	U		0.150	4.81	10	06/13/2024 22:51	WG2304128
Pentachlorophenol	U		0.130	4.81	10	06/13/2024 22:51	WG2304128
Phenol	U		0.194	4.81	10	06/13/2024 22:51	WG2304128
2,4,6-Trichlorophenol	U		0.155	4.81	10	06/13/2024 22:51	WG2304128
(S) 2-Fluorophenol	*61.0*			*12.0-120*		*06/13/2024 22:51*	WG2304128
(S) Phenol-d5	*56.5*			*10.0-120*		*06/13/2024 22:51*	WG2304128
(S) Nitrobenzene-d5	*57.3*			*10.0-122*		*06/13/2024 22:51*	WG2304128
(S) 2-Fluorobiphenyl	*70.0*			*15.0-120*		*06/13/2024 22:51*	WG2304128
(S) 2,4,6-Tribromophenol	*46.9*			*10.0-127*		*06/13/2024 22:51*	WG2304128
(S) p-Terphenyl-d14	*66.6*			*10.0-120*		*06/13/2024 22:51*	WG2304128

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1741921-46 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.0		1	06/03/2024 15:32	WG2297636

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.83	J	1.41	4.24	25.5	06/06/2024 02:22	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/06/2024 02:22*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3 J4	0.0618	0.0847	1.02	06/12/2024 00:13	WG2303115
Acrylonitrile	U		0.00611	0.0213	1.02	06/12/2024 00:13	WG2303115
Benzene	U		0.000791	0.00169	1.02	06/12/2024 00:13	WG2303115
Bromobenzene	U		0.00152	0.0213	1.02	06/12/2024 00:13	WG2303115
Bromodichloromethane	U		0.00123	0.00424	1.02	06/12/2024 00:13	WG2303115
Bromoform	U		0.00198	0.0424	1.02	06/12/2024 00:13	WG2303115
Bromomethane	U		0.00334	0.0213	1.02	06/12/2024 00:13	WG2303115
n-Butylbenzene	U		0.00889	0.0213	1.02	06/12/2024 00:13	WG2303115
sec-Butylbenzene	U		0.00488	0.0213	1.02	06/12/2024 00:13	WG2303115
tert-Butylbenzene	U		0.00331	0.00847	1.02	06/12/2024 00:13	WG2303115
Carbon tetrachloride	U		0.00152	0.00847	1.02	06/12/2024 00:13	WG2303115
Chlorobenzene	U		0.000355	0.00424	1.02	06/12/2024 00:13	WG2303115
Chlorodibromomethane	U		0.00104	0.00424	1.02	06/12/2024 00:13	WG2303115
Chloroethane	U		0.00287	0.00847	1.02	06/12/2024 00:13	WG2303115
Chloroform	U		0.00174	0.00424	1.02	06/12/2024 00:13	WG2303115
Chloromethane	U		0.00737	0.0213	1.02	06/12/2024 00:13	WG2303115
2-Chlorotoluene	U		0.00146	0.00424	1.02	06/12/2024 00:13	WG2303115
4-Chlorotoluene	U		0.000762	0.00847	1.02	06/12/2024 00:13	WG2303115
1,2-Dibromo-3-Chloropropane	U		0.00661	0.0424	1.02	06/12/2024 00:13	WG2303115
1,2-Dibromoethane	U		0.00110	0.00424	1.02	06/12/2024 00:13	WG2303115
Dibromomethane	U		0.00127	0.00847	1.02	06/12/2024 00:13	WG2303115
1,2-Dichlorobenzene	U		0.000719	0.00847	1.02	06/12/2024 00:13	WG2303115
1,3-Dichlorobenzene	U		0.00102	0.00847	1.02	06/12/2024 00:13	WG2303115
1,4-Dichlorobenzene	U		0.00119	0.00847	1.02	06/12/2024 00:13	WG2303115
Dichlorodifluoromethane	U		0.00272	0.00847	1.02	06/12/2024 00:13	WG2303115
1,1-Dichloroethane	U		0.000832	0.00424	1.02	06/12/2024 00:13	WG2303115
1,2-Dichloroethane	U		0.00110	0.00424	1.02	06/12/2024 00:13	WG2303115
1,1-Dichloroethene	U		0.00103	0.00424	1.02	06/12/2024 00:13	WG2303115
cis-1,2-Dichloroethene	U		0.00124	0.00424	1.02	06/12/2024 00:13	WG2303115
trans-1,2-Dichloroethene	U		0.00176	0.00847	1.02	06/12/2024 00:13	WG2303115
1,2-Dichloropropane	U		0.00241	0.00847	1.02	06/12/2024 00:13	WG2303115
1,1-Dichloropropene	U		0.00137	0.00424	1.02	06/12/2024 00:13	WG2303115
1,3-Dichloropropane	U		0.000849	0.00847	1.02	06/12/2024 00:13	WG2303115
cis-1,3-Dichloropropene	U		0.00128	0.00424	1.02	06/12/2024 00:13	WG2303115
trans-1,3-Dichloropropene	U		0.00193	0.00847	1.02	06/12/2024 00:13	WG2303115
2,2-Dichloropropane	U		0.00234	0.00424	1.02	06/12/2024 00:13	WG2303115
Di-isopropyl ether	U		0.000694	0.00169	1.02	06/12/2024 00:13	WG2303115
Ethylbenzene	U		0.00125	0.00424	1.02	06/12/2024 00:13	WG2303115
Hexachloro-1,3-butadiene	U		0.0102	0.0424	1.02	06/12/2024 00:13	WG2303115
Isopropylbenzene	U		0.000719	0.00424	1.02	06/12/2024 00:13	WG2303115
p-Isopropyltoluene	U		0.00432	0.00847	1.02	06/12/2024 00:13	WG2303115
2-Butanone (MEK)	U	J3	0.108	0.169	1.02	06/12/2024 00:13	WG2303115
Methylene Chloride	U		0.0112	0.0424	1.02	06/12/2024 00:13	WG2303115
4-Methyl-2-pentanone (MIBK)	U		0.00387	0.0424	1.02	06/12/2024 00:13	WG2303115

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000593	0.00169	1.02	06/12/2024 00:13	WG2303115
Naphthalene	U		0.00827	0.0213	1.02	06/12/2024 00:13	WG2303115
n-Propylbenzene	U		0.00161	0.00847	1.02	06/12/2024 00:13	WG2303115
Styrene	U		0.000389	0.0213	1.02	06/12/2024 00:13	WG2303115
1,1,1,2-Tetrachloroethane	U		0.00161	0.00424	1.02	06/12/2024 00:13	WG2303115
1,1,2,2-Tetrachloroethane	U		0.00118	0.00424	1.02	06/12/2024 00:13	WG2303115
1,1,2-Trichlorotrifluoroethane	U	J3	0.00128	0.00424	1.02	06/12/2024 00:13	WG2303115
Tetrachloroethene	U		0.00152	0.00424	1.02	06/12/2024 00:13	WG2303115
Toluene	U		0.00221	0.00847	1.02	06/12/2024 00:13	WG2303115
1,2,3-Trichlorobenzene	U		0.0124	0.0213	1.02	06/12/2024 00:13	WG2303115
1,2,4-Trichlorobenzene	U		0.00746	0.0213	1.02	06/12/2024 00:13	WG2303115
1,1,1-Trichloroethane	0.00165	J	0.00156	0.00424	1.02	06/12/2024 00:13	WG2303115
1,1,2-Trichloroethane	U		0.00101	0.00424	1.02	06/12/2024 00:13	WG2303115
Trichloroethene	U		0.000990	0.00169	1.02	06/12/2024 00:13	WG2303115
Trichlorofluoromethane	U		0.00140	0.00424	1.02	06/12/2024 00:13	WG2303115
1,2,3-Trichloropropane	U	J4	0.00274	0.0213	1.02	06/12/2024 00:13	WG2303115
1,2,4-Trimethylbenzene	U		0.00267	0.00847	1.02	06/12/2024 00:13	WG2303115
1,2,3-Trimethylbenzene	U		0.00267	0.00847	1.02	06/12/2024 00:13	WG2303115
1,3,5-Trimethylbenzene	U		0.00339	0.00847	1.02	06/12/2024 00:13	WG2303115
Vinyl chloride	U		0.00196	0.00424	1.02	06/12/2024 00:13	WG2303115
Xylenes, Total	U		0.00149	0.0110	1.02	06/12/2024 00:13	WG2303115
(S) Toluene-d8	*102*			*75.0-131*		*06/12/2024 00:13*	WG2303115
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*06/12/2024 00:13*	WG2303115
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/12/2024 00:13*	WG2303115

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	132		4.90	26.7	5	06/13/2024 14:52	WG2303234
C22-C32 Hydrocarbons	275		8.87	26.7	5	06/13/2024 14:52	WG2303234
C32-C40 Hydrocarbons	124		8.87	26.7	5	06/13/2024 14:52	WG2303234
(S) o-Terphenyl	*69.2*			*18.0-148*		*06/13/2024 14:52*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.137		0.0201	0.0446	1	06/05/2024 19:31	WG2297785

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.95		0.606	2.23	1	06/09/2024 08:54	WG2299945
Arsenic	5.14		0.577	2.23	1	06/09/2024 08:54	WG2299945
Barium	161		0.0949	0.557	1	06/09/2024 08:54	WG2299945
Beryllium	0.186	J	0.0351	0.223	1	06/09/2024 08:54	WG2299945
Cadmium	1.12		0.0525	0.557	1	06/09/2024 08:54	WG2299945
Chromium	26.8		0.148	1.11	1	06/09/2024 08:54	WG2299945
Cobalt	6.54		0.0903	1.11	1	06/09/2024 08:54	WG2299945
Copper	55.8		0.446	2.23	1	06/09/2024 08:54	WG2299945
Lead	244		0.232	0.557	1	06/09/2024 08:54	WG2299945
Molybdenum	1.13		0.121	0.557	1	06/09/2024 08:54	WG2299945
Nickel	25.9		0.147	2.23	1	06/09/2024 08:54	WG2299945
Selenium	U		0.851	2.23	1	06/09/2024 08:54	WG2299945
Silver	0.374	B J	0.141	1.11	1	06/09/2024 08:54	WG2299945
Thallium	U		0.439	2.23	1	06/09/2024 08:54	WG2299945
Vanadium	27.9		0.564	2.23	1	06/09/2024 08:54	WG2299945
Zinc	250		0.927	5.57	1	06/09/2024 08:54	WG2299945

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0131	0.0379	1	06/13/2024 13:01	WG2303247
PCB 1221	U		0.0131	0.0379	1	06/13/2024 13:01	WG2303247
PCB 1232	U		0.0131	0.0379	1	06/13/2024 13:01	WG2303247
PCB 1242	U		0.0131	0.0379	1	06/13/2024 13:01	WG2303247
PCB 1248	U		0.00822	0.0189	1	06/13/2024 13:01	WG2303247
PCB 1254	U		0.00822	0.0189	1	06/13/2024 13:01	WG2303247
PCB 1260	0.0456	P	0.00822	0.0189	1	06/19/2024 01:04	WG2303247
(S) Decachlorobiphenyl	*65.6*			*10.0-135*		*06/19/2024 01:04*	WG2303247
(S) Decachlorobiphenyl	*65.2*			*10.0-135*		*06/13/2024 13:01*	WG2303247
(S) Tetrachloro-m-xylene	*60.7*			*10.0-139*		*06/13/2024 13:01*	WG2303247
(S) Tetrachloro-m-xylene	*62.2*			*10.0-139*		*06/19/2024 01:04*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0120	0.0742	2	06/14/2024 02:21	WG2303251
Acenaphthylene	U		0.0104	0.0742	2	06/14/2024 02:21	WG2303251
Anthracene	U		0.0133	0.0742	2	06/14/2024 02:21	WG2303251
Benzidine	U		0.139	3.72	2	06/14/2024 02:21	WG2303251
Benzo(a)anthracene	U		0.0130	0.0742	2	06/14/2024 02:21	WG2303251
Benzo(b)fluoranthene	0.0174	J	0.0138	0.0742	2	06/14/2024 02:21	WG2303251
Benzo(k)fluoranthene	U		0.0131	0.0742	2	06/14/2024 02:21	WG2303251
Benzo(g,h,i)perylene	U		0.0136	0.0742	2	06/14/2024 02:21	WG2303251
Benzo(a)pyrene	U		0.0138	0.0742	2	06/14/2024 02:21	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0223	0.742	2	06/14/2024 02:21	WG2303251
Bis(2-chloroethyl)ether	U		0.0245	0.742	2	06/14/2024 02:21	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0321	0.742	2	06/14/2024 02:21	WG2303251
4-Bromophenyl-phenylether	U		0.0261	0.742	2	06/14/2024 02:21	WG2303251
2-Chloronaphthalene	U		0.0130	0.0742	2	06/14/2024 02:21	WG2303251
4-Chlorophenyl-phenylether	U		0.0258	0.742	2	06/14/2024 02:21	WG2303251
Chrysene	U		0.0147	0.0742	2	06/14/2024 02:21	WG2303251
Dibenz(a,h)anthracene	U		0.0206	0.0742	2	06/14/2024 02:21	WG2303251
1,2-Dichlorobenzene	U		0.0219	0.742	2	06/14/2024 02:21	WG2303251
1,3-Dichlorobenzene	U		0.0225	0.742	2	06/14/2024 02:21	WG2303251
1,4-Dichlorobenzene	U		0.0221	0.742	2	06/14/2024 02:21	WG2303251
3,3-Dichlorobenzidine	U		0.0274	0.742	2	06/14/2024 02:21	WG2303251
2,4-Dinitrotoluene	U		0.0213	0.742	2	06/14/2024 02:21	WG2303251
2,6-Dinitrotoluene	U		0.0243	0.742	2	06/14/2024 02:21	WG2303251
Fluoranthene	0.0138	J	0.0134	0.0742	2	06/14/2024 02:21	WG2303251
Fluorene	U		0.0120	0.0742	2	06/14/2024 02:21	WG2303251
Hexachlorobenzene	U		0.0263	0.742	2	06/14/2024 02:21	WG2303251
Hexachloro-1,3-butadiene	U		0.0250	0.742	2	06/14/2024 02:21	WG2303251
Hexachlorocyclopentadiene	U		0.0390	0.742	2	06/14/2024 02:21	WG2303251
Hexachloroethane	U		0.0292	0.742	2	06/14/2024 02:21	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0209	0.0742	2	06/14/2024 02:21	WG2303251
Isophorone	U		0.0227	0.742	2	06/14/2024 02:21	WG2303251
Naphthalene	U		0.0186	0.0742	2	06/14/2024 02:21	WG2303251
Nitrobenzene	U		0.0258	0.742	2	06/14/2024 02:21	WG2303251
n-Nitrosodimethylamine	U		0.110	0.742	2	06/14/2024 02:21	WG2303251
n-Nitrosodiphenylamine	U		0.0561	0.742	2	06/14/2024 02:21	WG2303251
n-Nitrosodi-n-propylamine	U		0.0247	0.742	2	06/14/2024 02:21	WG2303251
Phenanthrene	U		0.0147	0.0742	2	06/14/2024 02:21	WG2303251
Benzylbutyl phthalate	U		0.0232	0.742	2	06/14/2024 02:21	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0940	0.742	2	06/14/2024 02:21	WG2303251
Di-n-butyl phthalate	U		0.0254	0.742	2	06/14/2024 02:21	WG2303251
Diethyl phthalate	U		0.0245	0.742	2	06/14/2024 02:21	WG2303251
Dimethyl phthalate	U		0.157	0.742	2	06/14/2024 02:21	WG2303251
Di-n-octyl phthalate	U		0.0501	0.742	2	06/14/2024 02:21	WG2303251
Pyrene	0.0204	J	0.0145	0.0742	2	06/14/2024 02:21	WG2303251
1,2,4-Trichlorobenzene	U		0.0232	0.742	2	06/14/2024 02:21	WG2303251
4-Chloro-3-methylphenol	U		0.0241	0.742	2	06/14/2024 02:21	WG2303251
2-Chlorophenol	U		0.0245	0.742	2	06/14/2024 02:21	WG2303251
2,4-Dichlorophenol	U		0.0216	0.742	2	06/14/2024 02:21	WG2303251
2,4-Dimethylphenol	U		0.0194	0.742	2	06/14/2024 02:21	WG2303251
4,6-Dinitro-2-methylphenol	U		0.168	0.742	2	06/14/2024 02:21	WG2303251
2,4-Dinitrophenol	U		0.174	0.742	2	06/14/2024 02:21	WG2303251
2-Nitrophenol	U		0.0265	0.742	2	06/14/2024 02:21	WG2303251
4-Nitrophenol	U		0.0232	0.742	2	06/14/2024 02:21	WG2303251
Pentachlorophenol	U		0.0199	0.742	2	06/14/2024 02:21	WG2303251
Phenol	U		0.0299	0.742	2	06/14/2024 02:21	WG2303251
2,4,6-Trichlorophenol	U		0.0238	0.742	2	06/14/2024 02:21	WG2303251
(S) 2-Fluorophenol	*69.5*			*12.0-120*		*06/14/2024 02:21*	WG2303251
(S) Phenol-d5	*67.8*			*10.0-120*		*06/14/2024 02:21*	WG2303251
(S) Nitrobenzene-d5	*55.0*			*10.0-122*		*06/14/2024 02:21*	WG2303251
(S) 2-Fluorobiphenyl	*70.9*			*15.0-120*		*06/14/2024 02:21*	WG2303251
(S) 2,4,6-Tribromophenol	*75.3*			*10.0-127*		*06/14/2024 02:21*	WG2303251
(S) p-Terphenyl-d14	*81.4*			*10.0-120*		*06/14/2024 02:21*	WG2303251

Sample Narrative:

L1741921-48 WG2303251: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.151		0.0228	0.0507	1	06/04/2024 09:47	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	3.05		0.689	2.53	1	06/09/2024 08:56	WG2299945
Arsenic	U		0.656	2.53	1	06/09/2024 08:56	WG2299945
Barium	25.4		0.108	0.633	1	06/09/2024 08:56	WG2299945
Beryllium	U		0.0399	0.253	1	06/09/2024 08:56	WG2299945
Cadmium	0.193	J	0.0596	0.633	1	06/09/2024 08:56	WG2299945
Chromium	75.2		0.168	1.27	1	06/09/2024 08:56	WG2299945
Cobalt	24.5		0.103	1.27	1	06/09/2024 08:56	WG2299945
Copper	127		0.507	2.53	1	06/09/2024 08:56	WG2299945
Lead	20.4		0.263	0.633	1	06/09/2024 08:56	WG2299945
Molybdenum	U		0.138	0.633	1	06/09/2024 08:56	WG2299945
Nickel	54.5		0.167	2.53	1	06/09/2024 08:56	WG2299945
Selenium	0.973	J	0.968	2.53	1	06/09/2024 08:56	WG2299945
Silver	1.00	B J	0.161	1.27	1	06/09/2024 08:56	WG2299945
Thallium	U		0.499	2.53	1	06/09/2024 08:56	WG2299945
Vanadium	36.7		0.641	2.53	1	06/09/2024 08:56	WG2299945
Zinc	53.9		1.05	6.33	1	06/09/2024 08:56	WG2299945

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0569	0.0780	1	06/11/2024 19:26	WG2303036
Acrylonitrile	U		0.00563	0.0195	1	06/11/2024 19:26	WG2303036
Benzene	0.00153	J	0.000728	0.00156	1	06/11/2024 19:26	WG2303036
Bromobenzene	U		0.00140	0.0195	1	06/11/2024 19:26	WG2303036
Bromodichloromethane	U		0.00113	0.00390	1	06/11/2024 19:26	WG2303036
Bromoform	U		0.00182	0.0390	1	06/11/2024 19:26	WG2303036
Bromomethane	U		0.00307	0.0195	1	06/11/2024 19:26	WG2303036
n-Butylbenzene	U		0.00819	0.0195	1	06/11/2024 19:26	WG2303036
sec-Butylbenzene	U		0.00449	0.0195	1	06/11/2024 19:26	WG2303036
tert-Butylbenzene	U		0.00304	0.00780	1	06/11/2024 19:26	WG2303036
Carbon tetrachloride	U		0.00140	0.00780	1	06/11/2024 19:26	WG2303036
Chlorobenzene	U		0.000327	0.00390	1	06/11/2024 19:26	WG2303036
Chlorodibromomethane	U		0.000954	0.00390	1	06/11/2024 19:26	WG2303036
Chloroethane	U		0.00265	0.00780	1	06/11/2024 19:26	WG2303036
Chloroform	U		0.00161	0.00390	1	06/11/2024 19:26	WG2303036
Chloromethane	U		0.00678	0.0195	1	06/11/2024 19:26	WG2303036
2-Chlorotoluene	U		0.00135	0.00390	1	06/11/2024 19:26	WG2303036
4-Chlorotoluene	U		0.000702	0.00780	1	06/11/2024 19:26	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00608	0.0390	1	06/11/2024 19:26	WG2303036
1,2-Dibromoethane	U		0.00101	0.00390	1	06/11/2024 19:26	WG2303036
Dibromomethane	U		0.00117	0.00780	1	06/11/2024 19:26	WG2303036
1,2-Dichlorobenzene	U		0.000663	0.00780	1	06/11/2024 19:26	WG2303036
1,3-Dichlorobenzene	U		0.000936	0.00780	1	06/11/2024 19:26	WG2303036
1,4-Dichlorobenzene	U		0.00109	0.00780	1	06/11/2024 19:26	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00251	0.00780	1	06/11/2024 19:26	WG2303036
1,1-Dichloroethane	U		0.000766	0.00390	1	06/11/2024 19:26	WG2303036
1,2-Dichloroethane	U		0.00101	0.00390	1	06/11/2024 19:26	WG2303036
1,1-Dichloroethene	U		0.000945	0.00390	1	06/11/2024 19:26	WG2303036
cis-1,2-Dichloroethene	U		0.00114	0.00390	1	06/11/2024 19:26	WG2303036
trans-1,2-Dichloroethene	U		0.00162	0.00780	1	06/11/2024 19:26	WG2303036
1,2-Dichloropropane	U		0.00221	0.00780	1	06/11/2024 19:26	WG2303036
1,1-Dichloropropene	U		0.00126	0.00390	1	06/11/2024 19:26	WG2303036
1,3-Dichloropropane	U		0.000781	0.00780	1	06/11/2024 19:26	WG2303036
cis-1,3-Dichloropropene	U		0.00118	0.00390	1	06/11/2024 19:26	WG2303036
trans-1,3-Dichloropropene	U		0.00178	0.00780	1	06/11/2024 19:26	WG2303036
2,2-Dichloropropane	U		0.00215	0.00390	1	06/11/2024 19:26	WG2303036
Di-isopropyl ether	U		0.000639	0.00156	1	06/11/2024 19:26	WG2303036
Ethylbenzene	0.00135	J	0.00115	0.00390	1	06/11/2024 19:26	WG2303036
Hexachloro-1,3-butadiene	U		0.00936	0.0390	1	06/11/2024 19:26	WG2303036
Isopropylbenzene	U		0.000663	0.00390	1	06/11/2024 19:26	WG2303036
p-Isopropyltoluene	U		0.00398	0.00780	1	06/11/2024 19:26	WG2303036
2-Butanone (MEK)	U		0.0990	0.156	1	06/11/2024 19:26	WG2303036
Methylene Chloride	U		0.0104	0.0390	1	06/11/2024 19:26	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00356	0.0390	1	06/11/2024 19:26	WG2303036
Methyl tert-butyl ether	U		0.000546	0.00156	1	06/11/2024 19:26	WG2303036
Naphthalene	0.0644		0.00761	0.0195	1	06/11/2024 19:26	WG2303036
n-Propylbenzene	U		0.00148	0.00780	1	06/11/2024 19:26	WG2303036
Styrene	U		0.000357	0.0195	1	06/11/2024 19:26	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00148	0.00390	1	06/11/2024 19:26	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00108	0.00390	1	06/11/2024 19:26	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00390	1	06/11/2024 19:26	WG2303036
Tetrachloroethene	U		0.00140	0.00390	1	06/11/2024 19:26	WG2303036
Toluene	0.00756	J	0.00203	0.00780	1	06/11/2024 19:26	WG2303036
1,2,3-Trichlorobenzene	U		0.0114	0.0195	1	06/11/2024 19:26	WG2303036
1,2,4-Trichlorobenzene	U		0.00686	0.0195	1	06/11/2024 19:26	WG2303036
1,1,1-Trichloroethane	U		0.00144	0.00390	1	06/11/2024 19:26	WG2303036
1,1,2-Trichloroethane	U		0.000931	0.00390	1	06/11/2024 19:26	WG2303036
Trichloroethene	U		0.000911	0.00156	1	06/11/2024 19:26	WG2303036
Trichlorofluoromethane	U		0.00129	0.00390	1	06/11/2024 19:26	WG2303036
1,2,3-Trichloropropane	U		0.00253	0.0195	1	06/11/2024 19:26	WG2303036
1,2,4-Trimethylbenzene	0.00504	J	0.00246	0.00780	1	06/11/2024 19:26	WG2303036
1,2,3-Trimethylbenzene	0.00390	J	0.00246	0.00780	1	06/11/2024 19:26	WG2303036
1,3,5-Trimethylbenzene	U		0.00312	0.00780	1	06/11/2024 19:26	WG2303036
Vinyl chloride	U		0.00181	0.00390	1	06/11/2024 19:26	WG2303036
Xylenes, Total	0.0120		0.00137	0.0101	1	06/11/2024 19:26	WG2303036
(S) Toluene-d8	*101*			*75.0-131*		*06/11/2024 19:26*	WG2303036
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 19:26*	WG2303036
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*06/11/2024 19:26*	WG2303036

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0149	0.0431	1	07/01/2024 23:43	WG2314791
PCB 1221	U		0.0149	0.0431	1	07/01/2024 23:43	WG2314791
PCB 1232	U		0.0149	0.0431	1	07/01/2024 23:43	WG2314791
PCB 1242	U		0.0149	0.0431	1	07/01/2024 23:43	WG2314791
PCB 1248	U		0.00935	0.0215	1	07/01/2024 23:43	WG2314791
PCB 1254	U		0.00935	0.0215	1	07/01/2024 23:43	WG2314791
PCB 1260	0.00969	J	0.00935	0.0215	1	07/01/2024 23:43	WG2314791
(S) Decachlorobiphenyl	*75.9*			*10.0-135*		*07/01/2024 23:43*	WG2314791

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) Tetrachloro-m-xylene	*91.8*			*10.0-139*		*07/01/2024 23:43*	WG2314791

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00683	0.0422	1	06/14/2024 00:18	WG2303251
Acenaphthylene	U		0.00594	0.0422	1	06/14/2024 00:18	WG2303251
Anthracene	U		0.00751	0.0422	1	06/14/2024 00:18	WG2303251
Benzidine	U		0.0793	2.11	1	06/14/2024 00:18	WG2303251
Benzo(a)anthracene	U		0.00743	0.0422	1	06/14/2024 00:18	WG2303251
Benzo(b)fluoranthene	0.00995	J	0.00786	0.0422	1	06/14/2024 00:18	WG2303251
Benzo(k)fluoranthene	U		0.00750	0.0422	1	06/14/2024 00:18	WG2303251
Benzo(g,h,i)perylene	U		0.00771	0.0422	1	06/14/2024 00:18	WG2303251
Benzo(a)pyrene	U		0.00784	0.0422	1	06/14/2024 00:18	WG2303251
Bis(2-chlorethoxy)methane	U		0.0127	0.422	1	06/14/2024 00:18	WG2303251
Bis(2-chloroethyl)ether	U		0.0139	0.422	1	06/14/2024 00:18	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0182	0.422	1	06/14/2024 00:18	WG2303251
4-Bromophenyl-phenylether	U		0.0148	0.422	1	06/14/2024 00:18	WG2303251
2-Chloronaphthalene	U		0.00741	0.0422	1	06/14/2024 00:18	WG2303251
4-Chlorophenyl-phenylether	U		0.0147	0.422	1	06/14/2024 00:18	WG2303251
Chrysene	U		0.00838	0.0422	1	06/14/2024 00:18	WG2303251
Dibenz(a,h)anthracene	U		0.0117	0.0422	1	06/14/2024 00:18	WG2303251
1,2-Dichlorobenzene	U		0.0125	0.422	1	06/14/2024 00:18	WG2303251
1,3-Dichlorobenzene	U		0.0128	0.422	1	06/14/2024 00:18	WG2303251
1,4-Dichlorobenzene	U		0.0126	0.422	1	06/14/2024 00:18	WG2303251
3,3-Dichlorobenzidine	U		0.0156	0.422	1	06/14/2024 00:18	WG2303251
2,4-Dinitrotoluene	U		0.0121	0.422	1	06/14/2024 00:18	WG2303251
2,6-Dinitrotoluene	U		0.0138	0.422	1	06/14/2024 00:18	WG2303251
Fluoranthene	0.0117	J	0.00761	0.0422	1	06/14/2024 00:18	WG2303251
Fluorene	U		0.00686	0.0422	1	06/14/2024 00:18	WG2303251
Hexachlorobenzene	U		0.0149	0.422	1	06/14/2024 00:18	WG2303251
Hexachloro-1,3-butadiene	U		0.0142	0.422	1	06/14/2024 00:18	WG2303251
Hexachlorocyclopentadiene	U		0.0222	0.422	1	06/14/2024 00:18	WG2303251
Hexachloroethane	U		0.0166	0.422	1	06/14/2024 00:18	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0119	0.0422	1	06/14/2024 00:18	WG2303251
Isophorone	U		0.0129	0.422	1	06/14/2024 00:18	WG2303251
Naphthalene	U		0.0106	0.0422	1	06/14/2024 00:18	WG2303251
Nitrobenzene	U		0.0147	0.422	1	06/14/2024 00:18	WG2303251
n-Nitrosodimethylamine	U		0.0626	0.422	1	06/14/2024 00:18	WG2303251
n-Nitrosodiphenylamine	U		0.0319	0.422	1	06/14/2024 00:18	WG2303251
n-Nitrosodi-n-propylamine	U		0.0141	0.422	1	06/14/2024 00:18	WG2303251
Phenanthrene	U		0.00837	0.0422	1	06/14/2024 00:18	WG2303251
Benzylbutyl phthalate	U		0.0132	0.422	1	06/14/2024 00:18	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0534	0.422	1	06/14/2024 00:18	WG2303251
Di-n-butyl phthalate	U		0.0144	0.422	1	06/14/2024 00:18	WG2303251
Diethyl phthalate	U		0.0139	0.422	1	06/14/2024 00:18	WG2303251
Dimethyl phthalate	U		0.0894	0.422	1	06/14/2024 00:18	WG2303251
Di-n-octyl phthalate	U		0.0285	0.422	1	06/14/2024 00:18	WG2303251
Pyrene	0.0121	J	0.00821	0.0422	1	06/14/2024 00:18	WG2303251
1,2,4-Trichlorobenzene	U		0.0132	0.422	1	06/14/2024 00:18	WG2303251
4-Chloro-3-methylphenol	U		0.0137	0.422	1	06/14/2024 00:18	WG2303251
2-Chlorophenol	U		0.0139	0.422	1	06/14/2024 00:18	WG2303251
2,4-Dichlorophenol	U		0.0123	0.422	1	06/14/2024 00:18	WG2303251
2,4-Dimethylphenol	U		0.0110	0.422	1	06/14/2024 00:18	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0956	0.422	1	06/14/2024 00:18	WG2303251
2,4-Dinitrophenol	U		0.0987	0.422	1	06/14/2024 00:18	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Nitrophenol	U		0.0151	0.422	1	06/14/2024 00:18	WG2303251
4-Nitrophenol	U		0.0132	0.422	1	06/14/2024 00:18	WG2303251
Pentachlorophenol	U		0.0113	0.422	1	06/14/2024 00:18	WG2303251
Phenol	U		0.0170	0.422	1	06/14/2024 00:18	WG2303251
2,4,6-Trichlorophenol	U		0.0136	0.422	1	06/14/2024 00:18	WG2303251
(S) 2-Fluorophenol	*65.2*			*12.0-120*		*06/14/2024 00:18*	WG2303251
(S) Phenol-d5	*61.4*			*10.0-120*		*06/14/2024 00:18*	WG2303251
(S) Nitrobenzene-d5	*53.3*			*10.0-122*		*06/14/2024 00:18*	WG2303251
(S) 2-Fluorobiphenyl	*61.8*			*15.0-120*		*06/14/2024 00:18*	WG2303251
(S) 2,4,6-Tribromophenol	*61.0*			*10.0-127*		*06/14/2024 00:18*	WG2303251
(S) p-Terphenyl-d14	*68.7*			*10.0-120*		*06/14/2024 00:18*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	06/03/2024 15:32	WG2297636

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.111		0.0215	0.0478	1	06/04/2024 09:50	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	6.89		0.651	2.39	1	06/09/2024 19:47	WG2299939
Arsenic	1.42	J	0.619	2.39	1	06/09/2024 19:47	WG2299939
Barium	173		0.102	0.598	1	06/09/2024 19:47	WG2299939
Beryllium	0.379		0.0377	0.239	1	06/09/2024 19:47	WG2299939
Cadmium	0.205	J	0.0563	0.598	1	06/09/2024 19:47	WG2299939
Chromium	47.8		0.159	1.20	1	06/09/2024 19:47	WG2299939
Cobalt	10.0		0.0970	1.20	1	06/09/2024 19:47	WG2299939
Copper	22.0		0.478	2.39	1	06/09/2024 19:47	WG2299939
Lead	16.4		0.249	0.598	1	06/09/2024 19:47	WG2299939
Molybdenum	0.413	J	0.130	0.598	1	06/09/2024 19:47	WG2299939
Nickel	50.6		0.158	2.39	1	06/09/2024 19:47	WG2299939
Selenium	1.02	J	0.914	2.39	1	06/09/2024 19:47	WG2299939
Silver	U		0.152	1.20	1	06/10/2024 09:55	WG2299939
Thallium	U		0.471	2.39	1	06/09/2024 19:47	WG2299939
Vanadium	41.7		0.605	2.39	1	06/09/2024 19:47	WG2299939
Zinc	57.5		0.995	5.98	1	06/09/2024 19:47	WG2299939

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.17	J	1.16	3.49	25	06/06/2024 02:43	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/06/2024 02:43*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	2.06	J	0.877	4.78	1	06/13/2024 13:11	WG2303234
C22-C32 Hydrocarbons	4.96		1.59	4.78	1	06/13/2024 13:11	WG2303234
C32-C40 Hydrocarbons	3.95	J	1.59	4.78	1	06/13/2024 13:11	WG2303234
(S) o-Terphenyl	*52.6*			*18.0-148*		*06/13/2024 13:11*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00645	0.0398	1	06/13/2024 20:38	WG2303251
Acenaphthylene	U		0.00561	0.0398	1	06/13/2024 20:38	WG2303251
Anthracene	U		0.00709	0.0398	1	06/13/2024 20:38	WG2303251
Benzidine	U		0.0749	2.00	1	06/13/2024 20:38	WG2303251
Benzo(a)anthracene	U		0.00702	0.0398	1	06/13/2024 20:38	WG2303251
Benzo(b)fluoranthene	U		0.00743	0.0398	1	06/13/2024 20:38	WG2303251
Benzo(k)fluoranthene	U		0.00708	0.0398	1	06/13/2024 20:38	WG2303251
Benzo(g,h,i)perylene	U		0.00728	0.0398	1	06/13/2024 20:38	WG2303251
Benzo(a)pyrene	U		0.00740	0.0398	1	06/13/2024 20:38	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0120	0.398	1	06/13/2024 20:38	WG2303251
Bis(2-chloroethyl)ether	U		0.0132	0.398	1	06/13/2024 20:38	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0172	0.398	1	06/13/2024 20:38	WG2303251
4-Bromophenyl-phenylether	U		0.0140	0.398	1	06/13/2024 20:38	WG2303251
2-Chloronaphthalene	U		0.00700	0.0398	1	06/13/2024 20:38	WG2303251
4-Chlorophenyl-phenylether	U		0.0139	0.398	1	06/13/2024 20:38	WG2303251
Chrysene	U		0.00792	0.0398	1	06/13/2024 20:38	WG2303251
Dibenz(a,h)anthracene	U		0.0110	0.0398	1	06/13/2024 20:38	WG2303251
1,2-Dichlorobenzene	U		0.0118	0.398	1	06/13/2024 20:38	WG2303251
1,3-Dichlorobenzene	U		0.0121	0.398	1	06/13/2024 20:38	WG2303251
1,4-Dichlorobenzene	U		0.0119	0.398	1	06/13/2024 20:38	WG2303251
3,3-Dichlorobenzidine	U		0.0147	0.398	1	06/13/2024 20:38	WG2303251
2,4-Dinitrotoluene	U		0.0114	0.398	1	06/13/2024 20:38	WG2303251
2,6-Dinitrotoluene	U		0.0130	0.398	1	06/13/2024 20:38	WG2303251
Fluoranthene	U		0.00719	0.0398	1	06/13/2024 20:38	WG2303251
Fluorene	U		0.00648	0.0398	1	06/13/2024 20:38	WG2303251
Hexachlorobenzene	U		0.0141	0.398	1	06/13/2024 20:38	WG2303251
Hexachloro-1,3-butadiene	U		0.0134	0.398	1	06/13/2024 20:38	WG2303251
Hexachlorocyclopentadiene	U		0.0209	0.398	1	06/13/2024 20:38	WG2303251
Hexachloroethane	U		0.0157	0.398	1	06/13/2024 20:38	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0398	1	06/13/2024 20:38	WG2303251
Isophorone	U		0.0122	0.398	1	06/13/2024 20:38	WG2303251
Naphthalene	U		0.0100	0.0398	1	06/13/2024 20:38	WG2303251
Nitrobenzene	U		0.0139	0.398	1	06/13/2024 20:38	WG2303251
n-Nitrosodimethylamine	U		0.0591	0.398	1	06/13/2024 20:38	WG2303251
n-Nitrosodiphenylamine	U		0.0301	0.398	1	06/13/2024 20:38	WG2303251
n-Nitrosodi-n-propylamine	U		0.0133	0.398	1	06/13/2024 20:38	WG2303251
Phenanthrene	U		0.00790	0.0398	1	06/13/2024 20:38	WG2303251
Benzylbutyl phthalate	U		0.0124	0.398	1	06/13/2024 20:38	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0505	0.398	1	06/13/2024 20:38	WG2303251
Di-n-butyl phthalate	U		0.0136	0.398	1	06/13/2024 20:38	WG2303251
Diethyl phthalate	U		0.0132	0.398	1	06/13/2024 20:38	WG2303251
Dimethyl phthalate	U		0.0844	0.398	1	06/13/2024 20:38	WG2303251
Di-n-octyl phthalate	U		0.0269	0.398	1	06/13/2024 20:38	WG2303251
Pyrene	U		0.00775	0.0398	1	06/13/2024 20:38	WG2303251
1,2,4-Trichlorobenzene	U		0.0124	0.398	1	06/13/2024 20:38	WG2303251
4-Chloro-3-methylphenol	U		0.0129	0.398	1	06/13/2024 20:38	WG2303251
2-Chlorophenol	U		0.0132	0.398	1	06/13/2024 20:38	WG2303251
2,4-Dichlorophenol	U		0.0116	0.398	1	06/13/2024 20:38	WG2303251
2,4-Dimethylphenol	U		0.0104	0.398	1	06/13/2024 20:38	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0903	0.398	1	06/13/2024 20:38	WG2303251
2,4-Dinitrophenol	U		0.0932	0.398	1	06/13/2024 20:38	WG2303251
2-Nitrophenol	U		0.0142	0.398	1	06/13/2024 20:38	WG2303251
4-Nitrophenol	U		0.0124	0.398	1	06/13/2024 20:38	WG2303251
Pentachlorophenol	U		0.0107	0.398	1	06/13/2024 20:38	WG2303251
Phenol	U		0.0160	0.398	1	06/13/2024 20:38	WG2303251
2,4,6-Trichlorophenol	U		0.0128	0.398	1	06/13/2024 20:38	WG2303251
(S) 2-Fluorophenol	*73.1*			*12.0-120*		*06/13/2024 20:38*	WG2303251
(S) Phenol-d5	*67.0*			*10.0-120*		*06/13/2024 20:38*	WG2303251
(S) Nitrobenzene-d5	*54.8*			*10.0-122*		*06/13/2024 20:38*	WG2303251
(S) 2-Fluorobiphenyl	*63.8*			*15.0-120*		*06/13/2024 20:38*	WG2303251
(S) 2,4,6-Tribromophenol	*61.0*			*10.0-127*		*06/13/2024 20:38*	WG2303251
(S) p-Terphenyl-d14	*71.2*			*10.0-120*		*06/13/2024 20:38*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.1		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.79	B J	1.35	4.06	27.5	06/13/2024 03:40	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/13/2024 03:40*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0592	0.0812	1.1	06/13/2024 04:35	WG2304049
Acrylonitrile	U		0.00586	0.0204	1.1	06/13/2024 04:35	WG2304049
Benzene	U		0.000759	0.00162	1.1	06/13/2024 04:35	WG2304049
Bromobenzene	U		0.00146	0.0204	1.1	06/13/2024 04:35	WG2304049
Bromodichloromethane	U		0.00118	0.00406	1.1	06/13/2024 04:35	WG2304049
Bromoform	U		0.00190	0.0406	1.1	06/13/2024 04:35	WG2304049
Bromomethane	U		0.00320	0.0204	1.1	06/13/2024 04:35	WG2304049
n-Butylbenzene	U		0.00853	0.0204	1.1	06/13/2024 04:35	WG2304049
sec-Butylbenzene	U		0.00468	0.0204	1.1	06/13/2024 04:35	WG2304049
tert-Butylbenzene	U		0.00317	0.00812	1.1	06/13/2024 04:35	WG2304049
Carbon tetrachloride	U		0.00146	0.00812	1.1	06/13/2024 04:35	WG2304049
Chlorobenzene	U		0.000341	0.00406	1.1	06/13/2024 04:35	WG2304049
Chlorodibromomethane	U		0.000994	0.00406	1.1	06/13/2024 04:35	WG2304049
Chloroethane	U		0.00276	0.00812	1.1	06/13/2024 04:35	WG2304049
Chloroform	U		0.00167	0.00406	1.1	06/13/2024 04:35	WG2304049
Chloromethane	U		0.00707	0.0204	1.1	06/13/2024 04:35	WG2304049
2-Chlorotoluene	U		0.00141	0.00406	1.1	06/13/2024 04:35	WG2304049
4-Chlorotoluene	U		0.000731	0.00812	1.1	06/13/2024 04:35	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00633	0.0406	1.1	06/13/2024 04:35	WG2304049
1,2-Dibromoethane	U		0.00105	0.00406	1.1	06/13/2024 04:35	WG2304049
Dibromomethane	U		0.00122	0.00812	1.1	06/13/2024 04:35	WG2304049
1,2-Dichlorobenzene	U		0.000691	0.00812	1.1	06/13/2024 04:35	WG2304049
1,3-Dichlorobenzene	U		0.000974	0.00812	1.1	06/13/2024 04:35	WG2304049
1,4-Dichlorobenzene	U		0.00114	0.00812	1.1	06/13/2024 04:35	WG2304049
Dichlorodifluoromethane	U		0.00261	0.00812	1.1	06/13/2024 04:35	WG2304049
1,1-Dichloroethane	U		0.000797	0.00406	1.1	06/13/2024 04:35	WG2304049
1,2-Dichloroethane	U		0.00105	0.00406	1.1	06/13/2024 04:35	WG2304049
1,1-Dichloroethene	U		0.000985	0.00406	1.1	06/13/2024 04:35	WG2304049
cis-1,2-Dichloroethene	U		0.00119	0.00406	1.1	06/13/2024 04:35	WG2304049
trans-1,2-Dichloroethene	U		0.00168	0.00812	1.1	06/13/2024 04:35	WG2304049
1,2-Dichloropropane	U		0.00230	0.00812	1.1	06/13/2024 04:35	WG2304049
1,1-Dichloropropene	U		0.00131	0.00406	1.1	06/13/2024 04:35	WG2304049
1,3-Dichloropropane	U		0.000813	0.00812	1.1	06/13/2024 04:35	WG2304049
cis-1,3-Dichloropropene	U		0.00123	0.00406	1.1	06/13/2024 04:35	WG2304049
trans-1,3-Dichloropropene	U		0.00185	0.00812	1.1	06/13/2024 04:35	WG2304049
2,2-Dichloropropane	U		0.00224	0.00406	1.1	06/13/2024 04:35	WG2304049
Di-isopropyl ether	U		0.000666	0.00162	1.1	06/13/2024 04:35	WG2304049
Ethylbenzene	U		0.00120	0.00406	1.1	06/13/2024 04:35	WG2304049
Hexachloro-1,3-butadiene	U		0.00974	0.0406	1.1	06/13/2024 04:35	WG2304049
Isopropylbenzene	U		0.000691	0.00406	1.1	06/13/2024 04:35	WG2304049
p-Isopropyltoluene	U		0.00415	0.00812	1.1	06/13/2024 04:35	WG2304049
2-Butanone (MEK)	U		0.103	0.162	1.1	06/13/2024 04:35	WG2304049
Methylene Chloride	0.0146	J	0.0108	0.0406	1.1	06/13/2024 04:35	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00371	0.0406	1.1	06/13/2024 04:35	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000568	0.00162	1.1	06/13/2024 04:35	WG2304049
Naphthalene	U	J3	0.00793	0.0204	1.1	06/13/2024 04:35	WG2304049
n-Propylbenzene	U		0.00155	0.00812	1.1	06/13/2024 04:35	WG2304049
Styrene	U		0.000372	0.0204	1.1	06/13/2024 04:35	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00154	0.00406	1.1	06/13/2024 04:35	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00113	0.00406	1.1	06/13/2024 04:35	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00406	1.1	06/13/2024 04:35	WG2304049
Tetrachloroethene	U		0.00146	0.00406	1.1	06/13/2024 04:35	WG2304049
Toluene	0.00248	J	0.00211	0.00812	1.1	06/13/2024 04:35	WG2304049
1,2,3-Trichlorobenzene	U		0.0119	0.0204	1.1	06/13/2024 04:35	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00715	0.0204	1.1	06/13/2024 04:35	WG2304049
1,1,1-Trichloroethane	U		0.00151	0.00406	1.1	06/13/2024 04:35	WG2304049
1,1,2-Trichloroethane	U		0.000970	0.00406	1.1	06/13/2024 04:35	WG2304049
Trichloroethene	U		0.000948	0.00162	1.1	06/13/2024 04:35	WG2304049
Trichlorofluoromethane	U		0.00134	0.00406	1.1	06/13/2024 04:35	WG2304049
1,2,3-Trichloropropane	U		0.00263	0.0204	1.1	06/13/2024 04:35	WG2304049
1,2,4-Trimethylbenzene	U		0.00257	0.00812	1.1	06/13/2024 04:35	WG2304049
1,2,3-Trimethylbenzene	U		0.00257	0.00812	1.1	06/13/2024 04:35	WG2304049
1,3,5-Trimethylbenzene	U		0.00325	0.00812	1.1	06/13/2024 04:35	WG2304049
Vinyl chloride	U		0.00189	0.00406	1.1	06/13/2024 04:35	WG2304049
Xylenes, Total	U		0.00143	0.0106	1.1	06/13/2024 04:35	WG2304049
(S) Toluene-d8	*104*			*75.0-131*		*06/13/2024 04:35*	WG2304049
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/13/2024 04:35*	WG2304049
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*06/13/2024 04:35*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.916	5.00	1	06/14/2024 01:32	WG2304127
C22-C32 Hydrocarbons	U		1.66	5.00	1	06/14/2024 01:32	WG2304127
C32-C40 Hydrocarbons	U		1.66	5.00	1	06/14/2024 01:32	WG2304127
(S) o-Terphenyl	*46.0*			*18.0-148*		*06/14/2024 01:32*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0413	J	0.0135	0.0832	2	06/13/2024 23:11	WG2304128
Acenaphthylene	U		0.0117	0.0832	2	06/13/2024 23:11	WG2304128
Anthracene	U		0.0149	0.0832	2	06/13/2024 23:11	WG2304128
Benzidine	U		0.156	4.17	2	06/13/2024 23:11	WG2304128
Benzo(a)anthracene	U		0.0146	0.0832	2	06/13/2024 23:11	WG2304128
Benzo(b)fluoranthene	0.0190	J	0.0155	0.0832	2	06/13/2024 23:11	WG2304128
Benzo(k)fluoranthene	U		0.0147	0.0832	2	06/13/2024 23:11	WG2304128
Benzo(g,h,i)perylene	U		0.0152	0.0832	2	06/13/2024 23:11	WG2304128
Benzo(a)pyrene	U		0.0155	0.0832	2	06/13/2024 23:11	WG2304128
Bis(2-chlorethoxy)methane	U		0.0250	0.832	2	06/13/2024 23:11	WG2304128
Bis(2-chloroethyl)ether	U		0.0275	0.832	2	06/13/2024 23:11	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0360	0.832	2	06/13/2024 23:11	WG2304128
4-Bromophenyl-phenylether	U		0.0292	0.832	2	06/13/2024 23:11	WG2304128
2-Chloronaphthalene	U		0.0146	0.0832	2	06/13/2024 23:11	WG2304128
4-Chlorophenyl-phenylether	U		0.0290	0.832	2	06/13/2024 23:11	WG2304128
Chrysene	0.0215	J	0.0165	0.0832	2	06/13/2024 23:11	WG2304128
Dibenz(a,h)anthracene	U		0.0231	0.0832	2	06/13/2024 23:11	WG2304128
1,2-Dichlorobenzene	U		0.0246	0.832	2	06/13/2024 23:11	WG2304128
1,3-Dichlorobenzene	U		0.0252	0.832	2	06/13/2024 23:11	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0247	0.832	2	06/13/2024 23:11	WG2304128
3,3-Dichlorobenzidine	U		0.0307	0.832	2	06/13/2024 23:11	WG2304128
2,4-Dinitrotoluene	U		0.0239	0.832	2	06/13/2024 23:11	WG2304128
2,6-Dinitrotoluene	U		0.0272	0.832	2	06/13/2024 23:11	WG2304128
Fluoranthene	0.0330	J	0.0150	0.0832	2	06/13/2024 23:11	WG2304128
Fluorene	0.0297	J	0.0135	0.0832	2	06/13/2024 23:11	WG2304128
Hexachlorobenzene	U		0.0295	0.832	2	06/13/2024 23:11	WG2304128
Hexachloro-1,3-butadiene	U		0.0280	0.832	2	06/13/2024 23:11	WG2304128
Hexachlorocyclopentadiene	U		0.0437	0.832	2	06/13/2024 23:11	WG2304128
Hexachloroethane	U		0.0327	0.832	2	06/13/2024 23:11	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0235	0.0832	2	06/13/2024 23:11	WG2304128
Isophorone	U		0.0255	0.832	2	06/13/2024 23:11	WG2304128
Naphthalene	U		0.0209	0.0832	2	06/13/2024 23:11	WG2304128
Nitrobenzene	U		0.0290	0.832	2	06/13/2024 23:11	WG2304128
n-Nitrosodimethylamine	U		0.123	0.832	2	06/13/2024 23:11	WG2304128
n-Nitrosodiphenylamine	U		0.0630	0.832	2	06/13/2024 23:11	WG2304128
n-Nitrosodi-n-propylamine	U		0.0277	0.832	2	06/13/2024 23:11	WG2304128
Phenanthrene	0.0596	J	0.0165	0.0832	2	06/13/2024 23:11	WG2304128
Benzylbutyl phthalate	U		0.0260	0.832	2	06/13/2024 23:11	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.105	0.832	2	06/13/2024 23:11	WG2304128
Di-n-butyl phthalate	U		0.0285	0.832	2	06/13/2024 23:11	WG2304128
Diethyl phthalate	U		0.0275	0.832	2	06/13/2024 23:11	WG2304128
Dimethyl phthalate	U		0.176	0.832	2	06/13/2024 23:11	WG2304128
Di-n-octyl phthalate	U		0.0562	0.832	2	06/13/2024 23:11	WG2304128
Pyrene	0.0660	J	0.0162	0.0832	2	06/13/2024 23:11	WG2304128
1,2,4-Trichlorobenzene	U		0.0260	0.832	2	06/13/2024 23:11	WG2304128
4-Chloro-3-methylphenol	U		0.0270	0.832	2	06/13/2024 23:11	WG2304128
2-Chlorophenol	U		0.0275	0.832	2	06/13/2024 23:11	WG2304128
2,4-Dichlorophenol	U		0.0242	0.832	2	06/13/2024 23:11	WG2304128
2,4-Dimethylphenol	U		0.0217	0.832	2	06/13/2024 23:11	WG2304128
4,6-Dinitro-2-methylphenol	U		0.189	0.832	2	06/13/2024 23:11	WG2304128
2,4-Dinitrophenol	U		0.195	0.832	2	06/13/2024 23:11	WG2304128
2-Nitrophenol	U		0.0297	0.832	2	06/13/2024 23:11	WG2304128
4-Nitrophenol	U		0.0260	0.832	2	06/13/2024 23:11	WG2304128
Pentachlorophenol	U		0.0224	0.832	2	06/13/2024 23:11	WG2304128
Phenol	U		0.0335	0.832	2	06/13/2024 23:11	WG2304128
2,4,6-Trichlorophenol	U		0.0267	0.832	2	06/13/2024 23:11	WG2304128
(S) 2-Fluorophenol	*57.6*			*12.0-120*		*06/13/2024 23:11*	WG2304128
(S) Phenol-d5	*53.1*			*10.0-120*		*06/13/2024 23:11*	WG2304128
(S) Nitrobenzene-d5	*55.6*			*10.0-122*		*06/13/2024 23:11*	WG2304128
(S) 2-Fluorobiphenyl	*64.4*			*15.0-120*		*06/13/2024 23:11*	WG2304128
(S) 2,4,6-Tribromophenol	*47.9*			*10.0-127*		*06/13/2024 23:11*	WG2304128
(S) p-Terphenyl-d14	*62.5*			*10.0-120*		*06/13/2024 23:11*	WG2304128

Sample Narrative:

L1741921-51 WG2304128: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	06/03/2024 15:22	WG2297639

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.18	3.54	25	06/06/2024 03:05	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/06/2024 03:05*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0517	0.0709	1	06/11/2024 19:45	WG2303036
Acrylonitrile	U		0.00512	0.0177	1	06/11/2024 19:45	WG2303036
Benzene	U		0.000662	0.00142	1	06/11/2024 19:45	WG2303036
Bromobenzene	U		0.00128	0.0177	1	06/11/2024 19:45	WG2303036
Bromodichloromethane	U		0.00103	0.00354	1	06/11/2024 19:45	WG2303036
Bromoform	U		0.00166	0.0354	1	06/11/2024 19:45	WG2303036
Bromomethane	U		0.00279	0.0177	1	06/11/2024 19:45	WG2303036
n-Butylbenzene	U		0.00744	0.0177	1	06/11/2024 19:45	WG2303036
sec-Butylbenzene	U		0.00408	0.0177	1	06/11/2024 19:45	WG2303036
tert-Butylbenzene	U		0.00276	0.00709	1	06/11/2024 19:45	WG2303036
Carbon tetrachloride	U		0.00127	0.00709	1	06/11/2024 19:45	WG2303036
Chlorobenzene	U		0.000298	0.00354	1	06/11/2024 19:45	WG2303036
Chlorodibromomethane	U		0.000867	0.00354	1	06/11/2024 19:45	WG2303036
Chloroethane	U		0.00241	0.00709	1	06/11/2024 19:45	WG2303036
Chloroform	U		0.00146	0.00354	1	06/11/2024 19:45	WG2303036
Chloromethane	U		0.00617	0.0177	1	06/11/2024 19:45	WG2303036
2-Chlorotoluene	U		0.00123	0.00354	1	06/11/2024 19:45	WG2303036
4-Chlorotoluene	U		0.000638	0.00709	1	06/11/2024 19:45	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00553	0.0354	1	06/11/2024 19:45	WG2303036
1,2-Dibromoethane	U		0.000918	0.00354	1	06/11/2024 19:45	WG2303036
Dibromomethane	U		0.00106	0.00709	1	06/11/2024 19:45	WG2303036
1,2-Dichlorobenzene	U		0.000602	0.00709	1	06/11/2024 19:45	WG2303036
1,3-Dichlorobenzene	U		0.000850	0.00709	1	06/11/2024 19:45	WG2303036
1,4-Dichlorobenzene	U		0.000992	0.00709	1	06/11/2024 19:45	WG2303036
Dichlorodifluoromethane	U		0.00228	0.00709	1	06/11/2024 19:45	WG2303036
1,1-Dichloroethane	U		0.000696	0.00354	1	06/11/2024 19:45	WG2303036
1,2-Dichloroethane	U		0.000920	0.00354	1	06/11/2024 19:45	WG2303036
1,1-Dichloroethene	U		0.000859	0.00354	1	06/11/2024 19:45	WG2303036
cis-1,2-Dichloroethene	U		0.00104	0.00354	1	06/11/2024 19:45	WG2303036
trans-1,2-Dichloroethene	U		0.00147	0.00709	1	06/11/2024 19:45	WG2303036
1,2-Dichloropropane	U		0.00201	0.00709	1	06/11/2024 19:45	WG2303036
1,1-Dichloropropene	U		0.00115	0.00354	1	06/11/2024 19:45	WG2303036
1,3-Dichloropropane	U		0.000710	0.00709	1	06/11/2024 19:45	WG2303036
cis-1,3-Dichloropropene	U		0.00107	0.00354	1	06/11/2024 19:45	WG2303036
trans-1,3-Dichloropropene	U		0.00162	0.00709	1	06/11/2024 19:45	WG2303036
2,2-Dichloropropane	U		0.00196	0.00354	1	06/11/2024 19:45	WG2303036
Di-isopropyl ether	U		0.000581	0.00142	1	06/11/2024 19:45	WG2303036
Ethylbenzene	U		0.00104	0.00354	1	06/11/2024 19:45	WG2303036
Hexachloro-1,3-butadiene	U		0.00850	0.0354	1	06/11/2024 19:45	WG2303036
Isopropylbenzene	U		0.000602	0.00354	1	06/11/2024 19:45	WG2303036
p-Isopropyltoluene	U		0.00361	0.00709	1	06/11/2024 19:45	WG2303036
2-Butanone (MEK)	U		0.0900	0.142	1	06/11/2024 19:45	WG2303036
Methylene Chloride	U		0.00941	0.0354	1	06/11/2024 19:45	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00323	0.0354	1	06/11/2024 19:45	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000496	0.00142	1	06/11/2024 19:45	WG2303036
Naphthalene	U		0.00692	0.0177	1	06/11/2024 19:45	WG2303036
n-Propylbenzene	U		0.00135	0.00709	1	06/11/2024 19:45	WG2303036
Styrene	U		0.000325	0.0177	1	06/11/2024 19:45	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00134	0.00354	1	06/11/2024 19:45	WG2303036
1,1,2,2-Tetrachloroethane	U		0.000985	0.00354	1	06/11/2024 19:45	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00107	0.00354	1	06/11/2024 19:45	WG2303036
Tetrachloroethene	U		0.00127	0.00354	1	06/11/2024 19:45	WG2303036
Toluene	0.00449	J	0.00184	0.00709	1	06/11/2024 19:45	WG2303036
1,2,3-Trichlorobenzene	U		0.0104	0.0177	1	06/11/2024 19:45	WG2303036
1,2,4-Trichlorobenzene	U		0.00624	0.0177	1	06/11/2024 19:45	WG2303036
1,1,1-Trichloroethane	U		0.00131	0.00354	1	06/11/2024 19:45	WG2303036
1,1,2-Trichloroethane	U		0.000846	0.00354	1	06/11/2024 19:45	WG2303036
Trichloroethene	U		0.000828	0.00142	1	06/11/2024 19:45	WG2303036
Trichlorofluoromethane	U		0.00117	0.00354	1	06/11/2024 19:45	WG2303036
1,2,3-Trichloropropane	U		0.00230	0.0177	1	06/11/2024 19:45	WG2303036
1,2,4-Trimethylbenzene	U		0.00224	0.00709	1	06/11/2024 19:45	WG2303036
1,2,3-Trimethylbenzene	U		0.00224	0.00709	1	06/11/2024 19:45	WG2303036
1,3,5-Trimethylbenzene	U		0.00283	0.00709	1	06/11/2024 19:45	WG2303036
Vinyl chloride	U		0.00164	0.00354	1	06/11/2024 19:45	WG2303036
Xylenes, Total	0.00171	J	0.00125	0.00921	1	06/11/2024 19:45	WG2303036
(S) Toluene-d8	*100*			*75.0-131*		*06/11/2024 19:45*	WG2303036
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/11/2024 19:45*	WG2303036
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*06/11/2024 19:45*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.876	4.78	1	06/13/2024 11:44	WG2303234
C22-C32 Hydrocarbons	U		1.59	4.78	1	06/13/2024 11:44	WG2303234
C32-C40 Hydrocarbons	U		1.59	4.78	1	06/13/2024 11:44	WG2303234
(S) o-Terphenyl	*51.0*			*18.0-148*		*06/13/2024 11:44*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.48	B J	1.42	4.29	25	06/13/2024 04:03	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*06/13/2024 04:03*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0626	0.0857	1	06/13/2024 04:54	WG2304049
Acrylonitrile	U		0.00619	0.0214	1	06/13/2024 04:54	WG2304049
Benzene	U		0.000801	0.00171	1	06/13/2024 04:54	WG2304049
Bromobenzene	U		0.00154	0.0214	1	06/13/2024 04:54	WG2304049
Bromodichloromethane	U		0.00124	0.00429	1	06/13/2024 04:54	WG2304049
Bromoform	U		0.00201	0.0429	1	06/13/2024 04:54	WG2304049
Bromomethane	U		0.00338	0.0214	1	06/13/2024 04:54	WG2304049
n-Butylbenzene	U		0.00900	0.0214	1	06/13/2024 04:54	WG2304049
sec-Butylbenzene	U		0.00494	0.0214	1	06/13/2024 04:54	WG2304049
tert-Butylbenzene	U		0.00334	0.00857	1	06/13/2024 04:54	WG2304049
Carbon tetrachloride	U		0.00154	0.00857	1	06/13/2024 04:54	WG2304049
Chlorobenzene	U		0.000360	0.00429	1	06/13/2024 04:54	WG2304049
Chlorodibromomethane	U		0.00105	0.00429	1	06/13/2024 04:54	WG2304049
Chloroethane	U		0.00291	0.00857	1	06/13/2024 04:54	WG2304049
Chloroform	U		0.00177	0.00429	1	06/13/2024 04:54	WG2304049
Chloromethane	U		0.00746	0.0214	1	06/13/2024 04:54	WG2304049
2-Chlorotoluene	U		0.00148	0.00429	1	06/13/2024 04:54	WG2304049
4-Chlorotoluene	U		0.000772	0.00857	1	06/13/2024 04:54	WG2304049
1,2-Dibromo-3-Chloropropane	U		0.00669	0.0429	1	06/13/2024 04:54	WG2304049
1,2-Dibromoethane	U		0.00111	0.00429	1	06/13/2024 04:54	WG2304049
Dibromomethane	U		0.00129	0.00857	1	06/13/2024 04:54	WG2304049
1,2-Dichlorobenzene	U		0.000729	0.00857	1	06/13/2024 04:54	WG2304049
1,3-Dichlorobenzene	U		0.00103	0.00857	1	06/13/2024 04:54	WG2304049
1,4-Dichlorobenzene	U		0.00120	0.00857	1	06/13/2024 04:54	WG2304049
Dichlorodifluoromethane	U		0.00276	0.00857	1	06/13/2024 04:54	WG2304049
1,1-Dichloroethane	U		0.000842	0.00429	1	06/13/2024 04:54	WG2304049
1,2-Dichloroethane	U		0.00111	0.00429	1	06/13/2024 04:54	WG2304049
1,1-Dichloroethene	U		0.00104	0.00429	1	06/13/2024 04:54	WG2304049
cis-1,2-Dichloroethene	U		0.00126	0.00429	1	06/13/2024 04:54	WG2304049
trans-1,2-Dichloroethene	U		0.00178	0.00857	1	06/13/2024 04:54	WG2304049
1,2-Dichloropropane	U		0.00243	0.00857	1	06/13/2024 04:54	WG2304049
1,1-Dichloropropene	U		0.00139	0.00429	1	06/13/2024 04:54	WG2304049
1,3-Dichloropropane	U		0.000859	0.00857	1	06/13/2024 04:54	WG2304049
cis-1,3-Dichloropropene	U		0.00130	0.00429	1	06/13/2024 04:54	WG2304049
trans-1,3-Dichloropropene	U		0.00195	0.00857	1	06/13/2024 04:54	WG2304049
2,2-Dichloropropane	U		0.00237	0.00429	1	06/13/2024 04:54	WG2304049
Di-isopropyl ether	U		0.000703	0.00171	1	06/13/2024 04:54	WG2304049
Ethylbenzene	U		0.00126	0.00429	1	06/13/2024 04:54	WG2304049
Hexachloro-1,3-butadiene	U		0.0103	0.0429	1	06/13/2024 04:54	WG2304049
Isopropylbenzene	U		0.000729	0.00429	1	06/13/2024 04:54	WG2304049
p-Isopropyltoluene	U		0.00437	0.00857	1	06/13/2024 04:54	WG2304049
2-Butanone (MEK)	U		0.109	0.171	1	06/13/2024 04:54	WG2304049
Methylene Chloride	U		0.0114	0.0429	1	06/13/2024 04:54	WG2304049
4-Methyl-2-pentanone (MIBK)	U		0.00391	0.0429	1	06/13/2024 04:54	WG2304049

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000600	0.00171	1	06/13/2024 04:54	WG2304049
Naphthalene	U	J3	0.00837	0.0214	1	06/13/2024 04:54	WG2304049
n-Propylbenzene	U		0.00163	0.00857	1	06/13/2024 04:54	WG2304049
Styrene	U		0.000393	0.0214	1	06/13/2024 04:54	WG2304049
1,1,1,2-Tetrachloroethane	U		0.00163	0.00429	1	06/13/2024 04:54	WG2304049
1,1,2,2-Tetrachloroethane	U		0.00119	0.00429	1	06/13/2024 04:54	WG2304049
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00429	1	06/13/2024 04:54	WG2304049
Tetrachloroethene	U		0.00154	0.00429	1	06/13/2024 04:54	WG2304049
Toluene	U		0.00223	0.00857	1	06/13/2024 04:54	WG2304049
1,2,3-Trichlorobenzene	U		0.0126	0.0214	1	06/13/2024 04:54	WG2304049
1,2,4-Trichlorobenzene	U	J3	0.00754	0.0214	1	06/13/2024 04:54	WG2304049
1,1,1-Trichloroethane	U		0.00158	0.00429	1	06/13/2024 04:54	WG2304049
1,1,2-Trichloroethane	U		0.00102	0.00429	1	06/13/2024 04:54	WG2304049
Trichloroethene	U		0.00100	0.00171	1	06/13/2024 04:54	WG2304049
Trichlorofluoromethane	U		0.00142	0.00429	1	06/13/2024 04:54	WG2304049
1,2,3-Trichloropropane	U		0.00278	0.0214	1	06/13/2024 04:54	WG2304049
1,2,4-Trimethylbenzene	U		0.00271	0.00857	1	06/13/2024 04:54	WG2304049
1,2,3-Trimethylbenzene	U		0.00271	0.00857	1	06/13/2024 04:54	WG2304049
1,3,5-Trimethylbenzene	U		0.00343	0.00857	1	06/13/2024 04:54	WG2304049
Vinyl chloride	U		0.00199	0.00429	1	06/13/2024 04:54	WG2304049
Xylenes, Total	U		0.00151	0.0111	1	06/13/2024 04:54	WG2304049
(S) Toluene-d8	*105*			*75.0-131*		*06/13/2024 04:54*	WG2304049
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/13/2024 04:54*	WG2304049
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*06/13/2024 04:54*	WG2304049

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.982	5.36	1	06/14/2024 02:15	WG2304127
C22-C32 Hydrocarbons	U		1.78	5.36	1	06/14/2024 02:15	WG2304127
C32-C40 Hydrocarbons	U		1.78	5.36	1	06/14/2024 02:15	WG2304127
(S) o-Terphenyl	*61.6*			*18.0-148*		*06/14/2024 02:15*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00722	0.0446	1	06/13/2024 20:05	WG2304128
Acenaphthylene	U		0.00629	0.0446	1	06/13/2024 20:05	WG2304128
Anthracene	U		0.00795	0.0446	1	06/13/2024 20:05	WG2304128
Benzidine	U		0.0839	2.24	1	06/13/2024 20:05	WG2304128
Benzo(a)anthracene	U		0.00787	0.0446	1	06/13/2024 20:05	WG2304128
Benzo(b)fluoranthene	U		0.00832	0.0446	1	06/13/2024 20:05	WG2304128
Benzo(k)fluoranthene	U		0.00793	0.0446	1	06/13/2024 20:05	WG2304128
Benzo(g,h,i)perylene	U		0.00816	0.0446	1	06/13/2024 20:05	WG2304128
Benzo(a)pyrene	U		0.00830	0.0446	1	06/13/2024 20:05	WG2304128
Bis(2-chlorethoxy)methane	U		0.0134	0.446	1	06/13/2024 20:05	WG2304128
Bis(2-chloroethyl)ether	U		0.0147	0.446	1	06/13/2024 20:05	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0193	0.446	1	06/13/2024 20:05	WG2304128
4-Bromophenyl-phenylether	U		0.0157	0.446	1	06/13/2024 20:05	WG2304128
2-Chloronaphthalene	U		0.00784	0.0446	1	06/13/2024 20:05	WG2304128
4-Chlorophenyl-phenylether	U		0.0155	0.446	1	06/13/2024 20:05	WG2304128
Chrysene	U		0.00887	0.0446	1	06/13/2024 20:05	WG2304128
Dibenz(a,h)anthracene	U		0.0124	0.0446	1	06/13/2024 20:05	WG2304128
1,2-Dichlorobenzene	U		0.0132	0.446	1	06/13/2024 20:05	WG2304128
1,3-Dichlorobenzene	U		0.0135	0.446	1	06/13/2024 20:05	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0133	0.446	1	06/13/2024 20:05	WG2304128
3,3-Dichlorobenzidine	U		0.0165	0.446	1	06/13/2024 20:05	WG2304128
2,4-Dinitrotoluene	U		0.0128	0.446	1	06/13/2024 20:05	WG2304128
2,6-Dinitrotoluene	U		0.0146	0.446	1	06/13/2024 20:05	WG2304128
Fluoranthene	U		0.00805	0.0446	1	06/13/2024 20:05	WG2304128
Fluorene	U		0.00726	0.0446	1	06/13/2024 20:05	WG2304128
Hexachlorobenzene	U		0.0158	0.446	1	06/13/2024 20:05	WG2304128
Hexachloro-1,3-butadiene	U		0.0150	0.446	1	06/13/2024 20:05	WG2304128
Hexachlorocyclopentadiene	U		0.0235	0.446	1	06/13/2024 20:05	WG2304128
Hexachloroethane	U		0.0176	0.446	1	06/13/2024 20:05	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0126	0.0446	1	06/13/2024 20:05	WG2304128
Isophorone	U		0.0137	0.446	1	06/13/2024 20:05	WG2304128
Naphthalene	U		0.0112	0.0446	1	06/13/2024 20:05	WG2304128
Nitrobenzene	U		0.0155	0.446	1	06/13/2024 20:05	WG2304128
n-Nitrosodimethylamine	U		0.0662	0.446	1	06/13/2024 20:05	WG2304128
n-Nitrosodiphenylamine	U		0.0338	0.446	1	06/13/2024 20:05	WG2304128
n-Nitrosodi-n-propylamine	U		0.0149	0.446	1	06/13/2024 20:05	WG2304128
Phenanthrene	U		0.00886	0.0446	1	06/13/2024 20:05	WG2304128
Benzylbutyl phthalate	U		0.0139	0.446	1	06/13/2024 20:05	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0566	0.446	1	06/13/2024 20:05	WG2304128
Di-n-butyl phthalate	U		0.0153	0.446	1	06/13/2024 20:05	WG2304128
Diethyl phthalate	U		0.0147	0.446	1	06/13/2024 20:05	WG2304128
Dimethyl phthalate	U		0.0946	0.446	1	06/13/2024 20:05	WG2304128
Di-n-octyl phthalate	U		0.0302	0.446	1	06/13/2024 20:05	WG2304128
Pyrene	U		0.00868	0.0446	1	06/13/2024 20:05	WG2304128
1,2,4-Trichlorobenzene	U		0.0139	0.446	1	06/13/2024 20:05	WG2304128
4-Chloro-3-methylphenol	U		0.0145	0.446	1	06/13/2024 20:05	WG2304128
2-Chlorophenol	U		0.0147	0.446	1	06/13/2024 20:05	WG2304128
2,4-Dichlorophenol	U		0.0130	0.446	1	06/13/2024 20:05	WG2304128
2,4-Dimethylphenol	U		0.0117	0.446	1	06/13/2024 20:05	WG2304128
4,6-Dinitro-2-methylphenol	U		0.101	0.446	1	06/13/2024 20:05	WG2304128
2,4-Dinitrophenol	U		0.104	0.446	1	06/13/2024 20:05	WG2304128
2-Nitrophenol	U		0.0159	0.446	1	06/13/2024 20:05	WG2304128
4-Nitrophenol	U		0.0139	0.446	1	06/13/2024 20:05	WG2304128
Pentachlorophenol	U		0.0120	0.446	1	06/13/2024 20:05	WG2304128
Phenol	U		0.0180	0.446	1	06/13/2024 20:05	WG2304128
2,4,6-Trichlorophenol	U		0.0143	0.446	1	06/13/2024 20:05	WG2304128
(S) 2-Fluorophenol	*53.9*			*12.0-120*		*06/13/2024 20:05*	WG2304128
(S) Phenol-d5	*48.8*			*10.0-120*		*06/13/2024 20:05*	WG2304128
(S) Nitrobenzene-d5	*52.3*			*10.0-122*		*06/13/2024 20:05*	WG2304128
(S) 2-Fluorobiphenyl	*57.3*			*15.0-120*		*06/13/2024 20:05*	WG2304128
(S) 2,4,6-Tribromophenol	*43.8*			*10.0-127*		*06/13/2024 20:05*	WG2304128
(S) p-Terphenyl-d14	*57.3*			*10.0-120*		*06/13/2024 20:05*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.6		1	06/03/2024 15:22	WG2297639

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0625	0.0855	1	06/11/2024 20:04	WG2303036
Acrylonitrile	U		0.00618	0.0214	1	06/11/2024 20:04	WG2303036
Benzene	U		0.000799	0.00171	1	06/11/2024 20:04	WG2303036
Bromobenzene	U		0.00154	0.0214	1	06/11/2024 20:04	WG2303036
Bromodichloromethane	U		0.00124	0.00428	1	06/11/2024 20:04	WG2303036
Bromoform	U		0.00200	0.0428	1	06/11/2024 20:04	WG2303036
Bromomethane	U		0.00337	0.0214	1	06/11/2024 20:04	WG2303036
n-Butylbenzene	U		0.00898	0.0214	1	06/11/2024 20:04	WG2303036
sec-Butylbenzene	U		0.00493	0.0214	1	06/11/2024 20:04	WG2303036
tert-Butylbenzene	U		0.00334	0.00855	1	06/11/2024 20:04	WG2303036
Carbon tetrachloride	U		0.00154	0.00855	1	06/11/2024 20:04	WG2303036
Chlorobenzene	U		0.000359	0.00428	1	06/11/2024 20:04	WG2303036
Chlorodibromomethane	U		0.00105	0.00428	1	06/11/2024 20:04	WG2303036
Chloroethane	U		0.00291	0.00855	1	06/11/2024 20:04	WG2303036
Chloroform	U		0.00176	0.00428	1	06/11/2024 20:04	WG2303036
Chloromethane	U		0.00744	0.0214	1	06/11/2024 20:04	WG2303036
2-Chlorotoluene	U		0.00148	0.00428	1	06/11/2024 20:04	WG2303036
4-Chlorotoluene	U		0.000770	0.00855	1	06/11/2024 20:04	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00667	0.0428	1	06/11/2024 20:04	WG2303036
1,2-Dibromoethane	U		0.00111	0.00428	1	06/11/2024 20:04	WG2303036
Dibromomethane	U		0.00128	0.00855	1	06/11/2024 20:04	WG2303036
1,2-Dichlorobenzene	U		0.000727	0.00855	1	06/11/2024 20:04	WG2303036
1,3-Dichlorobenzene	U		0.00103	0.00855	1	06/11/2024 20:04	WG2303036
1,4-Dichlorobenzene	U		0.00120	0.00855	1	06/11/2024 20:04	WG2303036
Dichlorodifluoromethane	U		0.00275	0.00855	1	06/11/2024 20:04	WG2303036
1,1-Dichloroethane	U		0.000840	0.00428	1	06/11/2024 20:04	WG2303036
1,2-Dichloroethane	U		0.00111	0.00428	1	06/11/2024 20:04	WG2303036
1,1-Dichloroethene	U		0.00104	0.00428	1	06/11/2024 20:04	WG2303036
cis-1,2-Dichloroethene	U		0.00126	0.00428	1	06/11/2024 20:04	WG2303036
trans-1,2-Dichloroethene	U		0.00178	0.00855	1	06/11/2024 20:04	WG2303036
1,2-Dichloropropane	U		0.00243	0.00855	1	06/11/2024 20:04	WG2303036
1,1-Dichloropropene	U		0.00138	0.00428	1	06/11/2024 20:04	WG2303036
1,3-Dichloropropane	U		0.000857	0.00855	1	06/11/2024 20:04	WG2303036
cis-1,3-Dichloropropene	U		0.00130	0.00428	1	06/11/2024 20:04	WG2303036
trans-1,3-Dichloropropene	U		0.00195	0.00855	1	06/11/2024 20:04	WG2303036
2,2-Dichloropropane	U		0.00236	0.00428	1	06/11/2024 20:04	WG2303036
Di-isopropyl ether	U		0.000702	0.00171	1	06/11/2024 20:04	WG2303036
Ethylbenzene	U		0.00126	0.00428	1	06/11/2024 20:04	WG2303036
Hexachloro-1,3-butadiene	U		0.0103	0.0428	1	06/11/2024 20:04	WG2303036
Isopropylbenzene	U		0.000727	0.00428	1	06/11/2024 20:04	WG2303036
p-Isopropyltoluene	U		0.00436	0.00855	1	06/11/2024 20:04	WG2303036
2-Butanone (MEK)	U		0.109	0.171	1	06/11/2024 20:04	WG2303036
Methylene Chloride	U		0.0114	0.0428	1	06/11/2024 20:04	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00390	0.0428	1	06/11/2024 20:04	WG2303036
Methyl tert-butyl ether	U		0.000599	0.00171	1	06/11/2024 20:04	WG2303036
Naphthalene	U		0.00835	0.0214	1	06/11/2024 20:04	WG2303036
n-Propylbenzene	U		0.00163	0.00855	1	06/11/2024 20:04	WG2303036
Styrene	U		0.000392	0.0214	1	06/11/2024 20:04	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00162	0.00428	1	06/11/2024 20:04	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00119	0.00428	1	06/11/2024 20:04	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00129	0.00428	1	06/11/2024 20:04	WG2303036
Tetrachloroethene	U		0.00153	0.00428	1	06/11/2024 20:04	WG2303036
Toluene	U		0.00222	0.00855	1	06/11/2024 20:04	WG2303036
1,2,3-Trichlorobenzene	U		0.0125	0.0214	1	06/11/2024 20:04	WG2303036
1,2,4-Trichlorobenzene	U		0.00753	0.0214	1	06/11/2024 20:04	WG2303036
1,1,1-Trichloroethane	U		0.00158	0.00428	1	06/11/2024 20:04	WG2303036
1,1,2-Trichloroethane	U		0.00102	0.00428	1	06/11/2024 20:04	WG2303036
Trichloroethene	U		0.000999	0.00171	1	06/11/2024 20:04	WG2303036
Trichlorofluoromethane	U		0.00141	0.00428	1	06/11/2024 20:04	WG2303036
1,2,3-Trichloropropane	U		0.00277	0.0214	1	06/11/2024 20:04	WG2303036
1,2,4-Trimethylbenzene	U		0.00270	0.00855	1	06/11/2024 20:04	WG2303036
1,2,3-Trimethylbenzene	U		0.00270	0.00855	1	06/11/2024 20:04	WG2303036
1,3,5-Trimethylbenzene	U		0.00342	0.00855	1	06/11/2024 20:04	WG2303036
Vinyl chloride	U		0.00198	0.00428	1	06/11/2024 20:04	WG2303036
Xylenes, Total	U		0.00151	0.0111	1	06/11/2024 20:04	WG2303036
(S) Toluene-d8	*100*			*75.0-131*		*06/11/2024 20:04*	WG2303036
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 20:04*	WG2303036
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/11/2024 20:04*	WG2303036

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	06/03/2024 12:20	WG2296703

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		1.03	4.00	1	06/18/2024 17:15	WG2306181
Arsenic	U		0.180	2.00	1	06/18/2024 17:15	WG2306181
Barium	U		0.381	2.00	1	06/18/2024 17:15	WG2306181
Beryllium	U		0.190	2.00	1	06/18/2024 17:15	WG2306181
Cadmium	U		0.150	1.00	1	06/18/2024 17:15	WG2306181
Chromium	U		1.24	2.00	1	06/18/2024 17:15	WG2306181
Copper	U		1.51	5.00	1	06/18/2024 17:15	WG2306181
Cobalt	U		0.0596	2.00	1	06/18/2024 17:15	WG2306181
Lead	U		0.849	2.00	1	06/18/2024 17:15	WG2306181
Molybdenum	U		0.348	5.00	1	06/18/2024 17:15	WG2306181
Nickel	U		0.816	2.00	1	06/18/2024 17:15	WG2306181
Selenium	U		0.300	2.00	1	06/18/2024 17:15	WG2306181
Silver	U		0.0700	2.00	1	06/18/2024 17:15	WG2306181
Thallium	U		0.121	2.00	1	06/18/2024 17:15	WG2306181
Vanadium	U		0.664	5.00	1	06/18/2024 17:15	WG2306181
Zinc	U		3.02	25.0	1	06/18/2024 17:15	WG2306181

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHG C5 - C12	76.0	B J	30.4	100	1	06/12/2024 03:27	WG2303210
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*78.0-120*		*06/12/2024 03:27*	WG2303210

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	06/06/2024 12:15	WG2299510
Acrolein	U		2.54	50.0	1	06/06/2024 12:15	WG2299510
Acrylonitrile	U		0.671	10.0	1	06/06/2024 12:15	WG2299510
Benzene	U		0.0941	1.00	1	06/06/2024 12:15	WG2299510
Bromobenzene	U		0.118	1.00	1	06/06/2024 12:15	WG2299510
Bromodichloromethane	U		0.136	1.00	1	06/06/2024 12:15	WG2299510
Bromoform	U		0.129	1.00	1	06/06/2024 12:15	WG2299510
Bromomethane	U		0.605	5.00	1	06/06/2024 12:15	WG2299510
n-Butylbenzene	U		0.157	1.00	1	06/06/2024 12:15	WG2299510
sec-Butylbenzene	U		0.125	1.00	1	06/06/2024 12:15	WG2299510
tert-Butylbenzene	U		0.127	1.00	1	06/06/2024 12:15	WG2299510
Carbon tetrachloride	U		0.128	1.00	1	06/06/2024 12:15	WG2299510
Chlorobenzene	U		0.116	1.00	1	06/06/2024 12:15	WG2299510
Chlorodibromomethane	U	J4	0.140	1.00	1	06/06/2024 12:15	WG2299510
Chloroethane	U		0.192	5.00	1	06/06/2024 12:15	WG2299510
Chloroform	U		0.111	5.00	1	06/06/2024 12:15	WG2299510
Chloromethane	U		0.960	2.50	1	06/06/2024 12:15	WG2299510
2-Chlorotoluene	U		0.106	1.00	1	06/06/2024 12:15	WG2299510
4-Chlorotoluene	U		0.114	1.00	1	06/06/2024 12:15	WG2299510
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	06/06/2024 12:15	WG2299510
1,2-Dibromoethane	U		0.126	1.00	1	06/06/2024 12:15	WG2299510
Dibromomethane	U		0.122	1.00	1	06/06/2024 12:15	WG2299510
1,2-Dichlorobenzene	U		0.107	1.00	1	06/06/2024 12:15	WG2299510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,3-Dichlorobenzene	U		0.110	1.00	1	06/06/2024 12:15	WG2299510
1,4-Dichlorobenzene	U		0.120	1.00	1	06/06/2024 12:15	WG2299510
Dichlorodifluoromethane	U		0.374	5.00	1	06/06/2024 12:15	WG2299510
1,1-Dichloroethane	U		0.100	1.00	1	06/06/2024 12:15	WG2299510
1,2-Dichloroethane	U		0.0819	1.00	1	06/06/2024 12:15	WG2299510
1,1-Dichloroethene	U		0.188	1.00	1	06/06/2024 12:15	WG2299510
cis-1,2-Dichloroethene	U		0.126	1.00	1	06/06/2024 12:15	WG2299510
trans-1,2-Dichloroethene	U		0.149	1.00	1	06/06/2024 12:15	WG2299510
1,2-Dichloropropane	U		0.149	1.00	1	06/06/2024 12:15	WG2299510
1,1-Dichloropropene	U		0.142	1.00	1	06/06/2024 12:15	WG2299510
1,3-Dichloropropane	U		0.110	1.00	1	06/06/2024 12:15	WG2299510
cis-1,3-Dichloropropene	U		0.111	1.00	1	06/06/2024 12:15	WG2299510
trans-1,3-Dichloropropene	U		0.118	1.00	1	06/06/2024 12:15	WG2299510
2,2-Dichloropropane	U		0.161	1.00	1	06/06/2024 12:15	WG2299510
Di-isopropyl ether	U		0.105	1.00	1	06/06/2024 12:15	WG2299510
Ethylbenzene	U		0.137	1.00	1	06/06/2024 12:15	WG2299510
Hexachloro-1,3-butadiene	U		0.337	1.00	1	06/06/2024 12:15	WG2299510
Isopropylbenzene	U		0.105	1.00	1	06/06/2024 12:15	WG2299510
p-Isopropyltoluene	U		0.120	1.00	1	06/06/2024 12:15	WG2299510
2-Butanone (MEK)	U		1.19	10.0	1	06/06/2024 12:15	WG2299510
Methylene Chloride	U		0.430	5.00	1	06/06/2024 12:15	WG2299510
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	06/06/2024 12:15	WG2299510
Methyl tert-butyl ether	U		0.101	1.00	1	06/06/2024 12:15	WG2299510
Naphthalene	U		1.00	5.00	1	06/06/2024 12:15	WG2299510
n-Propylbenzene	U		0.0993	1.00	1	06/06/2024 12:15	WG2299510
Styrene	U		0.118	1.00	1	06/06/2024 12:15	WG2299510
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	06/06/2024 12:15	WG2299510
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	06/06/2024 12:15	WG2299510
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	06/06/2024 12:15	WG2299510
Tetrachloroethene	U		0.300	1.00	1	06/06/2024 12:15	WG2299510
Toluene	U		0.278	1.00	1	06/06/2024 12:15	WG2299510
1,2,3-Trichlorobenzene	U		0.230	1.00	1	06/06/2024 12:15	WG2299510
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/06/2024 12:15	WG2299510
1,1,1-Trichloroethane	U		0.149	1.00	1	06/06/2024 12:15	WG2299510
1,1,2-Trichloroethane	U		0.158	1.00	1	06/06/2024 12:15	WG2299510
Trichloroethene	U		0.190	1.00	1	06/06/2024 12:15	WG2299510
Trichlorofluoromethane	U		0.160	5.00	1	06/06/2024 12:15	WG2299510
1,2,3-Trichloropropane	U		0.237	2.50	1	06/06/2024 12:15	WG2299510
1,2,4-Trimethylbenzene	U		0.322	1.00	1	06/06/2024 12:15	WG2299510
1,2,3-Trimethylbenzene	U		0.104	1.00	1	06/06/2024 12:15	WG2299510
1,3,5-Trimethylbenzene	U		0.104	1.00	1	06/06/2024 12:15	WG2299510
Vinyl chloride	U		0.234	1.00	1	06/06/2024 12:15	WG2299510
Xylenes, Total	U		0.174	3.00	1	06/06/2024 12:15	WG2299510
(S) Toluene-d8	*103*			*80.0-120*		*06/06/2024 12:15*	WG2299510
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*06/06/2024 12:15*	WG2299510
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*06/06/2024 12:15*	WG2299510

Semi-Volatile Organic Compounds (GC) by Method 3511/8015

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
C12-C22 Hydrocarbons	U		33.0	100	1	06/02/2024 14:07	WG2296791
C22-C32 Hydrocarbons	U		33.0	100	1	06/02/2024 14:07	WG2296791
C32-C40 Hydrocarbons	U		33.0	100	1	06/02/2024 14:07	WG2296791
(S) o-Terphenyl	*65.8*			*52.0-156*		*06/02/2024 14:07*	WG2296791

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0203	0.0452	1	06/04/2024 09:52	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	21.2		0.614	2.26	1	06/09/2024 19:49	WG2299939
Arsenic	2.19	J	0.585	2.26	1	06/09/2024 19:49	WG2299939
Barium	316		0.0962	0.564	1	06/09/2024 19:49	WG2299939
Beryllium	1.11		0.0356	0.226	1	06/09/2024 19:49	WG2299939
Cadmium	3.04		0.0532	0.564	1	06/09/2024 19:49	WG2299939
Chromium	88.0		0.150	1.13	1	06/09/2024 19:49	WG2299939
Cobalt	4.36		0.0916	1.13	1	06/09/2024 19:49	WG2299939
Copper	79.7		0.452	2.26	1	06/09/2024 19:49	WG2299939
Lead	711		0.235	0.564	1	06/09/2024 19:49	WG2299939
Molybdenum	9.59		0.123	0.564	1	06/09/2024 19:49	WG2299939
Nickel	20.2		0.149	2.26	1	06/09/2024 19:49	WG2299939
Selenium	6.10		0.862	2.26	1	06/09/2024 19:49	WG2299939
Silver	3.75		0.143	1.13	1	06/10/2024 09:56	WG2299939
Thallium	1.51	J	0.445	2.26	1	06/09/2024 19:49	WG2299939
Vanadium	32.4		0.571	2.26	1	06/09/2024 19:49	WG2299939
Zinc	455		0.939	5.64	1	06/09/2024 19:49	WG2299939

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0266	0.0768	2	06/19/2024 07:36	WG2304583
PCB 1221	U		0.0266	0.0768	2	06/19/2024 07:36	WG2304583
PCB 1232	U		0.0266	0.0768	2	06/19/2024 07:36	WG2304583
PCB 1242	U		0.0266	0.0768	2	06/19/2024 07:36	WG2304583
PCB 1248	U		0.0167	0.0384	2	06/19/2024 07:36	WG2304583
PCB 1254	U		0.0167	0.0384	2	06/19/2024 07:36	WG2304583
PCB 1260	0.265		0.0167	0.0384	2	06/19/2024 23:10	WG2304583
(S) Decachlorobiphenyl	*80.8*			*10.0-135*		*06/19/2024 07:36*	WG2304583
(S) Decachlorobiphenyl	*97.8*			*10.0-135*		*06/19/2024 23:10*	WG2304583
(S) Tetrachloro-m-xylene	*106*			*10.0-139*		*06/19/2024 23:10*	WG2304583
(S) Tetrachloro-m-xylene	*88.1*			*10.0-139*		*06/19/2024 07:36*	WG2304583

Sample Narrative:

L1741921-56 WG2304583: Dilution due to sulfur cleanup.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0608	0.376	10	06/14/2024 12:04	WG2303251
Acenaphthylene	U		0.0529	0.376	10	06/14/2024 12:04	WG2303251
Anthracene	U		0.0669	0.376	10	06/14/2024 12:04	WG2303251
Benzidine	U		0.707	18.9	10	06/14/2024 12:04	WG2303251
Benzo(a)anthracene	U		0.0663	0.376	10	06/14/2024 12:04	WG2303251
Benzo(b)fluoranthene	U		0.0701	0.376	10	06/14/2024 12:04	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.0668	0.376	10	06/14/2024 12:04	WG2303251
Benzo(g,h,i)perylene	U		0.0687	0.376	10	06/14/2024 12:04	WG2303251
Benzo(a)pyrene	U		0.0699	0.376	10	06/14/2024 12:04	WG2303251
Bis(2-chlorethoxy)methane	U		0.113	3.76	10	06/14/2024 12:04	WG2303251
Bis(2-chloroethyl)ether	U		0.124	3.76	10	06/14/2024 12:04	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.163	3.76	10	06/14/2024 12:04	WG2303251
4-Bromophenyl-phenylether	U		0.132	3.76	10	06/14/2024 12:04	WG2303251
2-Chloronaphthalene	U		0.0660	0.376	10	06/14/2024 12:04	WG2303251
4-Chlorophenyl-phenylether	U		0.131	3.76	10	06/14/2024 12:04	WG2303251
Chrysene	U		0.0747	0.376	10	06/14/2024 12:04	WG2303251
Dibenz(a,h)anthracene	U		0.104	0.376	10	06/14/2024 12:04	WG2303251
1,2-Dichlorobenzene	U		0.111	3.76	10	06/14/2024 12:04	WG2303251
1,3-Dichlorobenzene	U		0.114	3.76	10	06/14/2024 12:04	WG2303251
1,4-Dichlorobenzene	U		0.112	3.76	10	06/14/2024 12:04	WG2303251
3,3-Dichlorobenzidine	U		0.139	3.76	10	06/14/2024 12:04	WG2303251
2,4-Dinitrotoluene	U		0.108	3.76	10	06/14/2024 12:04	WG2303251
2,6-Dinitrotoluene	U		0.123	3.76	10	06/14/2024 12:04	WG2303251
Fluoranthene	U		0.0678	0.376	10	06/14/2024 12:04	WG2303251
Fluorene	U		0.0612	0.376	10	06/14/2024 12:04	WG2303251
Hexachlorobenzene	U		0.133	3.76	10	06/14/2024 12:04	WG2303251
Hexachloro-1,3-butadiene	U		0.126	3.76	10	06/14/2024 12:04	WG2303251
Hexachlorocyclopentadiene	U		0.198	3.76	10	06/14/2024 12:04	WG2303251
Hexachloroethane	U		0.148	3.76	10	06/14/2024 12:04	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.106	0.376	10	06/14/2024 12:04	WG2303251
Isophorone	U		0.115	3.76	10	06/14/2024 12:04	WG2303251
Naphthalene	U		0.0944	0.376	10	06/14/2024 12:04	WG2303251
Nitrobenzene	U		0.131	3.76	10	06/14/2024 12:04	WG2303251
n-Nitrosodimethylamine	U		0.558	3.76	10	06/14/2024 12:04	WG2303251
n-Nitrosodiphenylamine	U		0.284	3.76	10	06/14/2024 12:04	WG2303251
n-Nitrosodi-n-propylamine	U		0.125	3.76	10	06/14/2024 12:04	WG2303251
Phenanthrene	U		0.0746	0.376	10	06/14/2024 12:04	WG2303251
Benzylbutyl phthalate	U		0.117	3.76	10	06/14/2024 12:04	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.476	3.76	10	06/14/2024 12:04	WG2303251
Di-n-butyl phthalate	U		0.129	3.76	10	06/14/2024 12:04	WG2303251
Diethyl phthalate	U		0.124	3.76	10	06/14/2024 12:04	WG2303251
Dimethyl phthalate	U		0.797	3.76	10	06/14/2024 12:04	WG2303251
Di-n-octyl phthalate	U		0.254	3.76	10	06/14/2024 12:04	WG2303251
Pyrene	U		0.0732	0.376	10	06/14/2024 12:04	WG2303251
1,2,4-Trichlorobenzene	U		0.117	3.76	10	06/14/2024 12:04	WG2303251
4-Chloro-3-methylphenol	U		0.122	3.76	10	06/14/2024 12:04	WG2303251
2-Chlorophenol	U		0.124	3.76	10	06/14/2024 12:04	WG2303251
2,4-Dichlorophenol	U		0.110	3.76	10	06/14/2024 12:04	WG2303251
2,4-Dimethylphenol	U		0.0982	3.76	10	06/14/2024 12:04	WG2303251
4,6-Dinitro-2-methylphenol	U		0.852	3.76	10	06/14/2024 12:04	WG2303251
2,4-Dinitrophenol	U		0.879	3.76	10	06/14/2024 12:04	WG2303251
2-Nitrophenol	U		0.134	3.76	10	06/14/2024 12:04	WG2303251
4-Nitrophenol	U		0.117	3.76	10	06/14/2024 12:04	WG2303251
Pentachlorophenol	U		0.101	3.76	10	06/14/2024 12:04	WG2303251
Phenol	U		0.151	3.76	10	06/14/2024 12:04	WG2303251
2,4,6-Trichlorophenol	U		0.121	3.76	10	06/14/2024 12:04	WG2303251
(S) 2-Fluorophenol	*79.9*			*12.0-120*		*06/14/2024 12:04*	WG2303251
(S) Phenol-d5	*71.8*			*10.0-120*		*06/14/2024 12:04*	WG2303251
(S) Nitrobenzene-d5	*62.8*			*10.0-122*		*06/14/2024 12:04*	WG2303251
(S) 2-Fluorobiphenyl	*73.1*			*15.0-120*		*06/14/2024 12:04*	WG2303251
(S) 2,4,6-Tribromophenol	*79.3*			*10.0-127*		*06/14/2024 12:04*	WG2303251
(S) p-Terphenyl-d14	*89.7*			*10.0-120*		*06/14/2024 12:04*	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

Sample Narrative:

L1741921-56 WG2303251: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.193		0.0200	0.0444	1	06/04/2024 09:32	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	9.09		0.604	2.22	1	06/09/2024 19:51	WG2299939
Arsenic	2.28		0.575	2.22	1	06/09/2024 19:51	WG2299939
Barium	128		0.0946	0.555	1	06/09/2024 19:51	WG2299939
Beryllium	0.204	J	0.0350	0.222	1	06/09/2024 19:51	WG2299939
Cadmium	1.43		0.0523	0.555	1	06/09/2024 19:51	WG2299939
Chromium	22.1		0.148	1.11	1	06/09/2024 19:51	WG2299939
Cobalt	9.76		0.0900	1.11	1	06/09/2024 19:51	WG2299939
Copper	36.1		0.444	2.22	1	06/09/2024 19:51	WG2299939
Lead	106		0.231	0.555	1	06/09/2024 19:51	WG2299939
Molybdenum	1.26		0.121	0.555	1	06/09/2024 19:51	WG2299939
Nickel	27.5		0.147	2.22	1	06/09/2024 19:51	WG2299939
Selenium	U		0.848	2.22	1	06/09/2024 19:51	WG2299939
Silver	0.558	J	0.141	1.11	1	06/10/2024 09:58	WG2299939
Thallium	U		0.437	2.22	1	06/09/2024 19:51	WG2299939
Vanadium	33.9		0.562	2.22	1	06/09/2024 19:51	WG2299939
Zinc	265		0.924	5.55	1	06/09/2024 19:51	WG2299939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0450	0.0617	1	06/11/2024 20:24	WG2303036
Acrylonitrile	U		0.00445	0.0154	1	06/11/2024 20:24	WG2303036
Benzene	U		0.000576	0.00123	1	06/11/2024 20:24	WG2303036
Bromobenzene	U		0.00111	0.0154	1	06/11/2024 20:24	WG2303036
Bromodichloromethane	U		0.000895	0.00308	1	06/11/2024 20:24	WG2303036
Bromoform	U		0.00144	0.0308	1	06/11/2024 20:24	WG2303036
Bromomethane	U		0.00243	0.0154	1	06/11/2024 20:24	WG2303036
n-Butylbenzene	0.00999	J	0.00648	0.0154	1	06/11/2024 20:24	WG2303036
sec-Butylbenzene	U		0.00355	0.0154	1	06/11/2024 20:24	WG2303036
tert-Butylbenzene	0.00345	J	0.00241	0.00617	1	06/11/2024 20:24	WG2303036
Carbon tetrachloride	U		0.00111	0.00617	1	06/11/2024 20:24	WG2303036
Chlorobenzene	U		0.000259	0.00308	1	06/11/2024 20:24	WG2303036
Chlorodibromomethane	U		0.000755	0.00308	1	06/11/2024 20:24	WG2303036
Chloroethane	U		0.00210	0.00617	1	06/11/2024 20:24	WG2303036
Chloroform	U		0.00127	0.00308	1	06/11/2024 20:24	WG2303036
Chloromethane	U		0.00537	0.0154	1	06/11/2024 20:24	WG2303036
2-Chlorotoluene	U		0.00107	0.00308	1	06/11/2024 20:24	WG2303036
4-Chlorotoluene	U		0.000555	0.00617	1	06/11/2024 20:24	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00481	0.0308	1	06/11/2024 20:24	WG2303036
1,2-Dibromoethane	U		0.000800	0.00308	1	06/11/2024 20:24	WG2303036
Dibromomethane	U		0.000925	0.00617	1	06/11/2024 20:24	WG2303036
1,2-Dichlorobenzene	U		0.000524	0.00617	1	06/11/2024 20:24	WG2303036
1,3-Dichlorobenzene	U		0.000740	0.00617	1	06/11/2024 20:24	WG2303036
1,4-Dichlorobenzene	U		0.000864	0.00617	1	06/11/2024 20:24	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00199	0.00617	1	06/11/2024 20:24	WG2303036
1,1-Dichloroethane	U		0.000606	0.00308	1	06/11/2024 20:24	WG2303036
1,2-Dichloroethane	U		0.000801	0.00308	1	06/11/2024 20:24	WG2303036
1,1-Dichloroethene	U		0.000748	0.00308	1	06/11/2024 20:24	WG2303036
cis-1,2-Dichloroethene	U		0.000906	0.00308	1	06/11/2024 20:24	WG2303036
trans-1,2-Dichloroethene	U		0.00128	0.00617	1	06/11/2024 20:24	WG2303036
1,2-Dichloropropane	U		0.00175	0.00617	1	06/11/2024 20:24	WG2303036
1,1-Dichloropropene	U		0.000998	0.00308	1	06/11/2024 20:24	WG2303036
1,3-Dichloropropane	U		0.000618	0.00617	1	06/11/2024 20:24	WG2303036
cis-1,3-Dichloropropene	U		0.000934	0.00308	1	06/11/2024 20:24	WG2303036
trans-1,3-Dichloropropene	U		0.00141	0.00617	1	06/11/2024 20:24	WG2303036
2,2-Dichloropropane	U		0.00170	0.00308	1	06/11/2024 20:24	WG2303036
Di-isopropyl ether	U		0.000506	0.00123	1	06/11/2024 20:24	WG2303036
Ethylbenzene	U		0.000909	0.00308	1	06/11/2024 20:24	WG2303036
Hexachloro-1,3-butadiene	U		0.00740	0.0308	1	06/11/2024 20:24	WG2303036
Isopropylbenzene	U		0.000524	0.00308	1	06/11/2024 20:24	WG2303036
p-Isopropyltoluene	U		0.00315	0.00617	1	06/11/2024 20:24	WG2303036
2-Butanone (MEK)	U		0.0784	0.123	1	06/11/2024 20:24	WG2303036
Methylene Chloride	U		0.00819	0.0308	1	06/11/2024 20:24	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00281	0.0308	1	06/11/2024 20:24	WG2303036
Methyl tert-butyl ether	U		0.000432	0.00123	1	06/11/2024 20:24	WG2303036
Naphthalene	U		0.00602	0.0154	1	06/11/2024 20:24	WG2303036
n-Propylbenzene	U		0.00117	0.00617	1	06/11/2024 20:24	WG2303036
Styrene	U		0.000283	0.0154	1	06/11/2024 20:24	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00117	0.00308	1	06/11/2024 20:24	WG2303036
1,1,2,2-Tetrachloroethane	U		0.000858	0.00308	1	06/11/2024 20:24	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.000930	0.00308	1	06/11/2024 20:24	WG2303036
Tetrachloroethene	U		0.00111	0.00308	1	06/11/2024 20:24	WG2303036
Toluene	U		0.00160	0.00617	1	06/11/2024 20:24	WG2303036
1,2,3-Trichlorobenzene	U		0.00904	0.0154	1	06/11/2024 20:24	WG2303036
1,2,4-Trichlorobenzene	U		0.00543	0.0154	1	06/11/2024 20:24	WG2303036
1,1,1-Trichloroethane	U		0.00114	0.00308	1	06/11/2024 20:24	WG2303036
1,1,2-Trichloroethane	U		0.000737	0.00308	1	06/11/2024 20:24	WG2303036
Trichloroethene	U		0.000721	0.00123	1	06/11/2024 20:24	WG2303036
Trichlorofluoromethane	U		0.00102	0.00308	1	06/11/2024 20:24	WG2303036
1,2,3-Trichloropropane	U		0.00200	0.0154	1	06/11/2024 20:24	WG2303036
1,2,4-Trimethylbenzene	0.00200	J	0.00195	0.00617	1	06/11/2024 20:24	WG2303036
1,2,3-Trimethylbenzene	U		0.00195	0.00617	1	06/11/2024 20:24	WG2303036
1,3,5-Trimethylbenzene	U		0.00247	0.00617	1	06/11/2024 20:24	WG2303036
Vinyl chloride	U		0.00143	0.00308	1	06/11/2024 20:24	WG2303036
Xylenes, Total	0.00209	J	0.00109	0.00802	1	06/11/2024 20:24	WG2303036
(S) Toluene-d8	*99.0*			*75.0-131*		*06/11/2024 20:24*	WG2303036
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*06/11/2024 20:24*	WG2303036
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*06/11/2024 20:24*	WG2303036

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00598	0.0370	1	06/13/2024 21:03	WG2303251
Acenaphthylene	U		0.00521	0.0370	1	06/13/2024 21:03	WG2303251
Anthracene	U		0.00658	0.0370	1	06/13/2024 21:03	WG2303251
Benzidine	U		0.0695	1.85	1	06/13/2024 21:03	WG2303251
Benzo(a)anthracene	U		0.00652	0.0370	1	06/13/2024 21:03	WG2303251
Benzo(b)fluoranthene	U		0.00689	0.0370	1	06/13/2024 21:03	WG2303251
Benzo(k)fluoranthene	U		0.00657	0.0370	1	06/13/2024 21:03	WG2303251
Benzo(g,h,i)perylene	U		0.00676	0.0370	1	06/13/2024 21:03	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00687	0.0370	1	06/13/2024 21:03	WG2303251
Bis(2-chlorethoxy)methane	U		0.0111	0.370	1	06/13/2024 21:03	WG2303251
Bis(2-chloroethyl)ether	U		0.0122	0.370	1	06/13/2024 21:03	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0160	0.370	1	06/13/2024 21:03	WG2303251
4-Bromophenyl-phenylether	U		0.0130	0.370	1	06/13/2024 21:03	WG2303251
2-Chloronaphthalene	U		0.00649	0.0370	1	06/13/2024 21:03	WG2303251
4-Chlorophenyl-phenylether	U		0.0129	0.370	1	06/13/2024 21:03	WG2303251
Chrysene	U		0.00735	0.0370	1	06/13/2024 21:03	WG2303251
Dibenz(a,h)anthracene	U		0.0102	0.0370	1	06/13/2024 21:03	WG2303251
1,2-Dichlorobenzene	U		0.0110	0.370	1	06/13/2024 21:03	WG2303251
1,3-Dichlorobenzene	U		0.0112	0.370	1	06/13/2024 21:03	WG2303251
1,4-Dichlorobenzene	U		0.0110	0.370	1	06/13/2024 21:03	WG2303251
3,3-Dichlorobenzidine	U		0.0137	0.370	1	06/13/2024 21:03	WG2303251
2,4-Dinitrotoluene	U		0.0106	0.370	1	06/13/2024 21:03	WG2303251
2,6-Dinitrotoluene	U		0.0121	0.370	1	06/13/2024 21:03	WG2303251
Fluoranthene	U		0.00667	0.0370	1	06/13/2024 21:03	WG2303251
Fluorene	U		0.00602	0.0370	1	06/13/2024 21:03	WG2303251
Hexachlorobenzene	U		0.0131	0.370	1	06/13/2024 21:03	WG2303251
Hexachloro-1,3-butadiene	U		0.0124	0.370	1	06/13/2024 21:03	WG2303251
Hexachlorocyclopentadiene	U		0.0194	0.370	1	06/13/2024 21:03	WG2303251
Hexachloroethane	U		0.0145	0.370	1	06/13/2024 21:03	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0104	0.0370	1	06/13/2024 21:03	WG2303251
Isophorone	U		0.0113	0.370	1	06/13/2024 21:03	WG2303251
Naphthalene	U		0.00928	0.0370	1	06/13/2024 21:03	WG2303251
Nitrobenzene	U		0.0129	0.370	1	06/13/2024 21:03	WG2303251
n-Nitrosodimethylamine	U		0.0548	0.370	1	06/13/2024 21:03	WG2303251
n-Nitrosodiphenylamine	U		0.0280	0.370	1	06/13/2024 21:03	WG2303251
n-Nitrosodi-n-propylamine	U		0.0123	0.370	1	06/13/2024 21:03	WG2303251
Phenanthrene	U		0.00734	0.0370	1	06/13/2024 21:03	WG2303251
Benzylbutyl phthalate	U		0.0115	0.370	1	06/13/2024 21:03	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0469	0.370	1	06/13/2024 21:03	WG2303251
Di-n-butyl phthalate	U		0.0127	0.370	1	06/13/2024 21:03	WG2303251
Diethyl phthalate	U		0.0122	0.370	1	06/13/2024 21:03	WG2303251
Dimethyl phthalate	U		0.0784	0.370	1	06/13/2024 21:03	WG2303251
Di-n-octyl phthalate	U		0.0250	0.370	1	06/13/2024 21:03	WG2303251
Pyrene	U		0.00719	0.0370	1	06/13/2024 21:03	WG2303251
1,2,4-Trichlorobenzene	U		0.0115	0.370	1	06/13/2024 21:03	WG2303251
4-Chloro-3-methylphenol	U		0.0120	0.370	1	06/13/2024 21:03	WG2303251
2-Chlorophenol	U		0.0122	0.370	1	06/13/2024 21:03	WG2303251
2,4-Dichlorophenol	U		0.0108	0.370	1	06/13/2024 21:03	WG2303251
2,4-Dimethylphenol	U		0.00966	0.370	1	06/13/2024 21:03	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0838	0.370	1	06/13/2024 21:03	WG2303251
2,4-Dinitrophenol	U		0.0865	0.370	1	06/13/2024 21:03	WG2303251
2-Nitrophenol	U		0.0132	0.370	1	06/13/2024 21:03	WG2303251
4-Nitrophenol	U		0.0115	0.370	1	06/13/2024 21:03	WG2303251
Pentachlorophenol	U		0.00995	0.370	1	06/13/2024 21:03	WG2303251
Phenol	U		0.0149	0.370	1	06/13/2024 21:03	WG2303251
2,4,6-Trichlorophenol	U		0.0119	0.370	1	06/13/2024 21:03	WG2303251
(S) 2-Fluorophenol	*70.1*			*12.0-120*		*06/13/2024 21:03*	WG2303251
(S) Phenol-d5	*65.0*			*10.0-120*		*06/13/2024 21:03*	WG2303251
(S) Nitrobenzene-d5	*55.0*			*10.0-122*		*06/13/2024 21:03*	WG2303251
(S) 2-Fluorobiphenyl	*62.2*			*15.0-120*		*06/13/2024 21:03*	WG2303251
(S) 2,4,6-Tribromophenol	*63.8*			*10.0-127*		*06/13/2024 21:03*	WG2303251
(S) p-Terphenyl-d14	*71.2*			*10.0-120*		*06/13/2024 21:03*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0607		0.0223	0.0496	1	06/04/2024 09:55	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.98		0.675	2.48	1	06/09/2024 19:53	WG2299939
Arsenic	U		0.642	2.48	1	06/09/2024 19:53	WG2299939
Barium	154		0.106	0.620	1	06/09/2024 19:53	WG2299939
Beryllium	0.412		0.0391	0.248	1	06/09/2024 19:53	WG2299939
Cadmium	0.109	J	0.0584	0.620	1	06/09/2024 19:53	WG2299939
Chromium	47.4		0.165	1.24	1	06/09/2024 19:53	WG2299939
Cobalt	10.6		0.101	1.24	1	06/09/2024 19:53	WG2299939
Copper	21.9		0.496	2.48	1	06/09/2024 19:53	WG2299939
Lead	10.1		0.258	0.620	1	06/09/2024 19:53	WG2299939
Molybdenum	0.481	J	0.135	0.620	1	06/09/2024 19:53	WG2299939
Nickel	51.8		0.164	2.48	1	06/09/2024 19:53	WG2299939
Selenium	U		0.948	2.48	1	06/09/2024 19:53	WG2299939
Silver	0.228	J	0.158	1.24	1	06/10/2024 10:00	WG2299939
Thallium	U		0.489	2.48	1	06/09/2024 19:53	WG2299939
Vanadium	44.8		0.628	2.48	1	06/09/2024 19:53	WG2299939
Zinc	53.4		1.03	6.20	1	06/09/2024 19:53	WG2299939

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.39	J	1.28	3.86	25	06/06/2024 03:26	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/06/2024 03:26*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0564	0.0772	1	06/11/2024 20:43	WG2303036
Acrylonitrile	U		0.00557	0.0193	1	06/11/2024 20:43	WG2303036
Benzene	U		0.000721	0.00154	1	06/11/2024 20:43	WG2303036
Bromobenzene	U		0.00139	0.0193	1	06/11/2024 20:43	WG2303036
Bromodichloromethane	U		0.00112	0.00386	1	06/11/2024 20:43	WG2303036
Bromoform	U		0.00181	0.0386	1	06/11/2024 20:43	WG2303036
Bromomethane	U		0.00304	0.0193	1	06/11/2024 20:43	WG2303036
n-Butylbenzene	U		0.00811	0.0193	1	06/11/2024 20:43	WG2303036
sec-Butylbenzene	U		0.00445	0.0193	1	06/11/2024 20:43	WG2303036
tert-Butylbenzene	U		0.00301	0.00772	1	06/11/2024 20:43	WG2303036
Carbon tetrachloride	U		0.00139	0.00772	1	06/11/2024 20:43	WG2303036
Chlorobenzene	U		0.000324	0.00386	1	06/11/2024 20:43	WG2303036
Chlorodibromomethane	U		0.000945	0.00386	1	06/11/2024 20:43	WG2303036
Chloroethane	U		0.00262	0.00772	1	06/11/2024 20:43	WG2303036
Chloroform	U		0.00159	0.00386	1	06/11/2024 20:43	WG2303036
Chloromethane	U		0.00672	0.0193	1	06/11/2024 20:43	WG2303036
2-Chlorotoluene	0.0112		0.00134	0.00386	1	06/11/2024 20:43	WG2303036
4-Chlorotoluene	U		0.000695	0.00772	1	06/11/2024 20:43	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00602	0.0386	1	06/11/2024 20:43	WG2303036
1,2-Dibromoethane	U		0.00100	0.00386	1	06/11/2024 20:43	WG2303036
Dibromomethane	U		0.00116	0.00772	1	06/11/2024 20:43	WG2303036
1,2-Dichlorobenzene	U		0.000656	0.00772	1	06/11/2024 20:43	WG2303036
1,3-Dichlorobenzene	U		0.000926	0.00772	1	06/11/2024 20:43	WG2303036
1,4-Dichlorobenzene	U		0.00108	0.00772	1	06/11/2024 20:43	WG2303036
Dichlorodifluoromethane	U		0.00249	0.00772	1	06/11/2024 20:43	WG2303036
1,1-Dichloroethane	U		0.000758	0.00386	1	06/11/2024 20:43	WG2303036
1,2-Dichloroethane	U		0.00100	0.00386	1	06/11/2024 20:43	WG2303036
1,1-Dichloroethene	U		0.000936	0.00386	1	06/11/2024 20:43	WG2303036
cis-1,2-Dichloroethene	U		0.00113	0.00386	1	06/11/2024 20:43	WG2303036
trans-1,2-Dichloroethene	U		0.00161	0.00772	1	06/11/2024 20:43	WG2303036
1,2-Dichloropropane	U		0.00219	0.00772	1	06/11/2024 20:43	WG2303036
1,1-Dichloropropene	U		0.00125	0.00386	1	06/11/2024 20:43	WG2303036
1,3-Dichloropropane	U		0.000774	0.00772	1	06/11/2024 20:43	WG2303036
cis-1,3-Dichloropropene	U		0.00117	0.00386	1	06/11/2024 20:43	WG2303036
trans-1,3-Dichloropropene	U		0.00176	0.00772	1	06/11/2024 20:43	WG2303036
2,2-Dichloropropane	U		0.00213	0.00386	1	06/11/2024 20:43	WG2303036
Di-isopropyl ether	U		0.000633	0.00154	1	06/11/2024 20:43	WG2303036
Ethylbenzene	U		0.00114	0.00386	1	06/11/2024 20:43	WG2303036
Hexachloro-1,3-butadiene	U		0.00926	0.0386	1	06/11/2024 20:43	WG2303036
Isopropylbenzene	0.00769		0.000656	0.00386	1	06/11/2024 20:43	WG2303036
p-Isopropyltoluene	U		0.00394	0.00772	1	06/11/2024 20:43	WG2303036
2-Butanone (MEK)	U		0.0980	0.154	1	06/11/2024 20:43	WG2303036
Methylene Chloride	U		0.0103	0.0386	1	06/11/2024 20:43	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00352	0.0386	1	06/11/2024 20:43	WG2303036
Methyl tert-butyl ether	U		0.000540	0.00154	1	06/11/2024 20:43	WG2303036
Naphthalene	U		0.00754	0.0193	1	06/11/2024 20:43	WG2303036
n-Propylbenzene	0.00165	J	0.00147	0.00772	1	06/11/2024 20:43	WG2303036
Styrene	U		0.000354	0.0193	1	06/11/2024 20:43	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00146	0.00386	1	06/11/2024 20:43	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00107	0.00386	1	06/11/2024 20:43	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00386	1	06/11/2024 20:43	WG2303036
Tetrachloroethene	U		0.00138	0.00386	1	06/11/2024 20:43	WG2303036
Toluene	U		0.00201	0.00772	1	06/11/2024 20:43	WG2303036
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1	06/11/2024 20:43	WG2303036
1,2,4-Trichlorobenzene	U		0.00679	0.0193	1	06/11/2024 20:43	WG2303036
1,1,1-Trichloroethane	U		0.00143	0.00386	1	06/11/2024 20:43	WG2303036
1,1,2-Trichloroethane	U		0.000922	0.00386	1	06/11/2024 20:43	WG2303036
Trichloroethene	U		0.000902	0.00154	1	06/11/2024 20:43	WG2303036
Trichlorofluoromethane	U		0.00128	0.00386	1	06/11/2024 20:43	WG2303036
1,2,3-Trichloropropane	U		0.00250	0.0193	1	06/11/2024 20:43	WG2303036
1,2,4-Trimethylbenzene	U		0.00244	0.00772	1	06/11/2024 20:43	WG2303036
1,2,3-Trimethylbenzene	U		0.00244	0.00772	1	06/11/2024 20:43	WG2303036
1,3,5-Trimethylbenzene	U		0.00309	0.00772	1	06/11/2024 20:43	WG2303036
Vinyl chloride	U		0.00179	0.00386	1	06/11/2024 20:43	WG2303036
Xylenes, Total	0.00222	J	0.00136	0.0100	1	06/11/2024 20:43	WG2303036
(S) Toluene-d8	*101*			*75.0-131*		*06/11/2024 20:43*	WG2303036
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*06/11/2024 20:43*	WG2303036
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*06/11/2024 20:43*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3.30	J	0.909	4.96	1	06/13/2024 12:13	WG2303234
C22-C32 Hydrocarbons	6.00		1.65	4.96	1	06/13/2024 12:13	WG2303234
C32-C40 Hydrocarbons	3.70	J	1.65	4.96	1	06/13/2024 12:13	WG2303234
(S) o-Terphenyl	*55.4*			*18.0-148*		*06/13/2024 12:13*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00668	0.0413	1	06/13/2024 21:27	WG2303251
Acenaphthylene	U		0.00582	0.0413	1	06/13/2024 21:27	WG2303251
Anthracene	U		0.00735	0.0413	1	06/13/2024 21:27	WG2303251
Benzidine	U		0.0776	2.07	1	06/13/2024 21:27	WG2303251
Benzo(a)anthracene	U		0.00728	0.0413	1	06/13/2024 21:27	WG2303251
Benzo(b)fluoranthene	U		0.00770	0.0413	1	06/13/2024 21:27	WG2303251
Benzo(k)fluoranthene	U		0.00734	0.0413	1	06/13/2024 21:27	WG2303251
Benzo(g,h,i)perylene	U		0.00755	0.0413	1	06/13/2024 21:27	WG2303251
Benzo(a)pyrene	U		0.00768	0.0413	1	06/13/2024 21:27	WG2303251
Bis(2-chlorethoxy)methane	U		0.0124	0.413	1	06/13/2024 21:27	WG2303251
Bis(2-chloroethyl)ether	U		0.0136	0.413	1	06/13/2024 21:27	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0179	0.413	1	06/13/2024 21:27	WG2303251
4-Bromophenyl-phenylether	U		0.0145	0.413	1	06/13/2024 21:27	WG2303251
2-Chloronaphthalene	U		0.00726	0.0413	1	06/13/2024 21:27	WG2303251
4-Chlorophenyl-phenylether	U		0.0144	0.413	1	06/13/2024 21:27	WG2303251
Chrysene	U		0.00821	0.0413	1	06/13/2024 21:27	WG2303251
Dibenz(a,h)anthracene	U		0.0114	0.0413	1	06/13/2024 21:27	WG2303251
1,2-Dichlorobenzene	U		0.0122	0.413	1	06/13/2024 21:27	WG2303251
1,3-Dichlorobenzene	U		0.0125	0.413	1	06/13/2024 21:27	WG2303251
1,4-Dichlorobenzene	U		0.0123	0.413	1	06/13/2024 21:27	WG2303251
3,3-Dichlorobenzidine	U		0.0153	0.413	1	06/13/2024 21:27	WG2303251
2,4-Dinitrotoluene	U		0.0118	0.413	1	06/13/2024 21:27	WG2303251
2,6-Dinitrotoluene	U		0.0135	0.413	1	06/13/2024 21:27	WG2303251
Fluoranthene	U		0.00745	0.0413	1	06/13/2024 21:27	WG2303251
Fluorene	U		0.00672	0.0413	1	06/13/2024 21:27	WG2303251
Hexachlorobenzene	U		0.0146	0.413	1	06/13/2024 21:27	WG2303251
Hexachloro-1,3-butadiene	U		0.0139	0.413	1	06/13/2024 21:27	WG2303251
Hexachlorocyclopentadiene	U		0.0217	0.413	1	06/13/2024 21:27	WG2303251
Hexachloroethane	U		0.0162	0.413	1	06/13/2024 21:27	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0117	0.0413	1	06/13/2024 21:27	WG2303251
Isophorone	U		0.0127	0.413	1	06/13/2024 21:27	WG2303251
Naphthalene	U		0.0104	0.0413	1	06/13/2024 21:27	WG2303251
Nitrobenzene	U		0.0144	0.413	1	06/13/2024 21:27	WG2303251
n-Nitrosodimethylamine	U		0.0613	0.413	1	06/13/2024 21:27	WG2303251
n-Nitrosodiphenylamine	U		0.0313	0.413	1	06/13/2024 21:27	WG2303251
n-Nitrosodi-n-propylamine	U		0.0138	0.413	1	06/13/2024 21:27	WG2303251
Phenanthrene	U		0.00820	0.0413	1	06/13/2024 21:27	WG2303251
Benzylbutyl phthalate	U		0.0129	0.413	1	06/13/2024 21:27	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0523	0.413	1	06/13/2024 21:27	WG2303251
Di-n-butyl phthalate	U		0.0141	0.413	1	06/13/2024 21:27	WG2303251
Diethyl phthalate	U		0.0136	0.413	1	06/13/2024 21:27	WG2303251
Dimethyl phthalate	U		0.0876	0.413	1	06/13/2024 21:27	WG2303251
Di-n-octyl phthalate	U		0.0279	0.413	1	06/13/2024 21:27	WG2303251
Pyrene	U		0.00804	0.0413	1	06/13/2024 21:27	WG2303251
1,2,4-Trichlorobenzene	U		0.0129	0.413	1	06/13/2024 21:27	WG2303251
4-Chloro-3-methylphenol	U		0.0134	0.413	1	06/13/2024 21:27	WG2303251
2-Chlorophenol	U		0.0136	0.413	1	06/13/2024 21:27	WG2303251
2,4-Dichlorophenol	U		0.0120	0.413	1	06/13/2024 21:27	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.0108	0.413	1	06/13/2024 21:27	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0936	0.413	1	06/13/2024 21:27	WG2303251
2,4-Dinitrophenol	U		0.0966	0.413	1	06/13/2024 21:27	WG2303251
2-Nitrophenol	U		0.0148	0.413	1	06/13/2024 21:27	WG2303251
4-Nitrophenol	U		0.0129	0.413	1	06/13/2024 21:27	WG2303251
Pentachlorophenol	U		0.0111	0.413	1	06/13/2024 21:27	WG2303251
Phenol	U		0.0166	0.413	1	06/13/2024 21:27	WG2303251
2,4,6-Trichlorophenol	U		0.0133	0.413	1	06/13/2024 21:27	WG2303251
(S) 2-Fluorophenol	*73.1*			*12.0-120*		*06/13/2024 21:27*	WG2303251
(S) Phenol-d5	*67.9*			*10.0-120*		*06/13/2024 21:27*	WG2303251
(S) Nitrobenzene-d5	*56.4*			*10.0-122*		*06/13/2024 21:27*	WG2303251
(S) 2-Fluorobiphenyl	*65.7*			*15.0-120*		*06/13/2024 21:27*	WG2303251
(S) 2,4,6-Tribromophenol	*64.0*			*10.0-127*		*06/13/2024 21:27*	WG2303251
(S) p-Terphenyl-d14	*73.8*			*10.0-120*		*06/13/2024 21:27*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.17	B J	1.27	3.82	25.5	06/13/2024 04:26	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*06/13/2024 04:26*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0557	0.0764	1.02	06/13/2024 03:08	WG2304116
Acrylonitrile	U		0.00551	0.0192	1.02	06/13/2024 03:08	WG2304116
Benzene	U		0.000713	0.00153	1.02	06/13/2024 03:08	WG2304116
Bromobenzene	U		0.00138	0.0192	1.02	06/13/2024 03:08	WG2304116
Bromodichloromethane	U		0.00111	0.00382	1.02	06/13/2024 03:08	WG2304116
Bromoform	U		0.00178	0.0382	1.02	06/13/2024 03:08	WG2304116
Bromomethane	U		0.00301	0.0192	1.02	06/13/2024 03:08	WG2304116
n-Butylbenzene	U		0.00801	0.0192	1.02	06/13/2024 03:08	WG2304116
sec-Butylbenzene	U		0.00440	0.0192	1.02	06/13/2024 03:08	WG2304116
tert-Butylbenzene	U		0.00298	0.00764	1.02	06/13/2024 03:08	WG2304116
Carbon tetrachloride	U		0.00137	0.00764	1.02	06/13/2024 03:08	WG2304116
Chlorobenzene	U		0.000321	0.00382	1.02	06/13/2024 03:08	WG2304116
Chlorodibromomethane	U		0.000935	0.00382	1.02	06/13/2024 03:08	WG2304116
Chloroethane	U		0.00259	0.00764	1.02	06/13/2024 03:08	WG2304116
Chloroform	U		0.00157	0.00382	1.02	06/13/2024 03:08	WG2304116
Chloromethane	U		0.00665	0.0192	1.02	06/13/2024 03:08	WG2304116
2-Chlorotoluene	U		0.00132	0.00382	1.02	06/13/2024 03:08	WG2304116
4-Chlorotoluene	U		0.000688	0.00764	1.02	06/13/2024 03:08	WG2304116
1,2-Dibromo-3-Chloropropane	U		0.00596	0.0382	1.02	06/13/2024 03:08	WG2304116
1,2-Dibromoethane	U		0.000990	0.00382	1.02	06/13/2024 03:08	WG2304116
Dibromomethane	U		0.00115	0.00764	1.02	06/13/2024 03:08	WG2304116
1,2-Dichlorobenzene	U		0.000649	0.00764	1.02	06/13/2024 03:08	WG2304116
1,3-Dichlorobenzene	U		0.000917	0.00764	1.02	06/13/2024 03:08	WG2304116
1,4-Dichlorobenzene	U		0.00107	0.00764	1.02	06/13/2024 03:08	WG2304116
Dichlorodifluoromethane	U		0.00246	0.00764	1.02	06/13/2024 03:08	WG2304116
1,1-Dichloroethane	U		0.000750	0.00382	1.02	06/13/2024 03:08	WG2304116
1,2-Dichloroethane	U		0.000992	0.00382	1.02	06/13/2024 03:08	WG2304116
1,1-Dichloroethene	U		0.000926	0.00382	1.02	06/13/2024 03:08	WG2304116
cis-1,2-Dichloroethene	U		0.00112	0.00382	1.02	06/13/2024 03:08	WG2304116
trans-1,2-Dichloroethene	U		0.00159	0.00764	1.02	06/13/2024 03:08	WG2304116
1,2-Dichloropropane	U		0.00217	0.00764	1.02	06/13/2024 03:08	WG2304116
1,1-Dichloropropene	U		0.00124	0.00382	1.02	06/13/2024 03:08	WG2304116
1,3-Dichloropropane	U		0.000765	0.00764	1.02	06/13/2024 03:08	WG2304116
cis-1,3-Dichloropropene	U		0.00116	0.00382	1.02	06/13/2024 03:08	WG2304116
trans-1,3-Dichloropropene	U		0.00174	0.00764	1.02	06/13/2024 03:08	WG2304116
2,2-Dichloropropane	U		0.00211	0.00382	1.02	06/13/2024 03:08	WG2304116
Di-isopropyl ether	U		0.000626	0.00153	1.02	06/13/2024 03:08	WG2304116
Ethylbenzene	U		0.00113	0.00382	1.02	06/13/2024 03:08	WG2304116
Hexachloro-1,3-butadiene	U		0.00917	0.0382	1.02	06/13/2024 03:08	WG2304116
Isopropylbenzene	0.00145	J	0.000649	0.00382	1.02	06/13/2024 03:08	WG2304116
p-Isopropyltoluene	U		0.00389	0.00764	1.02	06/13/2024 03:08	WG2304116
2-Butanone (MEK)	U		0.0971	0.153	1.02	06/13/2024 03:08	WG2304116
Methylene Chloride	0.0157	J	0.0101	0.0382	1.02	06/13/2024 03:08	WG2304116
4-Methyl-2-pentanone (MIBK)	U		0.00349	0.0382	1.02	06/13/2024 03:08	WG2304116

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000535	0.00153	1.02	06/13/2024 03:08	WG2304116
Naphthalene	U		0.00746	0.0192	1.02	06/13/2024 03:08	WG2304116
n-Propylbenzene	U		0.00145	0.00764	1.02	06/13/2024 03:08	WG2304116
Styrene	U		0.000350	0.0192	1.02	06/13/2024 03:08	WG2304116
1,1,1,2-Tetrachloroethane	U		0.00145	0.00382	1.02	06/13/2024 03:08	WG2304116
1,1,2,2-Tetrachloroethane	U		0.00106	0.00382	1.02	06/13/2024 03:08	WG2304116
1,1,2-Trichlorotrifluoroethane	U		0.00115	0.00382	1.02	06/13/2024 03:08	WG2304116
Tetrachloroethene	U		0.00137	0.00382	1.02	06/13/2024 03:08	WG2304116
Toluene	0.00367	J	0.00199	0.00764	1.02	06/13/2024 03:08	WG2304116
1,2,3-Trichlorobenzene	U		0.0112	0.0192	1.02	06/13/2024 03:08	WG2304116
1,2,4-Trichlorobenzene	U		0.00673	0.0192	1.02	06/13/2024 03:08	WG2304116
1,1,1-Trichloroethane	U		0.00141	0.00382	1.02	06/13/2024 03:08	WG2304116
1,1,2-Trichloroethane	U		0.000912	0.00382	1.02	06/13/2024 03:08	WG2304116
Trichloroethene	U		0.000893	0.00153	1.02	06/13/2024 03:08	WG2304116
Trichlorofluoromethane	U		0.00126	0.00382	1.02	06/13/2024 03:08	WG2304116
1,2,3-Trichloropropane	U		0.00247	0.0192	1.02	06/13/2024 03:08	WG2304116
1,2,4-Trimethylbenzene	U		0.00241	0.00764	1.02	06/13/2024 03:08	WG2304116
1,2,3-Trimethylbenzene	U		0.00241	0.00764	1.02	06/13/2024 03:08	WG2304116
1,3,5-Trimethylbenzene	U		0.00306	0.00764	1.02	06/13/2024 03:08	WG2304116
Vinyl chloride	U		0.00177	0.00382	1.02	06/13/2024 03:08	WG2304116
Xylenes, Total	U		0.00135	0.00993	1.02	06/13/2024 03:08	WG2304116
(S) Toluene-d8	*113*			*75.0-131*		*06/13/2024 03:08*	WG2304116
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*06/13/2024 03:08*	WG2304116
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/13/2024 03:08*	WG2304116

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.23	J	0.917	5.01	1	06/14/2024 01:18	WG2304127
C22-C32 Hydrocarbons	U		1.66	5.01	1	06/14/2024 01:18	WG2304127
C32-C40 Hydrocarbons	U		1.66	5.01	1	06/14/2024 01:18	WG2304127
(S) o-Terphenyl	*55.7*			*18.0-148*		*06/14/2024 01:18*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00674	0.0417	1	06/13/2024 20:46	WG2304128
Acenaphthylene	U		0.00587	0.0417	1	06/13/2024 20:46	WG2304128
Anthracene	U		0.00742	0.0417	1	06/13/2024 20:46	WG2304128
Benzidine	U		0.0783	2.09	1	06/13/2024 20:46	WG2304128
Benzo(a)anthracene	U		0.00735	0.0417	1	06/13/2024 20:46	WG2304128
Benzo(b)fluoranthene	U		0.00777	0.0417	1	06/13/2024 20:46	WG2304128
Benzo(k)fluoranthene	U		0.00741	0.0417	1	06/13/2024 20:46	WG2304128
Benzo(g,h,i)perylene	U		0.00762	0.0417	1	06/13/2024 20:46	WG2304128
Benzo(a)pyrene	U		0.00775	0.0417	1	06/13/2024 20:46	WG2304128
Bis(2-chlorethoxy)methane	U		0.0125	0.417	1	06/13/2024 20:46	WG2304128
Bis(2-chloroethyl)ether	U		0.0138	0.417	1	06/13/2024 20:46	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0180	0.417	1	06/13/2024 20:46	WG2304128
4-Bromophenyl-phenylether	U		0.0146	0.417	1	06/13/2024 20:46	WG2304128
2-Chloronaphthalene	U		0.00732	0.0417	1	06/13/2024 20:46	WG2304128
4-Chlorophenyl-phenylether	U		0.0145	0.417	1	06/13/2024 20:46	WG2304128
Chrysene	U		0.00828	0.0417	1	06/13/2024 20:46	WG2304128
Dibenz(a,h)anthracene	U		0.0115	0.0417	1	06/13/2024 20:46	WG2304128
1,2-Dichlorobenzene	U		0.0124	0.417	1	06/13/2024 20:46	WG2304128
1,3-Dichlorobenzene	U		0.0126	0.417	1	06/13/2024 20:46	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0124	0.417	1	06/13/2024 20:46	WG2304128
3,3-Dichlorobenzidine	U		0.0154	0.417	1	06/13/2024 20:46	WG2304128
2,4-Dinitrotoluene	U		0.0120	0.417	1	06/13/2024 20:46	WG2304128
2,6-Dinitrotoluene	U		0.0136	0.417	1	06/13/2024 20:46	WG2304128
Fluoranthene	U		0.00752	0.0417	1	06/13/2024 20:46	WG2304128
Fluorene	U		0.00678	0.0417	1	06/13/2024 20:46	WG2304128
Hexachlorobenzene	U		0.0148	0.417	1	06/13/2024 20:46	WG2304128
Hexachloro-1,3-butadiene	U		0.0140	0.417	1	06/13/2024 20:46	WG2304128
Hexachlorocyclopentadiene	U		0.0219	0.417	1	06/13/2024 20:46	WG2304128
Hexachloroethane	U		0.0164	0.417	1	06/13/2024 20:46	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0118	0.0417	1	06/13/2024 20:46	WG2304128
Isophorone	U		0.0128	0.417	1	06/13/2024 20:46	WG2304128
Naphthalene	U		0.0105	0.0417	1	06/13/2024 20:46	WG2304128
Nitrobenzene	U		0.0145	0.417	1	06/13/2024 20:46	WG2304128
n-Nitrosodimethylamine	U		0.0618	0.417	1	06/13/2024 20:46	WG2304128
n-Nitrosodiphenylamine	U		0.0315	0.417	1	06/13/2024 20:46	WG2304128
n-Nitrosodi-n-propylamine	U		0.0139	0.417	1	06/13/2024 20:46	WG2304128
Phenanthrene	U		0.00827	0.0417	1	06/13/2024 20:46	WG2304128
Benzylbutyl phthalate	U		0.0130	0.417	1	06/13/2024 20:46	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0528	0.417	1	06/13/2024 20:46	WG2304128
Di-n-butyl phthalate	U		0.0143	0.417	1	06/13/2024 20:46	WG2304128
Diethyl phthalate	U		0.0138	0.417	1	06/13/2024 20:46	WG2304128
Dimethyl phthalate	U		0.0883	0.417	1	06/13/2024 20:46	WG2304128
Di-n-octyl phthalate	U		0.0282	0.417	1	06/13/2024 20:46	WG2304128
Pyrene	U		0.00811	0.0417	1	06/13/2024 20:46	WG2304128
1,2,4-Trichlorobenzene	U		0.0130	0.417	1	06/13/2024 20:46	WG2304128
4-Chloro-3-methylphenol	U		0.0135	0.417	1	06/13/2024 20:46	WG2304128
2-Chlorophenol	U		0.0138	0.417	1	06/13/2024 20:46	WG2304128
2,4-Dichlorophenol	U		0.0121	0.417	1	06/13/2024 20:46	WG2304128
2,4-Dimethylphenol	U		0.0109	0.417	1	06/13/2024 20:46	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0945	0.417	1	06/13/2024 20:46	WG2304128
2,4-Dinitrophenol	U		0.0975	0.417	1	06/13/2024 20:46	WG2304128
2-Nitrophenol	U		0.0149	0.417	1	06/13/2024 20:46	WG2304128
4-Nitrophenol	U		0.0130	0.417	1	06/13/2024 20:46	WG2304128
Pentachlorophenol	U		0.0112	0.417	1	06/13/2024 20:46	WG2304128
Phenol	U		0.0168	0.417	1	06/13/2024 20:46	WG2304128
2,4,6-Trichlorophenol	U		0.0134	0.417	1	06/13/2024 20:46	WG2304128
(S) 2-Fluorophenol	*64.7*			*12.0-120*		*06/13/2024 20:46*	WG2304128
(S) Phenol-d5	*56.9*			*10.0-120*		*06/13/2024 20:46*	WG2304128
(S) Nitrobenzene-d5	*55.8*			*10.0-122*		*06/13/2024 20:46*	WG2304128
(S) 2-Fluorobiphenyl	*65.0*			*15.0-120*		*06/13/2024 20:46*	WG2304128
(S) 2,4,6-Tribromophenol	*47.9*			*10.0-127*		*06/13/2024 20:46*	WG2304128
(S) p-Terphenyl-d14	*64.7*			*10.0-120*		*06/13/2024 20:46*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.6		1	06/03/2024 15:22	WG2297639

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.36	4.10	25	06/06/2024 03:48	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/06/2024 03:48*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0598	0.0820	1	06/11/2024 21:02	WG2303036
Acrylonitrile	U		0.00592	0.0205	1	06/11/2024 21:02	WG2303036
Benzene	U		0.000766	0.00164	1	06/11/2024 21:02	WG2303036
Bromobenzene	U		0.00148	0.0205	1	06/11/2024 21:02	WG2303036
Bromodichloromethane	U		0.00119	0.00410	1	06/11/2024 21:02	WG2303036
Bromoform	U		0.00192	0.0410	1	06/11/2024 21:02	WG2303036
Bromomethane	U		0.00323	0.0205	1	06/11/2024 21:02	WG2303036
n-Butylbenzene	U		0.00861	0.0205	1	06/11/2024 21:02	WG2303036
sec-Butylbenzene	U		0.00472	0.0205	1	06/11/2024 21:02	WG2303036
tert-Butylbenzene	U		0.00320	0.00820	1	06/11/2024 21:02	WG2303036
Carbon tetrachloride	U		0.00147	0.00820	1	06/11/2024 21:02	WG2303036
Chlorobenzene	U		0.000344	0.00410	1	06/11/2024 21:02	WG2303036
Chlorodibromomethane	U		0.00100	0.00410	1	06/11/2024 21:02	WG2303036
Chloroethane	U		0.00279	0.00820	1	06/11/2024 21:02	WG2303036
Chloroform	U		0.00169	0.00410	1	06/11/2024 21:02	WG2303036
Chloromethane	U		0.00713	0.0205	1	06/11/2024 21:02	WG2303036
2-Chlorotoluene	0.00285	J	0.00142	0.00410	1	06/11/2024 21:02	WG2303036
4-Chlorotoluene	U		0.000738	0.00820	1	06/11/2024 21:02	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00639	0.0410	1	06/11/2024 21:02	WG2303036
1,2-Dibromoethane	U		0.00106	0.00410	1	06/11/2024 21:02	WG2303036
Dibromomethane	U		0.00123	0.00820	1	06/11/2024 21:02	WG2303036
1,2-Dichlorobenzene	U		0.000697	0.00820	1	06/11/2024 21:02	WG2303036
1,3-Dichlorobenzene	U		0.000984	0.00820	1	06/11/2024 21:02	WG2303036
1,4-Dichlorobenzene	U		0.00115	0.00820	1	06/11/2024 21:02	WG2303036
Dichlorodifluoromethane	U		0.00264	0.00820	1	06/11/2024 21:02	WG2303036
1,1-Dichloroethane	U		0.000805	0.00410	1	06/11/2024 21:02	WG2303036
1,2-Dichloroethane	U		0.00106	0.00410	1	06/11/2024 21:02	WG2303036
1,1-Dichloroethene	U		0.000994	0.00410	1	06/11/2024 21:02	WG2303036
cis-1,2-Dichloroethene	U		0.00120	0.00410	1	06/11/2024 21:02	WG2303036
trans-1,2-Dichloroethene	U		0.00171	0.00820	1	06/11/2024 21:02	WG2303036
1,2-Dichloropropane	U		0.00233	0.00820	1	06/11/2024 21:02	WG2303036
1,1-Dichloropropene	U		0.00133	0.00410	1	06/11/2024 21:02	WG2303036
1,3-Dichloropropane	U		0.000821	0.00820	1	06/11/2024 21:02	WG2303036
cis-1,3-Dichloropropene	U		0.00124	0.00410	1	06/11/2024 21:02	WG2303036
trans-1,3-Dichloropropene	U		0.00187	0.00820	1	06/11/2024 21:02	WG2303036
2,2-Dichloropropane	U		0.00226	0.00410	1	06/11/2024 21:02	WG2303036
Di-isopropyl ether	U		0.000672	0.00164	1	06/11/2024 21:02	WG2303036
Ethylbenzene	U		0.00121	0.00410	1	06/11/2024 21:02	WG2303036
Hexachloro-1,3-butadiene	U		0.00984	0.0410	1	06/11/2024 21:02	WG2303036
Isopropylbenzene	U		0.000697	0.00410	1	06/11/2024 21:02	WG2303036
p-Isopropyltoluene	U		0.00418	0.00820	1	06/11/2024 21:02	WG2303036
2-Butanone (MEK)	U		0.104	0.164	1	06/11/2024 21:02	WG2303036
Methylene Chloride	U		0.0109	0.0410	1	06/11/2024 21:02	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00374	0.0410	1	06/11/2024 21:02	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000574	0.00164	1	06/11/2024 21:02	WG2303036
Naphthalene	U		0.00800	0.0205	1	06/11/2024 21:02	WG2303036
n-Propylbenzene	U		0.00156	0.00820	1	06/11/2024 21:02	WG2303036
Styrene	U		0.000375	0.0205	1	06/11/2024 21:02	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00155	0.00410	1	06/11/2024 21:02	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00114	0.00410	1	06/11/2024 21:02	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00124	0.00410	1	06/11/2024 21:02	WG2303036
Tetrachloroethene	U		0.00147	0.00410	1	06/11/2024 21:02	WG2303036
Toluene	U		0.00213	0.00820	1	06/11/2024 21:02	WG2303036
1,2,3-Trichlorobenzene	U		0.0120	0.0205	1	06/11/2024 21:02	WG2303036
1,2,4-Trichlorobenzene	U		0.00721	0.0205	1	06/11/2024 21:02	WG2303036
1,1,1-Trichloroethane	U		0.00151	0.00410	1	06/11/2024 21:02	WG2303036
1,1,2-Trichloroethane	U		0.000979	0.00410	1	06/11/2024 21:02	WG2303036
Trichloroethene	U		0.000957	0.00164	1	06/11/2024 21:02	WG2303036
Trichlorofluoromethane	U		0.00136	0.00410	1	06/11/2024 21:02	WG2303036
1,2,3-Trichloropropane	U		0.00266	0.0205	1	06/11/2024 21:02	WG2303036
1,2,4-Trimethylbenzene	U		0.00259	0.00820	1	06/11/2024 21:02	WG2303036
1,2,3-Trimethylbenzene	U		0.00259	0.00820	1	06/11/2024 21:02	WG2303036
1,3,5-Trimethylbenzene	U		0.00328	0.00820	1	06/11/2024 21:02	WG2303036
Vinyl chloride	U		0.00190	0.00410	1	06/11/2024 21:02	WG2303036
Xylenes, Total	U		0.00144	0.0107	1	06/11/2024 21:02	WG2303036
(S) Toluene-d8	*98.8*			*75.0-131*		*06/11/2024 21:02*	WG2303036
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 21:02*	WG2303036
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*06/11/2024 21:02*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.23	J	0.945	5.15	1	06/13/2024 11:29	WG2303234
C22-C32 Hydrocarbons	U		1.71	5.15	1	06/13/2024 11:29	WG2303234
C32-C40 Hydrocarbons	U		1.71	5.15	1	06/13/2024 11:29	WG2303234
(S) o-Terphenyl	*52.5*			*18.0-148*		*06/13/2024 11:29*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.9		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.153		0.0228	0.0507	1	06/04/2024 09:57	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	10.0		0.690	2.54	1	06/09/2024 19:54	WG2299939
Arsenic	206		0.657	2.54	1	06/09/2024 19:54	WG2299939
Barium	1550		0.108	0.634	1	06/09/2024 19:54	WG2299939
Beryllium	0.333		0.0399	0.254	1	06/09/2024 19:54	WG2299939
Cadmium	5.90		0.0597	0.634	1	06/09/2024 19:54	WG2299939
Chromium	46.1		0.169	1.27	1	06/09/2024 19:54	WG2299939
Cobalt	12.5		0.103	1.27	1	06/09/2024 19:54	WG2299939
Copper	86.3		0.507	2.54	1	06/09/2024 19:54	WG2299939
Lead	213		0.264	0.634	1	06/09/2024 19:54	WG2299939
Molybdenum	3.50		0.138	0.634	1	06/09/2024 19:54	WG2299939
Nickel	47.6		0.167	2.54	1	06/09/2024 19:54	WG2299939
Selenium	3.52		0.968	2.54	1	06/09/2024 19:54	WG2299939
Silver	0.513	J	0.161	1.27	1	06/10/2024 10:01	WG2299939
Thallium	U		0.499	2.54	1	06/09/2024 19:54	WG2299939
Vanadium	47.1		0.641	2.54	1	06/09/2024 19:54	WG2299939
Zinc	171		1.05	6.34	1	06/09/2024 19:54	WG2299939

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0150	0.0431	1	06/13/2024 13:19	WG2303247
PCB 1221	U		0.0150	0.0431	1	06/13/2024 13:19	WG2303247
PCB 1232	U		0.0150	0.0431	1	06/13/2024 13:19	WG2303247
PCB 1242	U		0.0150	0.0431	1	06/13/2024 13:19	WG2303247
PCB 1248	U		0.00935	0.0215	1	06/13/2024 13:19	WG2303247
PCB 1254	U		0.00935	0.0215	1	06/13/2024 13:19	WG2303247
PCB 1260	U		0.00935	0.0215	1	06/13/2024 13:19	WG2303247
(S) Decachlorobiphenyl	*44.6*			*10.0-135*		*06/13/2024 13:19*	WG2303247
(S) Tetrachloro-m-xylene	*35.4*			*10.0-139*		*06/13/2024 13:19*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00683	0.0422	1	06/13/2024 21:52	WG2303251
Acenaphthylene	U		0.00594	0.0422	1	06/13/2024 21:52	WG2303251
Anthracene	U		0.00752	0.0422	1	06/13/2024 21:52	WG2303251
Benzidine	U		0.0793	2.12	1	06/13/2024 21:52	WG2303251
Benzo(a)anthracene	U		0.00744	0.0422	1	06/13/2024 21:52	WG2303251
Benzo(b)fluoranthene	U		0.00787	0.0422	1	06/13/2024 21:52	WG2303251
Benzo(k)fluoranthene	U		0.00750	0.0422	1	06/13/2024 21:52	WG2303251
Benzo(g,h,i)perylene	U		0.00772	0.0422	1	06/13/2024 21:52	WG2303251
Benzo(a)pyrene	U		0.00785	0.0422	1	06/13/2024 21:52	WG2303251
Bis(2-chlorethoxy)methane	U		0.0127	0.422	1	06/13/2024 21:52	WG2303251
Bis(2-chloroethyl)ether	U		0.0139	0.422	1	06/13/2024 21:52	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0183	0.422	1	06/13/2024 21:52	WG2303251
4-Bromophenyl-phenylether	U		0.0148	0.422	1	06/13/2024 21:52	WG2303251
2-Chloronaphthalene	U		0.00741	0.0422	1	06/13/2024 21:52	WG2303251
4-Chlorophenyl-phenylether	U		0.0147	0.422	1	06/13/2024 21:52	WG2303251
Chrysene	U		0.00839	0.0422	1	06/13/2024 21:52	WG2303251
Dibenz(a,h)anthracene	U		0.0117	0.0422	1	06/13/2024 21:52	WG2303251
1,2-Dichlorobenzene	U		0.0125	0.422	1	06/13/2024 21:52	WG2303251
1,3-Dichlorobenzene	U		0.0128	0.422	1	06/13/2024 21:52	WG2303251
1,4-Dichlorobenzene	U		0.0126	0.422	1	06/13/2024 21:52	WG2303251
3,3-Dichlorobenzidine	U		0.0156	0.422	1	06/13/2024 21:52	WG2303251
2,4-Dinitrotoluene	U		0.0121	0.422	1	06/13/2024 21:52	WG2303251
2,6-Dinitrotoluene	U		0.0138	0.422	1	06/13/2024 21:52	WG2303251
Fluoranthene	U		0.00762	0.0422	1	06/13/2024 21:52	WG2303251
Fluorene	U		0.00687	0.0422	1	06/13/2024 21:52	WG2303251
Hexachlorobenzene	U		0.0150	0.422	1	06/13/2024 21:52	WG2303251
Hexachloro-1,3-butadiene	U		0.0142	0.422	1	06/13/2024 21:52	WG2303251
Hexachlorocyclopentadiene	U		0.0222	0.422	1	06/13/2024 21:52	WG2303251
Hexachloroethane	U		0.0166	0.422	1	06/13/2024 21:52	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0119	0.0422	1	06/13/2024 21:52	WG2303251
Isophorone	U		0.0129	0.422	1	06/13/2024 21:52	WG2303251
Naphthalene	U		0.0106	0.0422	1	06/13/2024 21:52	WG2303251
Nitrobenzene	U		0.0147	0.422	1	06/13/2024 21:52	WG2303251
n-Nitrosodimethylamine	U		0.0626	0.422	1	06/13/2024 21:52	WG2303251
n-Nitrosodiphenylamine	U		0.0319	0.422	1	06/13/2024 21:52	WG2303251
n-Nitrosodi-n-propylamine	U		0.0141	0.422	1	06/13/2024 21:52	WG2303251
Phenanthrene	U		0.00838	0.0422	1	06/13/2024 21:52	WG2303251
Benzylbutyl phthalate	U		0.0132	0.422	1	06/13/2024 21:52	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0535	0.422	1	06/13/2024 21:52	WG2303251
Di-n-butyl phthalate	U		0.0144	0.422	1	06/13/2024 21:52	WG2303251
Diethyl phthalate	U		0.0139	0.422	1	06/13/2024 21:52	WG2303251
Dimethyl phthalate	U		0.0895	0.422	1	06/13/2024 21:52	WG2303251
Di-n-octyl phthalate	U		0.0285	0.422	1	06/13/2024 21:52	WG2303251
Pyrene	U		0.00821	0.0422	1	06/13/2024 21:52	WG2303251
1,2,4-Trichlorobenzene	U		0.0132	0.422	1	06/13/2024 21:52	WG2303251
4-Chloro-3-methylphenol	U		0.0137	0.422	1	06/13/2024 21:52	WG2303251
2-Chlorophenol	U		0.0139	0.422	1	06/13/2024 21:52	WG2303251
2,4-Dichlorophenol	U		0.0123	0.422	1	06/13/2024 21:52	WG2303251
2,4-Dimethylphenol	U		0.0110	0.422	1	06/13/2024 21:52	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0957	0.422	1	06/13/2024 21:52	WG2303251
2,4-Dinitrophenol	U		0.0987	0.422	1	06/13/2024 21:52	WG2303251
2-Nitrophenol	U		0.0151	0.422	1	06/13/2024 21:52	WG2303251
4-Nitrophenol	U		0.0132	0.422	1	06/13/2024 21:52	WG2303251
Pentachlorophenol	U		0.0114	0.422	1	06/13/2024 21:52	WG2303251
Phenol	U		0.0170	0.422	1	06/13/2024 21:52	WG2303251
2,4,6-Trichlorophenol	U		0.0136	0.422	1	06/13/2024 21:52	WG2303251
(S) 2-Fluorophenol	*69.8*			*12.0-120*		*06/13/2024 21:52*	WG2303251
(S) Phenol-d5	*65.6*			*10.0-120*		*06/13/2024 21:52*	WG2303251
(S) Nitrobenzene-d5	*52.1*			*10.0-122*		*06/13/2024 21:52*	WG2303251
(S) 2-Fluorobiphenyl	*62.0*			*15.0-120*		*06/13/2024 21:52*	WG2303251
(S) 2,4,6-Tribromophenol	*62.9*			*10.0-127*		*06/13/2024 21:52*	WG2303251
(S) p-Terphenyl-d14	*71.8*			*10.0-120*		*06/13/2024 21:52*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.196		0.0212	0.0471	1	06/04/2024 10:00	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.61	J6	0.640	2.35	1	06/09/2024 19:25	WG2299939
Arsenic	415	J3 J5 J6	0.609	2.35	1	06/09/2024 19:25	WG2299939
Barium	2040	J3 O1 V	0.100	0.588	1	06/09/2024 19:25	WG2299939
Beryllium	0.363		0.0371	0.235	1	06/09/2024 19:25	WG2299939
Cadmium	6.35		0.0554	0.588	1	06/09/2024 19:25	WG2299939
Chromium	53.6	O1	0.156	1.18	1	06/09/2024 19:25	WG2299939
Cobalt	13.7		0.0954	1.18	1	06/09/2024 19:25	WG2299939
Copper	164	J3 J5	0.471	2.35	1	06/09/2024 19:25	WG2299939
Lead	187	J3 J5 J6	0.245	0.588	1	06/09/2024 19:25	WG2299939
Molybdenum	1.75		0.128	0.588	1	06/09/2024 19:25	WG2299939
Nickel	57.8		0.155	2.35	1	06/09/2024 19:25	WG2299939
Selenium	4.40		0.899	2.35	1	06/09/2024 19:25	WG2299939
Silver	0.665	J	0.149	1.18	1	06/10/2024 09:33	WG2299939
Thallium	U		0.463	2.35	1	06/09/2024 19:25	WG2299939
Vanadium	47.9		0.595	2.35	1	06/09/2024 19:25	WG2299939
Zinc	249	J3 J5 J6 O1	0.979	5.88	1	06/09/2024 19:25	WG2299939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0562	0.0771	1.16	06/13/2024 02:28	WG2303979
Acrylonitrile	U		0.00557	0.0193	1.16	06/13/2024 02:28	WG2303979
Benzene	0.00219		0.000720	0.00154	1.16	06/13/2024 02:28	WG2303979
Bromobenzene	U		0.00138	0.0193	1.16	06/13/2024 02:28	WG2303979
Bromodichloromethane	U		0.00112	0.00385	1.16	06/13/2024 02:28	WG2303979
Bromoform	U		0.00181	0.0385	1.16	06/13/2024 02:28	WG2303979
Bromomethane	U		0.00304	0.0193	1.16	06/13/2024 02:28	WG2303979
n-Butylbenzene	U		0.00809	0.0193	1.16	06/13/2024 02:28	WG2303979
sec-Butylbenzene	U		0.00444	0.0193	1.16	06/13/2024 02:28	WG2303979
tert-Butylbenzene	U		0.00300	0.00771	1.16	06/13/2024 02:28	WG2303979
Carbon tetrachloride	U		0.00138	0.00771	1.16	06/13/2024 02:28	WG2303979
Chlorobenzene	U		0.000324	0.00385	1.16	06/13/2024 02:28	WG2303979
Chlorodibromomethane	U		0.000943	0.00385	1.16	06/13/2024 02:28	WG2303979
Chloroethane	U		0.00262	0.00771	1.16	06/13/2024 02:28	WG2303979
Chloroform	U		0.00158	0.00385	1.16	06/13/2024 02:28	WG2303979
Chloromethane	U		0.00671	0.0193	1.16	06/13/2024 02:28	WG2303979
2-Chlorotoluene	U		0.00133	0.00385	1.16	06/13/2024 02:28	WG2303979
4-Chlorotoluene	U		0.000694	0.00771	1.16	06/13/2024 02:28	WG2303979
1,2-Dibromo-3-Chloropropane	U		0.00601	0.0385	1.16	06/13/2024 02:28	WG2303979
1,2-Dibromoethane	U		0.000999	0.00385	1.16	06/13/2024 02:28	WG2303979
Dibromomethane	U		0.00116	0.00771	1.16	06/13/2024 02:28	WG2303979
1,2-Dichlorobenzene	U		0.000655	0.00771	1.16	06/13/2024 02:28	WG2303979
1,3-Dichlorobenzene	U		0.000925	0.00771	1.16	06/13/2024 02:28	WG2303979
1,4-Dichlorobenzene	U		0.00108	0.00771	1.16	06/13/2024 02:28	WG2303979

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00248	0.00771	1.16	06/13/2024 02:28	WG2303979
1,1-Dichloroethane	U		0.000757	0.00385	1.16	06/13/2024 02:28	WG2303979
1,2-Dichloroethane	U		0.00100	0.00385	1.16	06/13/2024 02:28	WG2303979
1,1-Dichloroethene	U		0.000934	0.00385	1.16	06/13/2024 02:28	WG2303979
cis-1,2-Dichloroethene	U		0.00113	0.00385	1.16	06/13/2024 02:28	WG2303979
trans-1,2-Dichloroethene	U		0.00161	0.00771	1.16	06/13/2024 02:28	WG2303979
1,2-Dichloropropane	U		0.00219	0.00771	1.16	06/13/2024 02:28	WG2303979
1,1-Dichloropropene	U		0.00125	0.00385	1.16	06/13/2024 02:28	WG2303979
1,3-Dichloropropane	U		0.000772	0.00771	1.16	06/13/2024 02:28	WG2303979
cis-1,3-Dichloropropene	U		0.00117	0.00385	1.16	06/13/2024 02:28	WG2303979
trans-1,3-Dichloropropene	U		0.00175	0.00771	1.16	06/13/2024 02:28	WG2303979
2,2-Dichloropropane	U		0.00213	0.00385	1.16	06/13/2024 02:28	WG2303979
Di-isopropyl ether	U		0.000632	0.00154	1.16	06/13/2024 02:28	WG2303979
Ethylbenzene	0.00247	J	0.00114	0.00385	1.16	06/13/2024 02:28	WG2303979
Hexachloro-1,3-butadiene	U		0.00925	0.0385	1.16	06/13/2024 02:28	WG2303979
Isopropylbenzene	U		0.000655	0.00385	1.16	06/13/2024 02:28	WG2303979
p-Isopropyltoluene	U		0.00393	0.00771	1.16	06/13/2024 02:28	WG2303979
2-Butanone (MEK)	U		0.0979	0.154	1.16	06/13/2024 02:28	WG2303979
Methylene Chloride	0.0311	J	0.0102	0.0385	1.16	06/13/2024 02:28	WG2303979
4-Methyl-2-pentanone (MIBK)	U		0.00351	0.0385	1.16	06/13/2024 02:28	WG2303979
Methyl tert-butyl ether	U		0.000539	0.00154	1.16	06/13/2024 02:28	WG2303979
Naphthalene	0.0132	J	0.00752	0.0193	1.16	06/13/2024 02:28	WG2303979
n-Propylbenzene	0.00351	J	0.00146	0.00771	1.16	06/13/2024 02:28	WG2303979
Styrene	U		0.000353	0.0193	1.16	06/13/2024 02:28	WG2303979
1,1,1,2-Tetrachloroethane	U		0.00146	0.00385	1.16	06/13/2024 02:28	WG2303979
1,1,2,2-Tetrachloroethane	U		0.00107	0.00385	1.16	06/13/2024 02:28	WG2303979
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00385	1.16	06/13/2024 02:28	WG2303979
Tetrachloroethene	U		0.00138	0.00385	1.16	06/13/2024 02:28	WG2303979
Toluene	0.00752	J	0.00201	0.00771	1.16	06/13/2024 02:28	WG2303979
1,2,3-Trichlorobenzene	U		0.0113	0.0193	1.16	06/13/2024 02:28	WG2303979
1,2,4-Trichlorobenzene	U		0.00678	0.0193	1.16	06/13/2024 02:28	WG2303979
1,1,1-Trichloroethane	U		0.00142	0.00385	1.16	06/13/2024 02:28	WG2303979
1,1,2-Trichloroethane	U		0.000921	0.00385	1.16	06/13/2024 02:28	WG2303979
Trichloroethene	U		0.000900	0.00154	1.16	06/13/2024 02:28	WG2303979
Trichlorofluoromethane	U		0.00127	0.00385	1.16	06/13/2024 02:28	WG2303979
1,2,3-Trichloropropane	U		0.00250	0.0193	1.16	06/13/2024 02:28	WG2303979
1,2,4-Trimethylbenzene	0.00501	B J	0.00243	0.00771	1.16	06/13/2024 02:28	WG2303979
1,2,3-Trimethylbenzene	0.00355	J	0.00243	0.00771	1.16	06/13/2024 02:28	WG2303979
1,3,5-Trimethylbenzene	U		0.00308	0.00771	1.16	06/13/2024 02:28	WG2303979
Vinyl chloride	U		0.00179	0.00385	1.16	06/13/2024 02:28	WG2303979
Xylenes, Total	0.00714	J	0.00136	0.0100	1.16	06/13/2024 02:28	WG2303979
(S) Toluene-d8	*113*			*75.0-131*		*06/13/2024 02:28*	WG2303979
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*		*06/13/2024 02:28*	WG2303979
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/13/2024 02:28*	WG2303979

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00634	0.0392	1	06/14/2024 11:43	WG2303251
Acenaphthylene	U		0.00552	0.0392	1	06/14/2024 11:43	WG2303251
Anthracene	U		0.00698	0.0392	1	06/14/2024 11:43	WG2303251
Benzidine	U		0.0736	1.96	1	06/14/2024 11:43	WG2303251
Benzo(a)anthracene	U		0.00691	0.0392	1	06/14/2024 11:43	WG2303251
Benzo(b)fluoranthene	U		0.00731	0.0392	1	06/14/2024 11:43	WG2303251
Benzo(k)fluoranthene	U		0.00696	0.0392	1	06/14/2024 11:43	WG2303251
Benzo(g,h,i)perylene	U		0.00716	0.0392	1	06/14/2024 11:43	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00728	0.0392	1	06/14/2024 11:43	WG2303251
Bis(2-chlorethoxy)methane	U		0.0118	0.392	1	06/14/2024 11:43	WG2303251
Bis(2-chloroethyl)ether	U		0.0129	0.392	1	06/14/2024 11:43	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0169	0.392	1	06/14/2024 11:43	WG2303251
4-Bromophenyl-phenylether	U		0.0138	0.392	1	06/14/2024 11:43	WG2303251
2-Chloronaphthalene	U		0.00688	0.0392	1	06/14/2024 11:43	WG2303251
4-Chlorophenyl-phenylether	U		0.0136	0.392	1	06/14/2024 11:43	WG2303251
Chrysene	U		0.00779	0.0392	1	06/14/2024 11:43	WG2303251
Dibenz(a,h)anthracene	U		0.0109	0.0392	1	06/14/2024 11:43	WG2303251
1,2-Dichlorobenzene	U		0.0116	0.392	1	06/14/2024 11:43	WG2303251
1,3-Dichlorobenzene	U		0.0119	0.392	1	06/14/2024 11:43	WG2303251
1,4-Dichlorobenzene	U		0.0117	0.392	1	06/14/2024 11:43	WG2303251
3,3-Dichlorobenzidine	U		0.0145	0.392	1	06/14/2024 11:43	WG2303251
2,4-Dinitrotoluene	U		0.0112	0.392	1	06/14/2024 11:43	WG2303251
2,6-Dinitrotoluene	U		0.0128	0.392	1	06/14/2024 11:43	WG2303251
Fluoranthene	U		0.00707	0.0392	1	06/14/2024 11:43	WG2303251
Fluorene	U		0.00638	0.0392	1	06/14/2024 11:43	WG2303251
Hexachlorobenzene	U		0.0139	0.392	1	06/14/2024 11:43	WG2303251
Hexachloro-1,3-butadiene	U		0.0132	0.392	1	06/14/2024 11:43	WG2303251
Hexachlorocyclopentadiene	U		0.0206	0.392	1	06/14/2024 11:43	WG2303251
Hexachloroethane	U		0.0154	0.392	1	06/14/2024 11:43	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0111	0.0392	1	06/14/2024 11:43	WG2303251
Isophorone	U		0.0120	0.392	1	06/14/2024 11:43	WG2303251
Naphthalene	U		0.00983	0.0392	1	06/14/2024 11:43	WG2303251
Nitrobenzene	U		0.0136	0.392	1	06/14/2024 11:43	WG2303251
n-Nitrosodimethylamine	U		0.0581	0.392	1	06/14/2024 11:43	WG2303251
n-Nitrosodiphenylamine	U		0.0296	0.392	1	06/14/2024 11:43	WG2303251
n-Nitrosodi-n-propylamine	U		0.0131	0.392	1	06/14/2024 11:43	WG2303251
Phenanthrene	U		0.00778	0.0392	1	06/14/2024 11:43	WG2303251
Benzylbutyl phthalate	U		0.0122	0.392	1	06/14/2024 11:43	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0496	0.392	1	06/14/2024 11:43	WG2303251
Di-n-butyl phthalate	U		0.0134	0.392	1	06/14/2024 11:43	WG2303251
Diethyl phthalate	U		0.0129	0.392	1	06/14/2024 11:43	WG2303251
Dimethyl phthalate	U		0.0831	0.392	1	06/14/2024 11:43	WG2303251
Di-n-octyl phthalate	U		0.0265	0.392	1	06/14/2024 11:43	WG2303251
Pyrene	U		0.00762	0.0392	1	06/14/2024 11:43	WG2303251
1,2,4-Trichlorobenzene	U		0.0122	0.392	1	06/14/2024 11:43	WG2303251
4-Chloro-3-methylphenol	U		0.0127	0.392	1	06/14/2024 11:43	WG2303251
2-Chlorophenol	U		0.0129	0.392	1	06/14/2024 11:43	WG2303251
2,4-Dichlorophenol	U		0.0114	0.392	1	06/14/2024 11:43	WG2303251
2,4-Dimethylphenol	U		0.0102	0.392	1	06/14/2024 11:43	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0888	0.392	1	06/14/2024 11:43	WG2303251
2,4-Dinitrophenol	U		0.0916	0.392	1	06/14/2024 11:43	WG2303251
2-Nitrophenol	U		0.0140	0.392	1	06/14/2024 11:43	WG2303251
4-Nitrophenol	U		0.0122	0.392	1	06/14/2024 11:43	WG2303251
Pentachlorophenol	U		0.0105	0.392	1	06/14/2024 11:43	WG2303251
Phenol	U		0.0158	0.392	1	06/14/2024 11:43	WG2303251
2,4,6-Trichlorophenol	U		0.0126	0.392	1	06/14/2024 11:43	WG2303251
(S) 2-Fluorophenol	*72.1*			*12.0-120*		*06/14/2024 11:43*	WG2303251
(S) Phenol-d5	*67.2*			*10.0-120*		*06/14/2024 11:43*	WG2303251
(S) Nitrobenzene-d5	*59.6*			*10.0-122*		*06/14/2024 11:43*	WG2303251
(S) 2-Fluorobiphenyl	*69.4*			*15.0-120*		*06/14/2024 11:43*	WG2303251
(S) 2,4,6-Tribromophenol	*89.7*			*10.0-127*		*06/14/2024 11:43*	WG2303251
(S) p-Terphenyl-d14	*82.0*			*10.0-120*		*06/14/2024 11:43*	WG2303251

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.3		1	06/03/2024 15:22	WG2297639

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.182		0.0239	0.0531	1	06/04/2024 10:02	WG2297782

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	7.36		0.722	2.66	1	06/09/2024 19:56	WG2299939
Arsenic	170		0.688	2.66	1	06/09/2024 19:56	WG2299939
Barium	1230		0.113	0.664	1	06/09/2024 19:56	WG2299939
Beryllium	0.275		0.0418	0.266	1	06/09/2024 19:56	WG2299939
Cadmium	3.60		0.0625	0.664	1	06/09/2024 19:56	WG2299939
Chromium	47.0		0.177	1.33	1	06/09/2024 19:56	WG2299939
Cobalt	11.7		0.108	1.33	1	06/09/2024 19:56	WG2299939
Copper	111		0.531	2.66	1	06/09/2024 19:56	WG2299939
Lead	146		0.276	0.664	1	06/09/2024 19:56	WG2299939
Molybdenum	1.37		0.145	0.664	1	06/09/2024 19:56	WG2299939
Nickel	60.0		0.175	2.66	1	06/09/2024 19:56	WG2299939
Selenium	5.21		1.01	2.66	1	06/09/2024 19:56	WG2299939
Silver	0.383	J	0.169	1.33	1	06/10/2024 10:03	WG2299939
Thallium	U		0.523	2.66	1	06/09/2024 19:56	WG2299939
Vanadium	39.1		0.672	2.66	1	06/09/2024 19:56	WG2299939
Zinc	127		1.10	6.64	1	06/09/2024 19:56	WG2299939

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.56	J	1.38	4.16	25	06/06/2024 04:10	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/06/2024 04:10*	WG2299409

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	3.80	J	0.973	5.31	1	06/13/2024 14:23	WG2303234
C22-C32 Hydrocarbons	19.6		1.77	5.31	1	06/13/2024 14:23	WG2303234
C32-C40 Hydrocarbons	18.7		1.77	5.31	1	06/13/2024 14:23	WG2303234
(S) o-Terphenyl	*68.0*			*18.0-148*		*06/13/2024 14:23*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0143	0.0884	2	06/14/2024 01:07	WG2303251
Acenaphthylene	U		0.0125	0.0884	2	06/14/2024 01:07	WG2303251
Anthracene	U		0.0158	0.0884	2	06/14/2024 01:07	WG2303251
Benzidine	U	J3 J6	0.166	4.43	2	06/14/2024 01:07	WG2303251
Benzo(a)anthracene	U		0.0155	0.0884	2	06/14/2024 01:07	WG2303251
Benzo(b)fluoranthene	U		0.0165	0.0884	2	06/14/2024 01:07	WG2303251
Benzo(k)fluoranthene	U		0.0157	0.0884	2	06/14/2024 01:07	WG2303251
Benzo(g,h,i)perylene	U		0.0162	0.0884	2	06/14/2024 01:07	WG2303251
Benzo(a)pyrene	U		0.0165	0.0884	2	06/14/2024 01:07	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.0266	0.884	2	06/14/2024 01:07	WG2303251
Bis(2-chloroethyl)ether	U		0.0292	0.884	2	06/14/2024 01:07	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.0382	0.884	2	06/14/2024 01:07	WG2303251
4-Bromophenyl-phenylether	U		0.0311	0.884	2	06/14/2024 01:07	WG2303251
2-Chloronaphthalene	U		0.0155	0.0884	2	06/14/2024 01:07	WG2303251
4-Chlorophenyl-phenylether	U		0.0308	0.884	2	06/14/2024 01:07	WG2303251
Chrysene	U		0.0175	0.0884	2	06/14/2024 01:07	WG2303251
Dibenz(a,h)anthracene	U		0.0246	0.0884	2	06/14/2024 01:07	WG2303251
1,2-Dichlorobenzene	U		0.0262	0.884	2	06/14/2024 01:07	WG2303251
1,3-Dichlorobenzene	U		0.0268	0.884	2	06/14/2024 01:07	WG2303251
1,4-Dichlorobenzene	U		0.0263	0.884	2	06/14/2024 01:07	WG2303251
3,3-Dichlorobenzidine	U		0.0327	0.884	2	06/14/2024 01:07	WG2303251
2,4-Dinitrotoluene	U		0.0254	0.884	2	06/14/2024 01:07	WG2303251
2,6-Dinitrotoluene	U		0.0289	0.884	2	06/14/2024 01:07	WG2303251
Fluoranthene	U		0.0159	0.0884	2	06/14/2024 01:07	WG2303251
Fluorene	U		0.0143	0.0884	2	06/14/2024 01:07	WG2303251
Hexachlorobenzene	U		0.0313	0.884	2	06/14/2024 01:07	WG2303251
Hexachloro-1,3-butadiene	U		0.0297	0.884	2	06/14/2024 01:07	WG2303251
Hexachlorocyclopentadiene	U		0.0465	0.884	2	06/14/2024 01:07	WG2303251
Hexachloroethane	U		0.0348	0.884	2	06/14/2024 01:07	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0250	0.0884	2	06/14/2024 01:07	WG2303251
Isophorone	U		0.0271	0.884	2	06/14/2024 01:07	WG2303251
Naphthalene	U		0.0222	0.0884	2	06/14/2024 01:07	WG2303251
Nitrobenzene	U		0.0308	0.884	2	06/14/2024 01:07	WG2303251
n-Nitrosodimethylamine	U		0.131	0.884	2	06/14/2024 01:07	WG2303251
n-Nitrosodiphenylamine	U		0.0669	0.884	2	06/14/2024 01:07	WG2303251
n-Nitrosodi-n-propylamine	U		0.0295	0.884	2	06/14/2024 01:07	WG2303251
Phenanthrene	U		0.0175	0.0884	2	06/14/2024 01:07	WG2303251
Benzylbutyl phthalate	U		0.0276	0.884	2	06/14/2024 01:07	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.112	0.884	2	06/14/2024 01:07	WG2303251
Di-n-butyl phthalate	U		0.0303	0.884	2	06/14/2024 01:07	WG2303251
Diethyl phthalate	U		0.0292	0.884	2	06/14/2024 01:07	WG2303251
Dimethyl phthalate	U		0.187	0.884	2	06/14/2024 01:07	WG2303251
Di-n-octyl phthalate	U		0.0597	0.884	2	06/14/2024 01:07	WG2303251
Pyrene	U		0.0173	0.0884	2	06/14/2024 01:07	WG2303251
1,2,4-Trichlorobenzene	U		0.0276	0.884	2	06/14/2024 01:07	WG2303251
4-Chloro-3-methylphenol	U		0.0287	0.884	2	06/14/2024 01:07	WG2303251
2-Chlorophenol	U		0.0292	0.884	2	06/14/2024 01:07	WG2303251
2,4-Dichlorophenol	U		0.0258	0.884	2	06/14/2024 01:07	WG2303251
2,4-Dimethylphenol	U		0.0231	0.884	2	06/14/2024 01:07	WG2303251
4,6-Dinitro-2-methylphenol	U		0.200	0.884	2	06/14/2024 01:07	WG2303251
2,4-Dinitrophenol	U		0.207	0.884	2	06/14/2024 01:07	WG2303251
2-Nitrophenol	U		0.0316	0.884	2	06/14/2024 01:07	WG2303251
4-Nitrophenol	U		0.0276	0.884	2	06/14/2024 01:07	WG2303251
Pentachlorophenol	U		0.0238	0.884	2	06/14/2024 01:07	WG2303251
Phenol	U		0.0356	0.884	2	06/14/2024 01:07	WG2303251
2,4,6-Trichlorophenol	U		0.0284	0.884	2	06/14/2024 01:07	WG2303251
(S) 2-Fluorophenol	*78.0*			*12.0-120*		*06/14/2024 01:07*	WG2303251
(S) Phenol-d5	*72.9*			*10.0-120*		*06/14/2024 01:07*	WG2303251
(S) Nitrobenzene-d5	*58.0*			*10.0-122*		*06/14/2024 01:07*	WG2303251
(S) 2-Fluorobiphenyl	*71.2*			*15.0-120*		*06/14/2024 01:07*	WG2303251
(S) 2,4,6-Tribromophenol	*72.0*			*10.0-127*		*06/14/2024 01:07*	WG2303251
(S) p-Terphenyl-d14	*82.0*			*10.0-120*		*06/14/2024 01:07*	WG2303251

Sample Narrative:

L1741921-63 WG2303251: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.2		1	06/13/2024 08:01	WG2304168

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.29		0.688	2.66	1	07/01/2024 20:20	WG2315127

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.85	B J	1.51	4.54	28	06/13/2024 04:49	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/13/2024 04:49*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0663	0.0908	1.12	06/13/2024 03:28	WG2304116
Acrylonitrile	U		0.00655	0.0227	1.12	06/13/2024 03:28	WG2304116
Benzene	U		0.000848	0.00182	1.12	06/13/2024 03:28	WG2304116
Bromobenzene	U		0.00164	0.0227	1.12	06/13/2024 03:28	WG2304116
Bromodichloromethane	U		0.00132	0.00454	1.12	06/13/2024 03:28	WG2304116
Bromoform	U		0.00212	0.0454	1.12	06/13/2024 03:28	WG2304116
Bromomethane	U		0.00358	0.0227	1.12	06/13/2024 03:28	WG2304116
n-Butylbenzene	U		0.00954	0.0227	1.12	06/13/2024 03:28	WG2304116
sec-Butylbenzene	U		0.00524	0.0227	1.12	06/13/2024 03:28	WG2304116
tert-Butylbenzene	U		0.00354	0.00908	1.12	06/13/2024 03:28	WG2304116
Carbon tetrachloride	U		0.00164	0.00908	1.12	06/13/2024 03:28	WG2304116
Chlorobenzene	U		0.000381	0.00454	1.12	06/13/2024 03:28	WG2304116
Chlorodibromomethane	U		0.00111	0.00454	1.12	06/13/2024 03:28	WG2304116
Chloroethane	U		0.00308	0.00908	1.12	06/13/2024 03:28	WG2304116
Chloroform	U		0.00186	0.00454	1.12	06/13/2024 03:28	WG2304116
Chloromethane	U		0.00790	0.0227	1.12	06/13/2024 03:28	WG2304116
2-Chlorotoluene	U		0.00157	0.00454	1.12	06/13/2024 03:28	WG2304116
4-Chlorotoluene	U		0.000817	0.00908	1.12	06/13/2024 03:28	WG2304116
1,2-Dibromo-3-Chloropropane	U		0.00709	0.0454	1.12	06/13/2024 03:28	WG2304116
1,2-Dibromoethane	U		0.00118	0.00454	1.12	06/13/2024 03:28	WG2304116
Dibromomethane	U		0.00136	0.00908	1.12	06/13/2024 03:28	WG2304116
1,2-Dichlorobenzene	U		0.000772	0.00908	1.12	06/13/2024 03:28	WG2304116
1,3-Dichlorobenzene	U		0.00109	0.00908	1.12	06/13/2024 03:28	WG2304116
1,4-Dichlorobenzene	U		0.00127	0.00908	1.12	06/13/2024 03:28	WG2304116
Dichlorodifluoromethane	U		0.00292	0.00908	1.12	06/13/2024 03:28	WG2304116
1,1-Dichloroethane	U		0.000892	0.00454	1.12	06/13/2024 03:28	WG2304116
1,2-Dichloroethane	U		0.00118	0.00454	1.12	06/13/2024 03:28	WG2304116
1,1-Dichloroethene	U		0.00110	0.00454	1.12	06/13/2024 03:28	WG2304116
cis-1,2-Dichloroethene	U		0.00133	0.00454	1.12	06/13/2024 03:28	WG2304116
trans-1,2-Dichloroethene	U		0.00188	0.00908	1.12	06/13/2024 03:28	WG2304116
1,2-Dichloropropane	U		0.00258	0.00908	1.12	06/13/2024 03:28	WG2304116
1,1-Dichloropropene	U		0.00147	0.00454	1.12	06/13/2024 03:28	WG2304116
1,3-Dichloropropane	U		0.000910	0.00908	1.12	06/13/2024 03:28	WG2304116
cis-1,3-Dichloropropene	U		0.00138	0.00454	1.12	06/13/2024 03:28	WG2304116
trans-1,3-Dichloropropene	U		0.00208	0.00908	1.12	06/13/2024 03:28	WG2304116
2,2-Dichloropropane	U		0.00251	0.00454	1.12	06/13/2024 03:28	WG2304116
Di-isopropyl ether	U		0.000744	0.00182	1.12	06/13/2024 03:28	WG2304116
Ethylbenzene	0.00381	J	0.00134	0.00454	1.12	06/13/2024 03:28	WG2304116

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0109	0.0454	1.12	06/13/2024 03:28	WG2304116
Isopropylbenzene	U		0.000772	0.00454	1.12	06/13/2024 03:28	WG2304116
p-Isopropyltoluene	U		0.00464	0.00908	1.12	06/13/2024 03:28	WG2304116
2-Butanone (MEK)	U		0.115	0.182	1.12	06/13/2024 03:28	WG2304116
Methylene Chloride	0.0389	J	0.0121	0.0454	1.12	06/13/2024 03:28	WG2304116
4-Methyl-2-pentanone (MIBK)	U		0.00414	0.0454	1.12	06/13/2024 03:28	WG2304116
Methyl tert-butyl ether	U		0.000636	0.00182	1.12	06/13/2024 03:28	WG2304116
Naphthalene	U		0.00887	0.0227	1.12	06/13/2024 03:28	WG2304116
n-Propylbenzene	U		0.00172	0.00908	1.12	06/13/2024 03:28	WG2304116
Styrene	U		0.000415	0.0227	1.12	06/13/2024 03:28	WG2304116
1,1,1,2-Tetrachloroethane	U		0.00172	0.00454	1.12	06/13/2024 03:28	WG2304116
1,1,2,2-Tetrachloroethane	U		0.00126	0.00454	1.12	06/13/2024 03:28	WG2304116
1,1,2-Trichlorotrifluoroethane	U		0.00137	0.00454	1.12	06/13/2024 03:28	WG2304116
Tetrachloroethene	U		0.00162	0.00454	1.12	06/13/2024 03:28	WG2304116
Toluene	0.0103		0.00237	0.00908	1.12	06/13/2024 03:28	WG2304116
1,2,3-Trichlorobenzene	U		0.0133	0.0227	1.12	06/13/2024 03:28	WG2304116
1,2,4-Trichlorobenzene	U		0.00799	0.0227	1.12	06/13/2024 03:28	WG2304116
1,1,1-Trichloroethane	U		0.00167	0.00454	1.12	06/13/2024 03:28	WG2304116
1,1,2-Trichloroethane	U		0.00108	0.00454	1.12	06/13/2024 03:28	WG2304116
Trichloroethene	U		0.00106	0.00182	1.12	06/13/2024 03:28	WG2304116
Trichlorofluoromethane	U		0.00150	0.00454	1.12	06/13/2024 03:28	WG2304116
1,2,3-Trichloropropane	U		0.00294	0.0227	1.12	06/13/2024 03:28	WG2304116
1,2,4-Trimethylbenzene	U		0.00287	0.00908	1.12	06/13/2024 03:28	WG2304116
1,2,3-Trimethylbenzene	U		0.00287	0.00908	1.12	06/13/2024 03:28	WG2304116
1,3,5-Trimethylbenzene	U		0.00363	0.00908	1.12	06/13/2024 03:28	WG2304116
Vinyl chloride	U		0.00211	0.00454	1.12	06/13/2024 03:28	WG2304116
Xylenes, Total	0.0185		0.00160	0.0118	1.12	06/13/2024 03:28	WG2304116
(S) Toluene-d8	*114*			*75.0-131*		*06/13/2024 03:28*	WG2304116
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*		*06/13/2024 03:28*	WG2304116
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*06/13/2024 03:28*	WG2304116

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.974	5.32	1	06/14/2024 02:58	WG2304127
C22-C32 Hydrocarbons	U		1.77	5.32	1	06/14/2024 02:58	WG2304127
C32-C40 Hydrocarbons	U		1.77	5.32	1	06/14/2024 02:58	WG2304127
(S) o-Terphenyl	*56.5*			*18.0-148*		*06/14/2024 02:58*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00716	0.0443	1	06/13/2024 21:48	WG2304128
Acenaphthylene	U		0.00623	0.0443	1	06/13/2024 21:48	WG2304128
Anthracene	U		0.00788	0.0443	1	06/13/2024 21:48	WG2304128
Benzidine	U		0.0832	2.22	1	06/13/2024 21:48	WG2304128
Benzo(a)anthracene	U		0.00780	0.0443	1	06/13/2024 21:48	WG2304128
Benzo(b)fluoranthene	0.0113	J	0.00825	0.0443	1	06/13/2024 21:48	WG2304128
Benzo(k)fluoranthene	U		0.00787	0.0443	1	06/13/2024 21:48	WG2304128
Benzo(g,h,i)perylene	U		0.00809	0.0443	1	06/13/2024 21:48	WG2304128
Benzo(a)pyrene	0.00880	J	0.00823	0.0443	1	06/13/2024 21:48	WG2304128
Bis(2-chlorethoxy)methane	U		0.0133	0.443	1	06/13/2024 21:48	WG2304128
Bis(2-chloroethyl)ether	U		0.0146	0.443	1	06/13/2024 21:48	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0191	0.443	1	06/13/2024 21:48	WG2304128
4-Bromophenyl-phenylether	U		0.0156	0.443	1	06/13/2024 21:48	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	U		0.00778	0.0443	1	06/13/2024 21:48	WG2304128
4-Chlorophenyl-phenylether	U		0.0154	0.443	1	06/13/2024 21:48	WG2304128
Chrysene	0.00882	J	0.00880	0.0443	1	06/13/2024 21:48	WG2304128
Dibenz(a,h)anthracene	U		0.0123	0.0443	1	06/13/2024 21:48	WG2304128
1,2-Dichlorobenzene	U		0.0131	0.443	1	06/13/2024 21:48	WG2304128
1,3-Dichlorobenzene	U		0.0134	0.443	1	06/13/2024 21:48	WG2304128
1,4-Dichlorobenzene	U		0.0132	0.443	1	06/13/2024 21:48	WG2304128
3,3-Dichlorobenzidine	U		0.0163	0.443	1	06/13/2024 21:48	WG2304128
2,4-Dinitrotoluene	U		0.0127	0.443	1	06/13/2024 21:48	WG2304128
2,6-Dinitrotoluene	U		0.0145	0.443	1	06/13/2024 21:48	WG2304128
Fluoranthene	0.0132	J	0.00799	0.0443	1	06/13/2024 21:48	WG2304128
Fluorene	U		0.00720	0.0443	1	06/13/2024 21:48	WG2304128
Hexachlorobenzene	U		0.0157	0.443	1	06/13/2024 21:48	WG2304128
Hexachloro-1,3-butadiene	U		0.0149	0.443	1	06/13/2024 21:48	WG2304128
Hexachlorocyclopentadiene	U		0.0233	0.443	1	06/13/2024 21:48	WG2304128
Hexachloroethane	U		0.0174	0.443	1	06/13/2024 21:48	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0125	0.0443	1	06/13/2024 21:48	WG2304128
Isophorone	U		0.0136	0.443	1	06/13/2024 21:48	WG2304128
Naphthalene	U		0.0111	0.0443	1	06/13/2024 21:48	WG2304128
Nitrobenzene	U		0.0154	0.443	1	06/13/2024 21:48	WG2304128
n-Nitrosodimethylamine	U		0.0657	0.443	1	06/13/2024 21:48	WG2304128
n-Nitrosodiphenylamine	U		0.0335	0.443	1	06/13/2024 21:48	WG2304128
n-Nitrosodi-n-propylamine	U		0.0148	0.443	1	06/13/2024 21:48	WG2304128
Phenanthrene	0.0218	J	0.00879	0.0443	1	06/13/2024 21:48	WG2304128
Benzylbutyl phthalate	U		0.0138	0.443	1	06/13/2024 21:48	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0561	0.443	1	06/13/2024 21:48	WG2304128
Di-n-butyl phthalate	U		0.0152	0.443	1	06/13/2024 21:48	WG2304128
Diethyl phthalate	U		0.0146	0.443	1	06/13/2024 21:48	WG2304128
Dimethyl phthalate	U		0.0938	0.443	1	06/13/2024 21:48	WG2304128
Di-n-octyl phthalate	U		0.0299	0.443	1	06/13/2024 21:48	WG2304128
Pyrene	0.0142	J	0.00861	0.0443	1	06/13/2024 21:48	WG2304128
1,2,4-Trichlorobenzene	U		0.0138	0.443	1	06/13/2024 21:48	WG2304128
4-Chloro-3-methylphenol	U		0.0144	0.443	1	06/13/2024 21:48	WG2304128
2-Chlorophenol	U		0.0146	0.443	1	06/13/2024 21:48	WG2304128
2,4-Dichlorophenol	U		0.0129	0.443	1	06/13/2024 21:48	WG2304128
2,4-Dimethylphenol	U		0.0116	0.443	1	06/13/2024 21:48	WG2304128
4,6-Dinitro-2-methylphenol	U		0.100	0.443	1	06/13/2024 21:48	WG2304128
2,4-Dinitrophenol	U		0.104	0.443	1	06/13/2024 21:48	WG2304128
2-Nitrophenol	U		0.0158	0.443	1	06/13/2024 21:48	WG2304128
4-Nitrophenol	U		0.0138	0.443	1	06/13/2024 21:48	WG2304128
Pentachlorophenol	U		0.0119	0.443	1	06/13/2024 21:48	WG2304128
Phenol	U		0.0178	0.443	1	06/13/2024 21:48	WG2304128
2,4,6-Trichlorophenol	U		0.0142	0.443	1	06/13/2024 21:48	WG2304128
(S) 2-Fluorophenol	*56.6*			*12.0-120*		*06/13/2024 21:48*	WG2304128
(S) Phenol-d5	*49.2*			*10.0-120*		*06/13/2024 21:48*	WG2304128
(S) Nitrobenzene-d5	*51.7*			*10.0-122*		*06/13/2024 21:48*	WG2304128
(S) 2-Fluorobiphenyl	*58.9*			*15.0-120*		*06/13/2024 21:48*	WG2304128
(S) 2,4,6-Tribromophenol	*47.5*			*10.0-127*		*06/13/2024 21:48*	WG2304128
(S) p-Terphenyl-d14	*60.2*			*10.0-120*		*06/13/2024 21:48*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.2		1	06/03/2024 15:22	WG2297639

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.39	4.19	25	06/06/2024 04:31	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/06/2024 04:31*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0612	0.0838	1	06/11/2024 21:21	WG2303036
Acrylonitrile	U		0.00605	0.0209	1	06/11/2024 21:21	WG2303036
Benzene	U		0.000783	0.00168	1	06/11/2024 21:21	WG2303036
Bromobenzene	U		0.00151	0.0209	1	06/11/2024 21:21	WG2303036
Bromodichloromethane	U		0.00121	0.00419	1	06/11/2024 21:21	WG2303036
Bromoform	U		0.00196	0.0419	1	06/11/2024 21:21	WG2303036
Bromomethane	U		0.00330	0.0209	1	06/11/2024 21:21	WG2303036
n-Butylbenzene	U		0.00880	0.0209	1	06/11/2024 21:21	WG2303036
sec-Butylbenzene	U		0.00483	0.0209	1	06/11/2024 21:21	WG2303036
tert-Butylbenzene	U		0.00327	0.00838	1	06/11/2024 21:21	WG2303036
Carbon tetrachloride	U		0.00150	0.00838	1	06/11/2024 21:21	WG2303036
Chlorobenzene	U		0.000352	0.00419	1	06/11/2024 21:21	WG2303036
Chlorodibromomethane	U		0.00103	0.00419	1	06/11/2024 21:21	WG2303036
Chloroethane	U		0.00285	0.00838	1	06/11/2024 21:21	WG2303036
Chloroform	U		0.00173	0.00419	1	06/11/2024 21:21	WG2303036
Chloromethane	U		0.00729	0.0209	1	06/11/2024 21:21	WG2303036
2-Chlorotoluene	U		0.00145	0.00419	1	06/11/2024 21:21	WG2303036
4-Chlorotoluene	U		0.000754	0.00838	1	06/11/2024 21:21	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00654	0.0419	1	06/11/2024 21:21	WG2303036
1,2-Dibromoethane	U		0.00109	0.00419	1	06/11/2024 21:21	WG2303036
Dibromomethane	U		0.00126	0.00838	1	06/11/2024 21:21	WG2303036
1,2-Dichlorobenzene	U		0.000712	0.00838	1	06/11/2024 21:21	WG2303036
1,3-Dichlorobenzene	U		0.00101	0.00838	1	06/11/2024 21:21	WG2303036
1,4-Dichlorobenzene	U		0.00117	0.00838	1	06/11/2024 21:21	WG2303036
Dichlorodifluoromethane	U		0.00270	0.00838	1	06/11/2024 21:21	WG2303036
1,1-Dichloroethane	U		0.000823	0.00419	1	06/11/2024 21:21	WG2303036
1,2-Dichloroethane	U		0.00109	0.00419	1	06/11/2024 21:21	WG2303036
1,1-Dichloroethene	U		0.00102	0.00419	1	06/11/2024 21:21	WG2303036
cis-1,2-Dichloroethene	U		0.00123	0.00419	1	06/11/2024 21:21	WG2303036
trans-1,2-Dichloroethene	U		0.00174	0.00838	1	06/11/2024 21:21	WG2303036
1,2-Dichloropropane	U		0.00238	0.00838	1	06/11/2024 21:21	WG2303036
1,1-Dichloropropene	U		0.00136	0.00419	1	06/11/2024 21:21	WG2303036
1,3-Dichloropropane	U		0.000840	0.00838	1	06/11/2024 21:21	WG2303036
cis-1,3-Dichloropropene	U		0.00127	0.00419	1	06/11/2024 21:21	WG2303036
trans-1,3-Dichloropropene	U		0.00191	0.00838	1	06/11/2024 21:21	WG2303036
2,2-Dichloropropane	U		0.00231	0.00419	1	06/11/2024 21:21	WG2303036
Di-isopropyl ether	U		0.000687	0.00168	1	06/11/2024 21:21	WG2303036
Ethylbenzene	U		0.00123	0.00419	1	06/11/2024 21:21	WG2303036
Hexachloro-1,3-butadiene	U		0.0101	0.0419	1	06/11/2024 21:21	WG2303036
Isopropylbenzene	U		0.000712	0.00419	1	06/11/2024 21:21	WG2303036
p-Isopropyltoluene	U		0.00427	0.00838	1	06/11/2024 21:21	WG2303036
2-Butanone (MEK)	U		0.106	0.168	1	06/11/2024 21:21	WG2303036
Methylene Chloride	U		0.0111	0.0419	1	06/11/2024 21:21	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00382	0.0419	1	06/11/2024 21:21	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000586	0.00168	1	06/11/2024 21:21	WG2303036
Naphthalene	U		0.00818	0.0209	1	06/11/2024 21:21	WG2303036
n-Propylbenzene	U		0.00159	0.00838	1	06/11/2024 21:21	WG2303036
Styrene	U		0.000384	0.0209	1	06/11/2024 21:21	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00159	0.00419	1	06/11/2024 21:21	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00116	0.00419	1	06/11/2024 21:21	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00126	0.00419	1	06/11/2024 21:21	WG2303036
Tetrachloroethene	U		0.00150	0.00419	1	06/11/2024 21:21	WG2303036
Toluene	U		0.00218	0.00838	1	06/11/2024 21:21	WG2303036
1,2,3-Trichlorobenzene	U		0.0123	0.0209	1	06/11/2024 21:21	WG2303036
1,2,4-Trichlorobenzene	U		0.00737	0.0209	1	06/11/2024 21:21	WG2303036
1,1,1-Trichloroethane	U		0.00155	0.00419	1	06/11/2024 21:21	WG2303036
1,1,2-Trichloroethane	U		0.00100	0.00419	1	06/11/2024 21:21	WG2303036
Trichloroethene	U		0.000979	0.00168	1	06/11/2024 21:21	WG2303036
Trichlorofluoromethane	U		0.00139	0.00419	1	06/11/2024 21:21	WG2303036
1,2,3-Trichloropropane	U		0.00271	0.0209	1	06/11/2024 21:21	WG2303036
1,2,4-Trimethylbenzene	U		0.00265	0.00838	1	06/11/2024 21:21	WG2303036
1,2,3-Trimethylbenzene	U		0.00265	0.00838	1	06/11/2024 21:21	WG2303036
1,3,5-Trimethylbenzene	U		0.00335	0.00838	1	06/11/2024 21:21	WG2303036
Vinyl chloride	U		0.00194	0.00419	1	06/11/2024 21:21	WG2303036
Xylenes, Total	U		0.00147	0.0109	1	06/11/2024 21:21	WG2303036
(S) Toluene-d8	*98.1*			*75.0-131*		*06/11/2024 21:21*	WG2303036
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 21:21*	WG2303036
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*06/11/2024 21:21*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	2.42	J	0.962	5.25	1	06/13/2024 12:27	WG2303234
C22-C32 Hydrocarbons	2.72	J	1.75	5.25	1	06/13/2024 12:27	WG2303234
C32-C40 Hydrocarbons	2.26	J	1.75	5.25	1	06/13/2024 12:27	WG2303234
(S) o-Terphenyl	*54.7*			*18.0-148*		*06/13/2024 12:27*	WG2303234

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.30	B J	1.22	3.69	25	06/13/2024 05:12	WG2304093
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*06/13/2024 05:12*	WG2304093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0538	0.0737	1	06/13/2024 03:49	WG2304116
Acrylonitrile	U		0.00532	0.0184	1	06/13/2024 03:49	WG2304116
Benzene	U		0.000689	0.00147	1	06/13/2024 03:49	WG2304116
Bromobenzene	U		0.00133	0.0184	1	06/13/2024 03:49	WG2304116
Bromodichloromethane	U		0.00107	0.00369	1	06/13/2024 03:49	WG2304116
Bromoform	U		0.00173	0.0369	1	06/13/2024 03:49	WG2304116
Bromomethane	U		0.00290	0.0184	1	06/13/2024 03:49	WG2304116
n-Butylbenzene	U		0.00774	0.0184	1	06/13/2024 03:49	WG2304116
sec-Butylbenzene	U		0.00425	0.0184	1	06/13/2024 03:49	WG2304116
tert-Butylbenzene	U		0.00288	0.00737	1	06/13/2024 03:49	WG2304116
Carbon tetrachloride	U		0.00132	0.00737	1	06/13/2024 03:49	WG2304116
Chlorobenzene	U		0.000310	0.00369	1	06/13/2024 03:49	WG2304116
Chlorodibromomethane	U		0.000902	0.00369	1	06/13/2024 03:49	WG2304116
Chloroethane	U		0.00251	0.00737	1	06/13/2024 03:49	WG2304116
Chloroform	U		0.00152	0.00369	1	06/13/2024 03:49	WG2304116
Chloromethane	U		0.00641	0.0184	1	06/13/2024 03:49	WG2304116
2-Chlorotoluene	U		0.00128	0.00369	1	06/13/2024 03:49	WG2304116
4-Chlorotoluene	U		0.000664	0.00737	1	06/13/2024 03:49	WG2304116
1,2-Dibromo-3-Chloropropane	U		0.00575	0.0369	1	06/13/2024 03:49	WG2304116
1,2-Dibromoethane	U		0.000955	0.00369	1	06/13/2024 03:49	WG2304116
Dibromomethane	U		0.00111	0.00737	1	06/13/2024 03:49	WG2304116
1,2-Dichlorobenzene	U		0.000627	0.00737	1	06/13/2024 03:49	WG2304116
1,3-Dichlorobenzene	U		0.000885	0.00737	1	06/13/2024 03:49	WG2304116
1,4-Dichlorobenzene	U		0.00103	0.00737	1	06/13/2024 03:49	WG2304116
Dichlorodifluoromethane	U		0.00237	0.00737	1	06/13/2024 03:49	WG2304116
1,1-Dichloroethane	U		0.000724	0.00369	1	06/13/2024 03:49	WG2304116
1,2-Dichloroethane	U		0.000957	0.00369	1	06/13/2024 03:49	WG2304116
1,1-Dichloroethene	U		0.000894	0.00369	1	06/13/2024 03:49	WG2304116
cis-1,2-Dichloroethene	U		0.00108	0.00369	1	06/13/2024 03:49	WG2304116
trans-1,2-Dichloroethene	U		0.00153	0.00737	1	06/13/2024 03:49	WG2304116
1,2-Dichloropropane	U		0.00209	0.00737	1	06/13/2024 03:49	WG2304116
1,1-Dichloropropene	U		0.00119	0.00369	1	06/13/2024 03:49	WG2304116
1,3-Dichloropropane	U		0.000739	0.00737	1	06/13/2024 03:49	WG2304116
cis-1,3-Dichloropropene	U		0.00112	0.00369	1	06/13/2024 03:49	WG2304116
trans-1,3-Dichloropropene	U		0.00168	0.00737	1	06/13/2024 03:49	WG2304116
2,2-Dichloropropane	U		0.00203	0.00369	1	06/13/2024 03:49	WG2304116
Di-isopropyl ether	U		0.000605	0.00147	1	06/13/2024 03:49	WG2304116
Ethylbenzene	U		0.00109	0.00369	1	06/13/2024 03:49	WG2304116
Hexachloro-1,3-butadiene	U		0.00885	0.0369	1	06/13/2024 03:49	WG2304116
Isopropylbenzene	U		0.000627	0.00369	1	06/13/2024 03:49	WG2304116
p-Isopropyltoluene	U		0.00376	0.00737	1	06/13/2024 03:49	WG2304116
2-Butanone (MEK)	U		0.0936	0.147	1	06/13/2024 03:49	WG2304116
Methylene Chloride	U		0.00979	0.0369	1	06/13/2024 03:49	WG2304116
4-Methyl-2-pentanone (MIBK)	U		0.00336	0.0369	1	06/13/2024 03:49	WG2304116

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000516	0.00147	1	06/13/2024 03:49	WG2304116
Naphthalene	U		0.00720	0.0184	1	06/13/2024 03:49	WG2304116
n-Propylbenzene	U		0.00140	0.00737	1	06/13/2024 03:49	WG2304116
Styrene	U		0.000338	0.0184	1	06/13/2024 03:49	WG2304116
1,1,1,2-Tetrachloroethane	U		0.00140	0.00369	1	06/13/2024 03:49	WG2304116
1,1,2,2-Tetrachloroethane	U		0.00102	0.00369	1	06/13/2024 03:49	WG2304116
1,1,2-Trichlorotrifluoroethane	U		0.00111	0.00369	1	06/13/2024 03:49	WG2304116
Tetrachloroethene	U		0.00132	0.00369	1	06/13/2024 03:49	WG2304116
Toluene	U		0.00192	0.00737	1	06/13/2024 03:49	WG2304116
1,2,3-Trichlorobenzene	U		0.0108	0.0184	1	06/13/2024 03:49	WG2304116
1,2,4-Trichlorobenzene	U		0.00649	0.0184	1	06/13/2024 03:49	WG2304116
1,1,1-Trichloroethane	U		0.00136	0.00369	1	06/13/2024 03:49	WG2304116
1,1,2-Trichloroethane	U		0.000880	0.00369	1	06/13/2024 03:49	WG2304116
Trichloroethene	U		0.000861	0.00147	1	06/13/2024 03:49	WG2304116
Trichlorofluoromethane	U		0.00122	0.00369	1	06/13/2024 03:49	WG2304116
1,2,3-Trichloropropane	U		0.00239	0.0184	1	06/13/2024 03:49	WG2304116
1,2,4-Trimethylbenzene	U		0.00233	0.00737	1	06/13/2024 03:49	WG2304116
1,2,3-Trimethylbenzene	U		0.00233	0.00737	1	06/13/2024 03:49	WG2304116
1,3,5-Trimethylbenzene	U		0.00295	0.00737	1	06/13/2024 03:49	WG2304116
Vinyl chloride	U		0.00171	0.00369	1	06/13/2024 03:49	WG2304116
Xylenes, Total	U		0.00130	0.00958	1	06/13/2024 03:49	WG2304116
(S) Toluene-d8	*114*			*75.0-131*		*06/13/2024 03:49*	WG2304116
(S) 4-Bromofluorobenzene	*95.4*			*67.0-138*		*06/13/2024 03:49*	WG2304116
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*06/13/2024 03:49*	WG2304116

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.883	4.82	1	06/14/2024 00:34	WG2304127
C22-C32 Hydrocarbons	U		1.60	4.82	1	06/14/2024 00:34	WG2304127
C32-C40 Hydrocarbons	U		1.60	4.82	1	06/14/2024 00:34	WG2304127
(S) o-Terphenyl	*64.3*			*18.0-148*		*06/14/2024 00:34*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00649	0.0401	1	06/13/2024 22:30	WG2304128
Acenaphthylene	U		0.00565	0.0401	1	06/13/2024 22:30	WG2304128
Anthracene	U		0.00714	0.0401	1	06/13/2024 22:30	WG2304128
Benzidine	U		0.0754	2.01	1	06/13/2024 22:30	WG2304128
Benzo(a)anthracene	U		0.00707	0.0401	1	06/13/2024 22:30	WG2304128
Benzo(b)fluoranthene	U		0.00748	0.0401	1	06/13/2024 22:30	WG2304128
Benzo(k)fluoranthene	U		0.00713	0.0401	1	06/13/2024 22:30	WG2304128
Benzo(g,h,i)perylene	U		0.00733	0.0401	1	06/13/2024 22:30	WG2304128
Benzo(a)pyrene	U		0.00745	0.0401	1	06/13/2024 22:30	WG2304128
Bis(2-chlorethoxy)methane	U		0.0120	0.401	1	06/13/2024 22:30	WG2304128
Bis(2-chloroethyl)ether	U		0.0132	0.401	1	06/13/2024 22:30	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0173	0.401	1	06/13/2024 22:30	WG2304128
4-Bromophenyl-phenylether	U		0.0141	0.401	1	06/13/2024 22:30	WG2304128
2-Chloronaphthalene	U		0.00704	0.0401	1	06/13/2024 22:30	WG2304128
4-Chlorophenyl-phenylether	U		0.0140	0.401	1	06/13/2024 22:30	WG2304128
Chrysene	U		0.00797	0.0401	1	06/13/2024 22:30	WG2304128
Dibenz(a,h)anthracene	U		0.0111	0.0401	1	06/13/2024 22:30	WG2304128
1,2-Dichlorobenzene	U		0.0119	0.401	1	06/13/2024 22:30	WG2304128
1,3-Dichlorobenzene	U		0.0122	0.401	1	06/13/2024 22:30	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0119	0.401	1	06/13/2024 22:30	WG2304128
3,3-Dichlorobenzidine	U		0.0148	0.401	1	06/13/2024 22:30	WG2304128
2,4-Dinitrotoluene	U		0.0115	0.401	1	06/13/2024 22:30	WG2304128
2,6-Dinitrotoluene	U		0.0131	0.401	1	06/13/2024 22:30	WG2304128
Fluoranthene	U		0.00724	0.0401	1	06/13/2024 22:30	WG2304128
Fluorene	U		0.00653	0.0401	1	06/13/2024 22:30	WG2304128
Hexachlorobenzene	U		0.0142	0.401	1	06/13/2024 22:30	WG2304128
Hexachloro-1,3-butadiene	U		0.0135	0.401	1	06/13/2024 22:30	WG2304128
Hexachlorocyclopentadiene	U		0.0211	0.401	1	06/13/2024 22:30	WG2304128
Hexachloroethane	U		0.0158	0.401	1	06/13/2024 22:30	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0401	1	06/13/2024 22:30	WG2304128
Isophorone	U		0.0123	0.401	1	06/13/2024 22:30	WG2304128
Naphthalene	U		0.0101	0.0401	1	06/13/2024 22:30	WG2304128
Nitrobenzene	U		0.0140	0.401	1	06/13/2024 22:30	WG2304128
n-Nitrosodimethylamine	U		0.0595	0.401	1	06/13/2024 22:30	WG2304128
n-Nitrosodiphenylamine	U		0.0303	0.401	1	06/13/2024 22:30	WG2304128
n-Nitrosodi-n-propylamine	U		0.0134	0.401	1	06/13/2024 22:30	WG2304128
Phenanthrene	U		0.00796	0.0401	1	06/13/2024 22:30	WG2304128
Benzylbutyl phthalate	U		0.0125	0.401	1	06/13/2024 22:30	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0508	0.401	1	06/13/2024 22:30	WG2304128
Di-n-butyl phthalate	U		0.0137	0.401	1	06/13/2024 22:30	WG2304128
Diethyl phthalate	U		0.0132	0.401	1	06/13/2024 22:30	WG2304128
Dimethyl phthalate	U		0.0850	0.401	1	06/13/2024 22:30	WG2304128
Di-n-octyl phthalate	U		0.0271	0.401	1	06/13/2024 22:30	WG2304128
Pyrene	U		0.00780	0.0401	1	06/13/2024 22:30	WG2304128
1,2,4-Trichlorobenzene	U		0.0125	0.401	1	06/13/2024 22:30	WG2304128
4-Chloro-3-methylphenol	U		0.0130	0.401	1	06/13/2024 22:30	WG2304128
2-Chlorophenol	U		0.0132	0.401	1	06/13/2024 22:30	WG2304128
2,4-Dichlorophenol	U		0.0117	0.401	1	06/13/2024 22:30	WG2304128
2,4-Dimethylphenol	U		0.0105	0.401	1	06/13/2024 22:30	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0909	0.401	1	06/13/2024 22:30	WG2304128
2,4-Dinitrophenol	U		0.0938	0.401	1	06/13/2024 22:30	WG2304128
2-Nitrophenol	U		0.0143	0.401	1	06/13/2024 22:30	WG2304128
4-Nitrophenol	U		0.0125	0.401	1	06/13/2024 22:30	WG2304128
Pentachlorophenol	U		0.0108	0.401	1	06/13/2024 22:30	WG2304128
Phenol	U		0.0161	0.401	1	06/13/2024 22:30	WG2304128
2,4,6-Trichlorophenol	U		0.0129	0.401	1	06/13/2024 22:30	WG2304128
(S) 2-Fluorophenol	*60.8*			*12.0-120*		*06/13/2024 22:30*	WG2304128
(S) Phenol-d5	*54.9*			*10.0-120*		*06/13/2024 22:30*	WG2304128
(S) Nitrobenzene-d5	*53.8*			*10.0-122*		*06/13/2024 22:30*	WG2304128
(S) 2-Fluorobiphenyl	*66.4*			*15.0-120*		*06/13/2024 22:30*	WG2304128
(S) 2,4,6-Tribromophenol	*50.5*			*10.0-127*		*06/13/2024 22:30*	WG2304128
(S) p-Terphenyl-d14	*67.6*			*10.0-120*		*06/13/2024 22:30*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	06/03/2024 16:12	WG2297640

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0455	0.0623	1	06/11/2024 21:40	WG2303036
Acrylonitrile	U		0.00450	0.0156	1	06/11/2024 21:40	WG2303036
Benzene	U		0.000582	0.00125	1	06/11/2024 21:40	WG2303036
Bromobenzene	U		0.00112	0.0156	1	06/11/2024 21:40	WG2303036
Bromodichloromethane	U		0.000904	0.00312	1	06/11/2024 21:40	WG2303036
Bromoform	U		0.00146	0.0312	1	06/11/2024 21:40	WG2303036
Bromomethane	U		0.00246	0.0156	1	06/11/2024 21:40	WG2303036
n-Butylbenzene	U		0.00654	0.0156	1	06/11/2024 21:40	WG2303036
sec-Butylbenzene	U		0.00359	0.0156	1	06/11/2024 21:40	WG2303036
tert-Butylbenzene	U		0.00243	0.00623	1	06/11/2024 21:40	WG2303036
Carbon tetrachloride	U		0.00112	0.00623	1	06/11/2024 21:40	WG2303036
Chlorobenzene	U		0.000262	0.00312	1	06/11/2024 21:40	WG2303036
Chlorodibromomethane	U		0.000763	0.00312	1	06/11/2024 21:40	WG2303036
Chloroethane	U		0.00212	0.00623	1	06/11/2024 21:40	WG2303036
Chloroform	U		0.00128	0.00312	1	06/11/2024 21:40	WG2303036
Chloromethane	U		0.00542	0.0156	1	06/11/2024 21:40	WG2303036
2-Chlorotoluene	U		0.00108	0.00312	1	06/11/2024 21:40	WG2303036
4-Chlorotoluene	U		0.000561	0.00623	1	06/11/2024 21:40	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00486	0.0312	1	06/11/2024 21:40	WG2303036
1,2-Dibromoethane	U		0.000808	0.00312	1	06/11/2024 21:40	WG2303036
Dibromomethane	U		0.000935	0.00623	1	06/11/2024 21:40	WG2303036
1,2-Dichlorobenzene	U		0.000530	0.00623	1	06/11/2024 21:40	WG2303036
1,3-Dichlorobenzene	U		0.000748	0.00623	1	06/11/2024 21:40	WG2303036
1,4-Dichlorobenzene	U		0.000873	0.00623	1	06/11/2024 21:40	WG2303036
Dichlorodifluoromethane	U		0.00201	0.00623	1	06/11/2024 21:40	WG2303036
1,1-Dichloroethane	U		0.000612	0.00312	1	06/11/2024 21:40	WG2303036
1,2-Dichloroethane	U		0.000809	0.00312	1	06/11/2024 21:40	WG2303036
1,1-Dichloroethene	U		0.000755	0.00312	1	06/11/2024 21:40	WG2303036
cis-1,2-Dichloroethene	U		0.000915	0.00312	1	06/11/2024 21:40	WG2303036
trans-1,2-Dichloroethene	U		0.00130	0.00623	1	06/11/2024 21:40	WG2303036
1,2-Dichloropropane	U		0.00177	0.00623	1	06/11/2024 21:40	WG2303036
1,1-Dichloropropene	U		0.00101	0.00312	1	06/11/2024 21:40	WG2303036
1,3-Dichloropropane	U		0.000625	0.00623	1	06/11/2024 21:40	WG2303036
cis-1,3-Dichloropropene	U		0.000944	0.00312	1	06/11/2024 21:40	WG2303036
trans-1,3-Dichloropropene	U		0.00142	0.00623	1	06/11/2024 21:40	WG2303036
2,2-Dichloropropane	U		0.00172	0.00312	1	06/11/2024 21:40	WG2303036
Di-isopropyl ether	U		0.000511	0.00125	1	06/11/2024 21:40	WG2303036
Ethylbenzene	U		0.000919	0.00312	1	06/11/2024 21:40	WG2303036
Hexachloro-1,3-butadiene	U		0.00748	0.0312	1	06/11/2024 21:40	WG2303036
Isopropylbenzene	U		0.000530	0.00312	1	06/11/2024 21:40	WG2303036
p-Isopropyltoluene	U		0.00318	0.00623	1	06/11/2024 21:40	WG2303036
2-Butanone (MEK)	U		0.0792	0.125	1	06/11/2024 21:40	WG2303036
Methylene Chloride	U		0.00828	0.0312	1	06/11/2024 21:40	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00284	0.0312	1	06/11/2024 21:40	WG2303036
Methyl tert-butyl ether	U		0.000436	0.00125	1	06/11/2024 21:40	WG2303036
Naphthalene	U		0.00608	0.0156	1	06/11/2024 21:40	WG2303036
n-Propylbenzene	U		0.00118	0.00623	1	06/11/2024 21:40	WG2303036
Styrene	U		0.000285	0.0156	1	06/11/2024 21:40	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00118	0.00312	1	06/11/2024 21:40	WG2303036
1,1,2,2-Tetrachloroethane	U		0.000866	0.00312	1	06/11/2024 21:40	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.000940	0.00312	1	06/11/2024 21:40	WG2303036
Tetrachloroethene	U		0.00112	0.00312	1	06/11/2024 21:40	WG2303036
Toluene	U		0.00162	0.00623	1	06/11/2024 21:40	WG2303036
1,2,3-Trichlorobenzene	U		0.00914	0.0156	1	06/11/2024 21:40	WG2303036
1,2,4-Trichlorobenzene	U		0.00549	0.0156	1	06/11/2024 21:40	WG2303036
1,1,1-Trichloroethane	U		0.00115	0.00312	1	06/11/2024 21:40	WG2303036
1,1,2-Trichloroethane	U		0.000744	0.00312	1	06/11/2024 21:40	WG2303036
Trichloroethene	U		0.000728	0.00125	1	06/11/2024 21:40	WG2303036
Trichlorofluoromethane	U		0.00103	0.00312	1	06/11/2024 21:40	WG2303036
1,2,3-Trichloropropane	U		0.00202	0.0156	1	06/11/2024 21:40	WG2303036
1,2,4-Trimethylbenzene	U		0.00197	0.00623	1	06/11/2024 21:40	WG2303036
1,2,3-Trimethylbenzene	U		0.00197	0.00623	1	06/11/2024 21:40	WG2303036
1,3,5-Trimethylbenzene	U		0.00249	0.00623	1	06/11/2024 21:40	WG2303036
Vinyl chloride	U		0.00145	0.00312	1	06/11/2024 21:40	WG2303036
Xylenes, Total	U		0.00110	0.00810	1	06/11/2024 21:40	WG2303036
(S) Toluene-d8	*100*			*75.0-131*		*06/11/2024 21:40*	WG2303036
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/11/2024 21:40*	WG2303036
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*06/11/2024 21:40*	WG2303036

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	06/04/2024 17:22	WG2298445

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0311	J	0.0221	0.0491	1	06/07/2024 18:26	WG2298562

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.33	J	0.667	2.45	1	06/11/2024 18:31	WG2299845
Arsenic	3.66		0.635	2.45	1	06/11/2024 18:31	WG2299845
Barium	237		0.104	0.613	1	06/11/2024 18:31	WG2299845
Beryllium	0.509		0.0386	0.245	1	06/11/2024 18:31	WG2299845
Cadmium	0.0779	J	0.0578	0.613	1	06/11/2024 18:31	WG2299845
Chromium	42.9		0.163	1.23	1	06/11/2024 18:31	WG2299845
Cobalt	14.6		0.0995	1.23	1	06/11/2024 18:31	WG2299845
Copper	29.0		0.491	2.45	1	06/11/2024 18:31	WG2299845
Lead	37.8		0.255	0.613	1	06/11/2024 18:31	WG2299845
Molybdenum	U		0.134	0.613	1	06/11/2024 18:31	WG2299845
Nickel	50.0		0.162	2.45	1	06/11/2024 18:31	WG2299845
Selenium	U		0.937	2.45	1	06/11/2024 18:31	WG2299845
Silver	U		0.156	1.23	1	06/11/2024 18:31	WG2299845
Thallium	U		0.483	2.45	1	06/11/2024 18:31	WG2299845
Vanadium	48.9		0.621	2.45	1	06/11/2024 18:31	WG2299845
Zinc	68.3		1.02	6.13	1	06/11/2024 18:31	WG2299845

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0145	0.0417	1	06/13/2024 13:28	WG2303247
PCB 1221	U		0.0145	0.0417	1	06/13/2024 13:28	WG2303247
PCB 1232	U		0.0145	0.0417	1	06/13/2024 13:28	WG2303247
PCB 1242	U		0.0145	0.0417	1	06/13/2024 13:28	WG2303247
PCB 1248	U		0.00905	0.0208	1	06/13/2024 13:28	WG2303247
PCB 1254	U		0.00905	0.0208	1	06/13/2024 13:28	WG2303247
PCB 1260	U		0.00905	0.0208	1	06/13/2024 13:28	WG2303247
(S) Decachlorobiphenyl	*53.9*			*10.0-135*		*06/13/2024 13:28*	WG2303247
(S) Tetrachloro-m-xylene	*52.2*			*10.0-139*		*06/13/2024 13:28*	WG2303247

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.00661	0.0408	1	06/13/2024 23:54	WG2303251
Acenaphthylene	U		0.00575	0.0408	1	06/13/2024 23:54	WG2303251
Anthracene	U		0.00727	0.0408	1	06/13/2024 23:54	WG2303251
Benzidine	U		0.0768	2.05	1	06/13/2024 23:54	WG2303251
Benzo(a)anthracene	U		0.00720	0.0408	1	06/13/2024 23:54	WG2303251
Benzo(b)fluoranthene	U		0.00762	0.0408	1	06/13/2024 23:54	WG2303251
Benzo(k)fluoranthene	U		0.00726	0.0408	1	06/13/2024 23:54	WG2303251
Benzo(g,h,i)perylene	U		0.00747	0.0408	1	06/13/2024 23:54	WG2303251
Benzo(a)pyrene	U		0.00759	0.0408	1	06/13/2024 23:54	WG2303251
Bis(2-chlorethoxy)methane	U		0.0123	0.408	1	06/13/2024 23:54	WG2303251
Bis(2-chloroethyl)ether	U		0.0135	0.408	1	06/13/2024 23:54	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U		0.0177	0.408	1	06/13/2024 23:54	WG2303251
4-Bromophenyl-phenylether	U		0.0143	0.408	1	06/13/2024 23:54	WG2303251
2-Chloronaphthalene	U		0.00717	0.0408	1	06/13/2024 23:54	WG2303251
4-Chlorophenyl-phenylether	U		0.0142	0.408	1	06/13/2024 23:54	WG2303251
Chrysene	U		0.00812	0.0408	1	06/13/2024 23:54	WG2303251
Dibenz(a,h)anthracene	U		0.0113	0.0408	1	06/13/2024 23:54	WG2303251
1,2-Dichlorobenzene	U		0.0121	0.408	1	06/13/2024 23:54	WG2303251
1,3-Dichlorobenzene	U		0.0124	0.408	1	06/13/2024 23:54	WG2303251
1,4-Dichlorobenzene	U		0.0122	0.408	1	06/13/2024 23:54	WG2303251
3,3-Dichlorobenzidine	U		0.0151	0.408	1	06/13/2024 23:54	WG2303251
2,4-Dinitrotoluene	U		0.0117	0.408	1	06/13/2024 23:54	WG2303251
2,6-Dinitrotoluene	U		0.0134	0.408	1	06/13/2024 23:54	WG2303251
Fluoranthene	U		0.00737	0.0408	1	06/13/2024 23:54	WG2303251
Fluorene	U		0.00665	0.0408	1	06/13/2024 23:54	WG2303251
Hexachlorobenzene	U		0.0145	0.408	1	06/13/2024 23:54	WG2303251
Hexachloro-1,3-butadiene	U		0.0137	0.408	1	06/13/2024 23:54	WG2303251
Hexachlorocyclopentadiene	U		0.0215	0.408	1	06/13/2024 23:54	WG2303251
Hexachloroethane	U		0.0161	0.408	1	06/13/2024 23:54	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.0115	0.0408	1	06/13/2024 23:54	WG2303251
Isophorone	U		0.0125	0.408	1	06/13/2024 23:54	WG2303251
Naphthalene	0.0278	J	0.0103	0.0408	1	06/13/2024 23:54	WG2303251
Nitrobenzene	U		0.0142	0.408	1	06/13/2024 23:54	WG2303251
n-Nitrosodimethylamine	U		0.0606	0.408	1	06/13/2024 23:54	WG2303251
n-Nitrosodiphenylamine	U		0.0309	0.408	1	06/13/2024 23:54	WG2303251
n-Nitrosodi-n-propylamine	U		0.0136	0.408	1	06/13/2024 23:54	WG2303251
Phenanthrene	U		0.00811	0.0408	1	06/13/2024 23:54	WG2303251
Benzylbutyl phthalate	U		0.0128	0.408	1	06/13/2024 23:54	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.0518	0.408	1	06/13/2024 23:54	WG2303251
Di-n-butyl phthalate	U		0.0140	0.408	1	06/13/2024 23:54	WG2303251
Diethyl phthalate	U		0.0135	0.408	1	06/13/2024 23:54	WG2303251
Dimethyl phthalate	U		0.0866	0.408	1	06/13/2024 23:54	WG2303251
Di-n-octyl phthalate	U		0.0276	0.408	1	06/13/2024 23:54	WG2303251
Pyrene	U		0.00795	0.0408	1	06/13/2024 23:54	WG2303251
1,2,4-Trichlorobenzene	U		0.0128	0.408	1	06/13/2024 23:54	WG2303251
4-Chloro-3-methylphenol	U		0.0132	0.408	1	06/13/2024 23:54	WG2303251
2-Chlorophenol	U		0.0135	0.408	1	06/13/2024 23:54	WG2303251
2,4-Dichlorophenol	U		0.0119	0.408	1	06/13/2024 23:54	WG2303251
2,4-Dimethylphenol	U		0.0107	0.408	1	06/13/2024 23:54	WG2303251
4,6-Dinitro-2-methylphenol	U		0.0926	0.408	1	06/13/2024 23:54	WG2303251
2,4-Dinitrophenol	U		0.0955	0.408	1	06/13/2024 23:54	WG2303251
2-Nitrophenol	U		0.0146	0.408	1	06/13/2024 23:54	WG2303251
4-Nitrophenol	U		0.0128	0.408	1	06/13/2024 23:54	WG2303251
Pentachlorophenol	U		0.0110	0.408	1	06/13/2024 23:54	WG2303251
Phenol	U		0.0164	0.408	1	06/13/2024 23:54	WG2303251
2,4,6-Trichlorophenol	U		0.0131	0.408	1	06/13/2024 23:54	WG2303251
(S) 2-Fluorophenol	*74.2*			*12.0-120*		*06/13/2024 23:54*	WG2303251
(S) Phenol-d5	*70.0*			*10.0-120*		*06/13/2024 23:54*	WG2303251
(S) Nitrobenzene-d5	*57.8*			*10.0-122*		*06/13/2024 23:54*	WG2303251
(S) 2-Fluorobiphenyl	*66.1*			*15.0-120*		*06/13/2024 23:54*	WG2303251
(S) 2,4,6-Tribromophenol	*66.9*			*10.0-127*		*06/13/2024 23:54*	WG2303251
(S) p-Terphenyl-d14	*73.9*			*10.0-120*		*06/13/2024 23:54*	WG2303251

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	06/04/2024 17:22	WG2298445

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0486		0.0193	0.0430	1	06/07/2024 18:29	WG2298562

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.32	J	0.584	2.15	1	06/11/2024 18:34	WG2299845
Arsenic	1.47	J	0.556	2.15	1	06/11/2024 18:34	WG2299845
Barium	105		0.0915	0.537	1	06/11/2024 18:34	WG2299845
Beryllium	0.167	J	0.0338	0.215	1	06/11/2024 18:34	WG2299845
Cadmium	0.219	J	0.0506	0.537	1	06/11/2024 18:34	WG2299845
Chromium	12.8		0.143	1.07	1	06/11/2024 18:34	WG2299845
Cobalt	5.63		0.0871	1.07	1	06/11/2024 18:34	WG2299845
Copper	30.8		0.430	2.15	1	06/11/2024 18:34	WG2299845
Lead	58.6		0.223	0.537	1	06/11/2024 18:34	WG2299845
Molybdenum	0.249	J	0.117	0.537	1	06/11/2024 18:34	WG2299845
Nickel	18.3		0.142	2.15	1	06/11/2024 18:34	WG2299845
Selenium	1.10	J	0.821	2.15	1	06/11/2024 18:34	WG2299845
Silver	U		0.136	1.07	1	06/11/2024 18:34	WG2299845
Thallium	U		0.423	2.15	1	06/11/2024 18:34	WG2299845
Vanadium	20.7		0.543	2.15	1	06/11/2024 18:34	WG2299845
Zinc	86.7		0.894	5.37	1	06/11/2024 18:34	WG2299845

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0425	0.0583	1	06/11/2024 21:59	WG2303036
Acrylonitrile	U		0.00421	0.0146	1	06/11/2024 21:59	WG2303036
Benzene	0.00850		0.000544	0.00117	1	06/11/2024 21:59	WG2303036
Bromobenzene	U		0.00105	0.0146	1	06/11/2024 21:59	WG2303036
Bromodichloromethane	U		0.000845	0.00291	1	06/11/2024 21:59	WG2303036
Bromoform	U		0.00136	0.0291	1	06/11/2024 21:59	WG2303036
Bromomethane	U		0.00230	0.0146	1	06/11/2024 21:59	WG2303036
n-Butylbenzene	U		0.00612	0.0146	1	06/11/2024 21:59	WG2303036
sec-Butylbenzene	U		0.00336	0.0146	1	06/11/2024 21:59	WG2303036
tert-Butylbenzene	U		0.00227	0.00583	1	06/11/2024 21:59	WG2303036
Carbon tetrachloride	U		0.00105	0.00583	1	06/11/2024 21:59	WG2303036
Chlorobenzene	U		0.000245	0.00291	1	06/11/2024 21:59	WG2303036
Chlorodibromomethane	U		0.000713	0.00291	1	06/11/2024 21:59	WG2303036
Chloroethane	U		0.00198	0.00583	1	06/11/2024 21:59	WG2303036
Chloroform	U		0.00120	0.00291	1	06/11/2024 21:59	WG2303036
Chloromethane	U		0.00507	0.0146	1	06/11/2024 21:59	WG2303036
2-Chlorotoluene	U		0.00101	0.00291	1	06/11/2024 21:59	WG2303036
4-Chlorotoluene	U		0.000524	0.00583	1	06/11/2024 21:59	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00454	0.0291	1	06/11/2024 21:59	WG2303036
1,2-Dibromoethane	U		0.000755	0.00291	1	06/11/2024 21:59	WG2303036
Dibromomethane	U		0.000874	0.00583	1	06/11/2024 21:59	WG2303036
1,2-Dichlorobenzene	U		0.000495	0.00583	1	06/11/2024 21:59	WG2303036
1,3-Dichlorobenzene	U		0.000699	0.00583	1	06/11/2024 21:59	WG2303036
1,4-Dichlorobenzene	U		0.000816	0.00583	1	06/11/2024 21:59	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dichlorodifluoromethane	U		0.00188	0.00583	1	06/11/2024 21:59	WG2303036
1,1-Dichloroethane	U		0.000572	0.00291	1	06/11/2024 21:59	WG2303036
1,2-Dichloroethane	U		0.000756	0.00291	1	06/11/2024 21:59	WG2303036
1,1-Dichloroethene	U		0.000706	0.00291	1	06/11/2024 21:59	WG2303036
cis-1,2-Dichloroethene	U		0.000855	0.00291	1	06/11/2024 21:59	WG2303036
trans-1,2-Dichloroethene	U		0.00121	0.00583	1	06/11/2024 21:59	WG2303036
1,2-Dichloropropane	U		0.00165	0.00583	1	06/11/2024 21:59	WG2303036
1,1-Dichloropropene	U		0.000943	0.00291	1	06/11/2024 21:59	WG2303036
1,3-Dichloropropane	U		0.000584	0.00583	1	06/11/2024 21:59	WG2303036
cis-1,3-Dichloropropene	U		0.000882	0.00291	1	06/11/2024 21:59	WG2303036
trans-1,3-Dichloropropene	U		0.00133	0.00583	1	06/11/2024 21:59	WG2303036
2,2-Dichloropropane	U		0.00161	0.00291	1	06/11/2024 21:59	WG2303036
Di-isopropyl ether	U		0.000478	0.00117	1	06/11/2024 21:59	WG2303036
Ethylbenzene	0.00371		0.000859	0.00291	1	06/11/2024 21:59	WG2303036
Hexachloro-1,3-butadiene	U		0.00699	0.0291	1	06/11/2024 21:59	WG2303036
Isopropylbenzene	0.00559		0.000495	0.00291	1	06/11/2024 21:59	WG2303036
p-Isopropyltoluene	0.00302	J	0.00297	0.00583	1	06/11/2024 21:59	WG2303036
2-Butanone (MEK)	U		0.0740	0.117	1	06/11/2024 21:59	WG2303036
Methylene Chloride	U		0.00774	0.0291	1	06/11/2024 21:59	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00266	0.0291	1	06/11/2024 21:59	WG2303036
Methyl tert-butyl ether	U		0.000408	0.00117	1	06/11/2024 21:59	WG2303036
Naphthalene	U		0.00569	0.0146	1	06/11/2024 21:59	WG2303036
n-Propylbenzene	0.00327	J	0.00111	0.00583	1	06/11/2024 21:59	WG2303036
Styrene	U		0.000267	0.0146	1	06/11/2024 21:59	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00110	0.00291	1	06/11/2024 21:59	WG2303036
1,1,2,2-Tetrachloroethane	U		0.000810	0.00291	1	06/11/2024 21:59	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.000879	0.00291	1	06/11/2024 21:59	WG2303036
Tetrachloroethene	U		0.00104	0.00291	1	06/11/2024 21:59	WG2303036
Toluene	0.00677		0.00151	0.00583	1	06/11/2024 21:59	WG2303036
1,2,3-Trichlorobenzene	U		0.00854	0.0146	1	06/11/2024 21:59	WG2303036
1,2,4-Trichlorobenzene	U		0.00513	0.0146	1	06/11/2024 21:59	WG2303036
1,1,1-Trichloroethane	U		0.00108	0.00291	1	06/11/2024 21:59	WG2303036
1,1,2-Trichloroethane	U		0.000696	0.00291	1	06/11/2024 21:59	WG2303036
Trichloroethene	U		0.000681	0.00117	1	06/11/2024 21:59	WG2303036
Trichlorofluoromethane	U		0.000964	0.00291	1	06/11/2024 21:59	WG2303036
1,2,3-Trichloropropane	U		0.00189	0.0146	1	06/11/2024 21:59	WG2303036
1,2,4-Trimethylbenzene	0.00894		0.00184	0.00583	1	06/11/2024 21:59	WG2303036
1,2,3-Trimethylbenzene	0.00509	J	0.00184	0.00583	1	06/11/2024 21:59	WG2303036
1,3,5-Trimethylbenzene	0.00861		0.00233	0.00583	1	06/11/2024 21:59	WG2303036
Vinyl chloride	U		0.00135	0.00291	1	06/11/2024 21:59	WG2303036
Xylenes, Total	0.0556		0.00103	0.00757	1	06/11/2024 21:59	WG2303036
(S) Toluene-d8	*101*			*75.0-131*		*06/11/2024 21:59*	WG2303036
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/11/2024 21:59*	WG2303036
(S) 1,2-Dichloroethane-d4	*88.7*			*70.0-130*		*06/11/2024 21:59*	WG2303036

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0579	0.358	10	06/14/2024 03:58	WG2303251
Acenaphthylene	U		0.0504	0.358	10	06/14/2024 03:58	WG2303251
Anthracene	U		0.0637	0.358	10	06/14/2024 03:58	WG2303251
Benzidine	U		0.672	17.9	10	06/14/2024 03:58	WG2303251
Benzo(a)anthracene	0.126	J	0.0630	0.358	10	06/14/2024 03:58	WG2303251
Benzo(b)fluoranthene	0.161	J	0.0667	0.358	10	06/14/2024 03:58	WG2303251
Benzo(k)fluoranthene	U		0.0636	0.358	10	06/14/2024 03:58	WG2303251
Benzo(g,h,i)perylene	0.115	J	0.0654	0.358	10	06/14/2024 03:58	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.213	J	0.0665	0.358	10	06/14/2024 03:58	WG2303251
Bis(2-chlorethoxy)methane	U		0.107	3.58	10	06/14/2024 03:58	WG2303251
Bis(2-chloroethyl)ether	U		0.118	3.58	10	06/14/2024 03:58	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.155	3.58	10	06/14/2024 03:58	WG2303251
4-Bromophenyl-phenylether	U		0.126	3.58	10	06/14/2024 03:58	WG2303251
2-Chloronaphthalene	U		0.0628	0.358	10	06/14/2024 03:58	WG2303251
4-Chlorophenyl-phenylether	U		0.125	3.58	10	06/14/2024 03:58	WG2303251
Chrysene	0.209	J	0.0711	0.358	10	06/14/2024 03:58	WG2303251
Dibenz(a,h)anthracene	U		0.0991	0.358	10	06/14/2024 03:58	WG2303251
1,2-Dichlorobenzene	U		0.106	3.58	10	06/14/2024 03:58	WG2303251
1,3-Dichlorobenzene	U		0.108	3.58	10	06/14/2024 03:58	WG2303251
1,4-Dichlorobenzene	U		0.106	3.58	10	06/14/2024 03:58	WG2303251
3,3-Dichlorobenzidine	U		0.132	3.58	10	06/14/2024 03:58	WG2303251
2,4-Dinitrotoluene	U		0.103	3.58	10	06/14/2024 03:58	WG2303251
2,6-Dinitrotoluene	U		0.117	3.58	10	06/14/2024 03:58	WG2303251
Fluoranthene	0.0949	J	0.0645	0.358	10	06/14/2024 03:58	WG2303251
Fluorene	U		0.0582	0.358	10	06/14/2024 03:58	WG2303251
Hexachlorobenzene	U		0.127	3.58	10	06/14/2024 03:58	WG2303251
Hexachloro-1,3-butadiene	U		0.120	3.58	10	06/14/2024 03:58	WG2303251
Hexachlorocyclopentadiene	U		0.188	3.58	10	06/14/2024 03:58	WG2303251
Hexachloroethane	U		0.141	3.58	10	06/14/2024 03:58	WG2303251
Indeno(1,2,3-cd)pyrene	U		0.101	0.358	10	06/14/2024 03:58	WG2303251
Isophorone	U		0.110	3.58	10	06/14/2024 03:58	WG2303251
Naphthalene	U		0.0898	0.358	10	06/14/2024 03:58	WG2303251
Nitrobenzene	U		0.125	3.58	10	06/14/2024 03:58	WG2303251
n-Nitrosodimethylamine	U		0.531	3.58	10	06/14/2024 03:58	WG2303251
n-Nitrosodiphenylamine	U		0.271	3.58	10	06/14/2024 03:58	WG2303251
n-Nitrosodi-n-propylamine	U		0.119	3.58	10	06/14/2024 03:58	WG2303251
Phenanthrene	0.207	J	0.0710	0.358	10	06/14/2024 03:58	WG2303251
Benzylbutyl phthalate	U		0.112	3.58	10	06/14/2024 03:58	WG2303251
Bis(2-ethylhexyl)phthalate	U		0.453	3.58	10	06/14/2024 03:58	WG2303251
Di-n-butyl phthalate	U		0.122	3.58	10	06/14/2024 03:58	WG2303251
Diethyl phthalate	U		0.118	3.58	10	06/14/2024 03:58	WG2303251
Dimethyl phthalate	U		0.758	3.58	10	06/14/2024 03:58	WG2303251
Di-n-octyl phthalate	U		0.242	3.58	10	06/14/2024 03:58	WG2303251
Pyrene	0.258	J	0.0696	0.358	10	06/14/2024 03:58	WG2303251
1,2,4-Trichlorobenzene	U		0.112	3.58	10	06/14/2024 03:58	WG2303251
4-Chloro-3-methylphenol	U		0.116	3.58	10	06/14/2024 03:58	WG2303251
2-Chlorophenol	U		0.118	3.58	10	06/14/2024 03:58	WG2303251
2,4-Dichlorophenol	U		0.104	3.58	10	06/14/2024 03:58	WG2303251
2,4-Dimethylphenol	U		0.0934	3.58	10	06/14/2024 03:58	WG2303251
4,6-Dinitro-2-methylphenol	U		0.811	3.58	10	06/14/2024 03:58	WG2303251
2,4-Dinitrophenol	U		0.837	3.58	10	06/14/2024 03:58	WG2303251
2-Nitrophenol	U		0.128	3.58	10	06/14/2024 03:58	WG2303251
4-Nitrophenol	U		0.112	3.58	10	06/14/2024 03:58	WG2303251
Pentachlorophenol	U		0.0962	3.58	10	06/14/2024 03:58	WG2303251
Phenol	U		0.144	3.58	10	06/14/2024 03:58	WG2303251
2,4,6-Trichlorophenol	U		0.115	3.58	10	06/14/2024 03:58	WG2303251
(S) 2-Fluorophenol	*70.0*			*12.0-120*		*06/14/2024 03:58*	WG2303251
(S) Phenol-d5	*69.2*			*10.0-120*		*06/14/2024 03:58*	WG2303251
(S) Nitrobenzene-d5	*50.3*			*10.0-122*		*06/14/2024 03:58*	WG2303251
(S) 2-Fluorobiphenyl	*64.7*			*15.0-120*		*06/14/2024 03:58*	WG2303251
(S) 2,4,6-Tribromophenol	*59.8*			*10.0-127*		*06/14/2024 03:58*	WG2303251
(S) p-Terphenyl-d14	*71.9*			*10.0-120*		*06/14/2024 03:58*	WG2303251

Sample Narrative:

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

L1741921-69 WG2303251: Dilution due to matrix impact during extract concentration procedure.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.4		1	06/04/2024 17:22	WG2298445

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0546		0.0239	0.0531	1	06/07/2024 18:32	WG2298562

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	1.68	J	0.722	2.65	1	06/11/2024 18:37	WG2299845
Arsenic	3.72		0.687	2.65	1	06/11/2024 18:37	WG2299845
Barium	323		0.113	0.663	1	06/11/2024 18:37	WG2299845
Beryllium	0.785		0.0418	0.265	1	06/11/2024 18:37	WG2299845
Cadmium	0.145	J	0.0625	0.663	1	06/11/2024 18:37	WG2299845
Chromium	44.6		0.176	1.33	1	06/11/2024 18:37	WG2299845
Cobalt	14.5		0.108	1.33	1	06/11/2024 18:37	WG2299845
Copper	35.7		0.531	2.65	1	06/11/2024 18:37	WG2299845
Lead	33.1		0.276	0.663	1	06/11/2024 18:37	WG2299845
Molybdenum	U		0.145	0.663	1	06/11/2024 18:37	WG2299845
Nickel	62.0		0.175	2.65	1	06/11/2024 18:37	WG2299845
Selenium	2.40	J	1.01	2.65	1	06/11/2024 18:37	WG2299845
Silver	U		0.168	1.33	1	06/11/2024 18:37	WG2299845
Thallium	U		0.523	2.65	1	06/11/2024 18:37	WG2299845
Vanadium	50.7		0.671	2.65	1	06/11/2024 18:37	WG2299845
Zinc	66.0		1.10	6.63	1	06/11/2024 18:37	WG2299845

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	348		2.98	8.99	55.5	06/11/2024 13:29	WG2302673
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*06/11/2024 13:29*	WG2302673

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.489	0.670	8	06/11/2024 22:55	WG2303036
Acrylonitrile	U		0.0484	0.168	8	06/11/2024 22:55	WG2303036
Benzene	0.0110	J	0.00627	0.0134	8	06/11/2024 22:55	WG2303036
Bromobenzene	U		0.0121	0.168	8	06/11/2024 22:55	WG2303036
Bromodichloromethane	U		0.00972	0.0335	8	06/11/2024 22:55	WG2303036
Bromoform	U		0.0157	0.335	8	06/11/2024 22:55	WG2303036
Bromomethane	U		0.0265	0.168	8	06/11/2024 22:55	WG2303036
n-Butylbenzene	U		0.0704	0.168	8	06/11/2024 22:55	WG2303036
sec-Butylbenzene	0.0583	J	0.0385	0.168	8	06/11/2024 22:55	WG2303036
tert-Butylbenzene	U		0.0261	0.0670	8	06/11/2024 22:55	WG2303036
Carbon tetrachloride	U		0.0120	0.0670	8	06/11/2024 22:55	WG2303036
Chlorobenzene	U		0.00282	0.0335	8	06/11/2024 22:55	WG2303036
Chlorodibromomethane	U		0.00821	0.0335	8	06/11/2024 22:55	WG2303036
Chloroethane	U		0.0228	0.0670	8	06/11/2024 22:55	WG2303036
Chloroform	U		0.0138	0.0335	8	06/11/2024 22:55	WG2303036
Chloromethane	U		0.0583	0.168	8	06/11/2024 22:55	WG2303036
2-Chlorotoluene	U		0.0116	0.0335	8	06/11/2024 22:55	WG2303036
4-Chlorotoluene	U		0.00603	0.0670	8	06/11/2024 22:55	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.0523	0.335	8	06/11/2024 22:55	WG2303036
1,2-Dibromoethane	U		0.00868	0.0335	8	06/11/2024 22:55	WG2303036
Dibromomethane	U		0.0101	0.0670	8	06/11/2024 22:55	WG2303036
1,2-Dichlorobenzene	U		0.00570	0.0670	8	06/11/2024 22:55	WG2303036
1,3-Dichlorobenzene	U		0.00804	0.0670	8	06/11/2024 22:55	WG2303036
1,4-Dichlorobenzene	U		0.00938	0.0670	8	06/11/2024 22:55	WG2303036
Dichlorodifluoromethane	U		0.0216	0.0670	8	06/11/2024 22:55	WG2303036
1,1-Dichloroethane	U		0.00659	0.0335	8	06/11/2024 22:55	WG2303036
1,2-Dichloroethane	U		0.00870	0.0335	8	06/11/2024 22:55	WG2303036
1,1-Dichloroethene	U		0.00813	0.0335	8	06/11/2024 22:55	WG2303036
cis-1,2-Dichloroethene	U		0.00984	0.0335	8	06/11/2024 22:55	WG2303036
trans-1,2-Dichloroethene	U		0.0139	0.0670	8	06/11/2024 22:55	WG2303036
1,2-Dichloropropane	U		0.0191	0.0670	8	06/11/2024 22:55	WG2303036
1,1-Dichloropropene	U		0.0108	0.0335	8	06/11/2024 22:55	WG2303036
1,3-Dichloropropane	U		0.00672	0.0670	8	06/11/2024 22:55	WG2303036
cis-1,3-Dichloropropene	U		0.0102	0.0335	8	06/11/2024 22:55	WG2303036
trans-1,3-Dichloropropene	U		0.0153	0.0670	8	06/11/2024 22:55	WG2303036
2,2-Dichloropropane	U		0.0184	0.0335	8	06/11/2024 22:55	WG2303036
Di-isopropyl ether	U		0.00550	0.0134	8	06/11/2024 22:55	WG2303036
Ethylbenzene	0.0769		0.00989	0.0335	8	06/11/2024 22:55	WG2303036
Hexachloro-1,3-butadiene	U		0.0804	0.335	8	06/11/2024 22:55	WG2303036
Isopropylbenzene	0.226		0.00570	0.0335	8	06/11/2024 22:55	WG2303036
p-Isopropyltoluene	U		0.0342	0.0670	8	06/11/2024 22:55	WG2303036
2-Butanone (MEK)	U		0.851	1.34	8	06/11/2024 22:55	WG2303036
Methylene Chloride	U		0.0890	0.335	8	06/11/2024 22:55	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.0305	0.335	8	06/11/2024 22:55	WG2303036
Methyl tert-butyl ether	U		0.00469	0.0134	8	06/11/2024 22:55	WG2303036
Naphthalene	U		0.0654	0.168	8	06/11/2024 22:55	WG2303036
n-Propylbenzene	0.167		0.0127	0.0670	8	06/11/2024 22:55	WG2303036
Styrene	U		0.00307	0.168	8	06/11/2024 22:55	WG2303036
1,1,1,2-Tetrachloroethane	U		0.0127	0.0335	8	06/11/2024 22:55	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00932	0.0335	8	06/11/2024 22:55	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.0101	0.0335	8	06/11/2024 22:55	WG2303036
Tetrachloroethene	U		0.0120	0.0335	8	06/11/2024 22:55	WG2303036
Toluene	0.0880		0.0174	0.0670	8	06/11/2024 22:55	WG2303036
1,2,3-Trichlorobenzene	U		0.0982	0.168	8	06/11/2024 22:55	WG2303036
1,2,4-Trichlorobenzene	U		0.0590	0.168	8	06/11/2024 22:55	WG2303036
1,1,1-Trichloroethane	U		0.0124	0.0335	8	06/11/2024 22:55	WG2303036
1,1,2-Trichloroethane	U		0.00801	0.0335	8	06/11/2024 22:55	WG2303036
Trichloroethene	U		0.00783	0.0134	8	06/11/2024 22:55	WG2303036
Trichlorofluoromethane	U		0.0111	0.0335	8	06/11/2024 22:55	WG2303036
1,2,3-Trichloropropane	U		0.0218	0.168	8	06/11/2024 22:55	WG2303036
1,2,4-Trimethylbenzene	0.0434	J	0.0211	0.0670	8	06/11/2024 22:55	WG2303036
1,2,3-Trimethylbenzene	0.0932		0.0211	0.0670	8	06/11/2024 22:55	WG2303036
1,3,5-Trimethylbenzene	U		0.0268	0.0670	8	06/11/2024 22:55	WG2303036
Vinyl chloride	U		0.0156	0.0335	8	06/11/2024 22:55	WG2303036
Xylenes, Total	0.300		0.0118	0.0871	8	06/11/2024 22:55	WG2303036
(S) Toluene-d8	*98.4*			*75.0-131*		*06/11/2024 22:55*	WG2303036
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/11/2024 22:55*	WG2303036
(S) 1,2-Dichloroethane-d4	*89.7*			*70.0-130*		*06/11/2024 22:55*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	6.59		0.972	5.31	1	06/13/2024 13:25	WG2303234
C22-C32 Hydrocarbons	28.7		1.76	5.31	1	06/13/2024 13:25	WG2303234
C32-C40 Hydrocarbons	11.7		1.76	5.31	1	06/13/2024 13:25	WG2303234
(S) o-Terphenyl	*34.1*			*18.0-148*		*06/13/2024 13:25*	WG2303234

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.533	J	0.143	0.884	20	06/14/2024 02:45	WG2303251
Acenaphthylene	U		0.124	0.884	20	06/14/2024 02:45	WG2303251
Anthracene	0.247	J	0.158	0.884	20	06/14/2024 02:45	WG2303251
Benzidine	U		1.66	44.3	20	06/14/2024 02:45	WG2303251
Benzo(a)anthracene	3.37		0.155	0.884	20	06/14/2024 02:45	WG2303251
Benzo(b)fluoranthene	1.37		0.165	0.884	20	06/14/2024 02:45	WG2303251
Benzo(k)fluoranthene	0.256	J	0.157	0.884	20	06/14/2024 02:45	WG2303251
Benzo(g,h,i)perylene	0.773	J	0.162	0.884	20	06/14/2024 02:45	WG2303251
Benzo(a)pyrene	2.84		0.165	0.884	20	06/14/2024 02:45	WG2303251
Bis(2-chlorethoxy)methane	U		0.265	8.84	20	06/14/2024 02:45	WG2303251
Bis(2-chloroethyl)ether	U		0.292	8.84	20	06/14/2024 02:45	WG2303251
2,2-Oxybis(1-Chloropropane)	U		0.382	8.84	20	06/14/2024 02:45	WG2303251
4-Bromophenyl-phenylether	U		0.310	8.84	20	06/14/2024 02:45	WG2303251
2-Chloronaphthalene	U		0.155	0.884	20	06/14/2024 02:45	WG2303251
4-Chlorophenyl-phenylether	U		0.308	8.84	20	06/14/2024 02:45	WG2303251
Chrysene	3.54		0.175	0.884	20	06/14/2024 02:45	WG2303251
Dibenz(a,h)anthracene	0.696	J	0.245	0.884	20	06/14/2024 02:45	WG2303251
1,2-Dichlorobenzene	U		0.261	8.84	20	06/14/2024 02:45	WG2303251
1,3-Dichlorobenzene	U		0.268	8.84	20	06/14/2024 02:45	WG2303251
1,4-Dichlorobenzene	U		0.263	8.84	20	06/14/2024 02:45	WG2303251
3,3-Dichlorobenzidine	U		0.326	8.84	20	06/14/2024 02:45	WG2303251
2,4-Dinitrotoluene	U		0.253	8.84	20	06/14/2024 02:45	WG2303251
2,6-Dinitrotoluene	U		0.289	8.84	20	06/14/2024 02:45	WG2303251
Fluoranthene	0.638	J	0.159	0.884	20	06/14/2024 02:45	WG2303251
Fluorene	0.895		0.143	0.884	20	06/14/2024 02:45	WG2303251
Hexachlorobenzene	U		0.313	8.84	20	06/14/2024 02:45	WG2303251
Hexachloro-1,3-butadiene	U		0.297	8.84	20	06/14/2024 02:45	WG2303251
Hexachlorocyclopentadiene	U		0.464	8.84	20	06/14/2024 02:45	WG2303251
Hexachloroethane	U		0.348	8.84	20	06/14/2024 02:45	WG2303251
Indeno(1,2,3-cd)pyrene	0.287	J	0.249	0.884	20	06/14/2024 02:45	WG2303251
Isophorone	U		0.271	8.84	20	06/14/2024 02:45	WG2303251
Naphthalene	5.57		0.222	0.884	20	06/14/2024 02:45	WG2303251
Nitrobenzene	U		0.308	8.84	20	06/14/2024 02:45	WG2303251
n-Nitrosodimethylamine	U		1.31	8.84	20	06/14/2024 02:45	WG2303251
n-Nitrosodiphenylamine	U		0.669	8.84	20	06/14/2024 02:45	WG2303251
n-Nitrosodi-n-propylamine	U		0.295	8.84	20	06/14/2024 02:45	WG2303251
Phenanthrene	2.35		0.175	0.884	20	06/14/2024 02:45	WG2303251
Benzylbutyl phthalate	U		0.276	8.84	20	06/14/2024 02:45	WG2303251
Bis(2-ethylhexyl)phthalate	U		1.12	8.84	20	06/14/2024 02:45	WG2303251
Di-n-butyl phthalate	U		0.302	8.84	20	06/14/2024 02:45	WG2303251
Diethyl phthalate	U		0.292	8.84	20	06/14/2024 02:45	WG2303251
Dimethyl phthalate	U		1.87	8.84	20	06/14/2024 02:45	WG2303251
Di-n-octyl phthalate	U		0.597	8.84	20	06/14/2024 02:45	WG2303251
Pyrene	2.19		0.172	0.884	20	06/14/2024 02:45	WG2303251
1,2,4-Trichlorobenzene	U		0.276	8.84	20	06/14/2024 02:45	WG2303251
4-Chloro-3-methylphenol	U		0.287	8.84	20	06/14/2024 02:45	WG2303251
2-Chlorophenol	U		0.292	8.84	20	06/14/2024 02:45	WG2303251
2,4-Dichlorophenol	U		0.257	8.84	20	06/14/2024 02:45	WG2303251

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.231	8.84	20	06/14/2024 02:45	WG2303251
4,6-Dinitro-2-methylphenol	U		2.00	8.84	20	06/14/2024 02:45	WG2303251
2,4-Dinitrophenol	U		2.07	8.84	20	06/14/2024 02:45	WG2303251
2-Nitrophenol	U		0.316	8.84	20	06/14/2024 02:45	WG2303251
4-Nitrophenol	U		0.276	8.84	20	06/14/2024 02:45	WG2303251
Pentachlorophenol	U		0.237	8.84	20	06/14/2024 02:45	WG2303251
Phenol	U		0.356	8.84	20	06/14/2024 02:45	WG2303251
2,4,6-Trichlorophenol	U		0.284	8.84	20	06/14/2024 02:45	WG2303251
(S) 2-Fluorophenol	*53.0*	J7		*12.0-120*		*06/14/2024 02:45*	WG2303251
(S) Phenol-d5	*52.4*	J7		*10.0-120*		*06/14/2024 02:45*	WG2303251
(S) Nitrobenzene-d5	*0.000*	J7		*10.0-122*		*06/14/2024 02:45*	WG2303251
(S) 2-Fluorobiphenyl	*69.2*	J7		*15.0-120*		*06/14/2024 02:45*	WG2303251
(S) 2,4,6-Tribromophenol	*63.3*	J7		*10.0-127*		*06/14/2024 02:45*	WG2303251
(S) p-Terphenyl-d14	*78.2*	J7		*10.0-120*		*06/14/2024 02:45*	WG2303251

Sample Narrative:

L1741921-70 WG2303251: Dilution due to matrix impact during concentration procedure. Surrogate failure due to matrix.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.2		1	06/13/2024 08:01	WG2304168

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	34.4		1.36	4.10	25.3	06/13/2024 14:02	WG2304524
(S) a,a,a-Trifluorotoluene(FID)	*87.4*			*77.0-120*		*06/13/2024 14:02*	WG2304524

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0598	0.0818	1.01	06/13/2024 04:09	WG2304116
Acrylonitrile	U		0.00592	0.0204	1.01	06/13/2024 04:09	WG2304116
Benzene	0.0188		0.000765	0.00164	1.01	06/13/2024 04:09	WG2304116
Bromobenzene	U		0.00147	0.0204	1.01	06/13/2024 04:09	WG2304116
Bromodichloromethane	U		0.00119	0.00410	1.01	06/13/2024 04:09	WG2304116
Bromoform	U		0.00191	0.0410	1.01	06/13/2024 04:09	WG2304116
Bromomethane	U		0.00323	0.0204	1.01	06/13/2024 04:09	WG2304116
n-Butylbenzene	0.0758		0.00859	0.0204	1.01	06/13/2024 04:09	WG2304116
sec-Butylbenzene	0.0561		0.00472	0.0204	1.01	06/13/2024 04:09	WG2304116
tert-Butylbenzene	U		0.00319	0.00818	1.01	06/13/2024 04:09	WG2304116
Carbon tetrachloride	U		0.00147	0.00818	1.01	06/13/2024 04:09	WG2304116
Chlorobenzene	U		0.000344	0.00410	1.01	06/13/2024 04:09	WG2304116
Chlorodibromomethane	U		0.00100	0.00410	1.01	06/13/2024 04:09	WG2304116
Chloroethane	U		0.00279	0.00818	1.01	06/13/2024 04:09	WG2304116
Chloroform	U		0.00169	0.00410	1.01	06/13/2024 04:09	WG2304116
Chloromethane	U		0.00711	0.0204	1.01	06/13/2024 04:09	WG2304116
2-Chlorotoluene	U		0.00142	0.00410	1.01	06/13/2024 04:09	WG2304116
4-Chlorotoluene	U		0.000737	0.00818	1.01	06/13/2024 04:09	WG2304116
1,2-Dibromo-3-Chloropropane	U		0.00639	0.0410	1.01	06/13/2024 04:09	WG2304116
1,2-Dibromoethane	U		0.00106	0.00410	1.01	06/13/2024 04:09	WG2304116
Dibromomethane	U		0.00123	0.00818	1.01	06/13/2024 04:09	WG2304116
1,2-Dichlorobenzene	U		0.000695	0.00818	1.01	06/13/2024 04:09	WG2304116
1,3-Dichlorobenzene	U		0.000982	0.00818	1.01	06/13/2024 04:09	WG2304116
1,4-Dichlorobenzene	U		0.00115	0.00818	1.01	06/13/2024 04:09	WG2304116
Dichlorodifluoromethane	U		0.00264	0.00818	1.01	06/13/2024 04:09	WG2304116
1,1-Dichloroethane	U		0.000804	0.00410	1.01	06/13/2024 04:09	WG2304116
1,2-Dichloroethane	U		0.00106	0.00410	1.01	06/13/2024 04:09	WG2304116
1,1-Dichloroethene	U		0.000992	0.00410	1.01	06/13/2024 04:09	WG2304116
cis-1,2-Dichloroethene	U		0.00120	0.00410	1.01	06/13/2024 04:09	WG2304116
trans-1,2-Dichloroethene	U		0.00170	0.00818	1.01	06/13/2024 04:09	WG2304116
1,2-Dichloropropane	U		0.00232	0.00818	1.01	06/13/2024 04:09	WG2304116
1,1-Dichloropropene	U		0.00132	0.00410	1.01	06/13/2024 04:09	WG2304116
1,3-Dichloropropane	U		0.000820	0.00818	1.01	06/13/2024 04:09	WG2304116
cis-1,3-Dichloropropene	U		0.00124	0.00410	1.01	06/13/2024 04:09	WG2304116
trans-1,3-Dichloropropene	U		0.00186	0.00818	1.01	06/13/2024 04:09	WG2304116
2,2-Dichloropropane	U		0.00225	0.00410	1.01	06/13/2024 04:09	WG2304116
Di-isopropyl ether	U		0.000671	0.00164	1.01	06/13/2024 04:09	WG2304116
Ethylbenzene	0.00716		0.00121	0.00410	1.01	06/13/2024 04:09	WG2304116
Hexachloro-1,3-butadiene	U		0.00982	0.0410	1.01	06/13/2024 04:09	WG2304116
Isopropylbenzene	0.102		0.000695	0.00410	1.01	06/13/2024 04:09	WG2304116
p-Isopropyltoluene	0.0212		0.00418	0.00818	1.01	06/13/2024 04:09	WG2304116
2-Butanone (MEK)	U		0.104	0.164	1.01	06/13/2024 04:09	WG2304116
Methylene Chloride	U		0.0109	0.0410	1.01	06/13/2024 04:09	WG2304116
4-Methyl-2-pentanone (MIBK)	U		0.00373	0.0410	1.01	06/13/2024 04:09	WG2304116

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000572	0.00164	1.01	06/13/2024 04:09	WG2304116
Naphthalene	0.0141	J	0.00799	0.0204	1.01	06/13/2024 04:09	WG2304116
n-Propylbenzene	0.306		0.00155	0.00818	1.01	06/13/2024 04:09	WG2304116
Styrene	U		0.000374	0.0204	1.01	06/13/2024 04:09	WG2304116
1,1,1,2-Tetrachloroethane	U		0.00155	0.00410	1.01	06/13/2024 04:09	WG2304116
1,1,2,2-Tetrachloroethane	U		0.00114	0.00410	1.01	06/13/2024 04:09	WG2304116
1,1,2-Trichlorotrifluoroethane	U		0.00123	0.00410	1.01	06/13/2024 04:09	WG2304116
Tetrachloroethene	U		0.00147	0.00410	1.01	06/13/2024 04:09	WG2304116
Toluene	0.0238		0.00212	0.00818	1.01	06/13/2024 04:09	WG2304116
1,2,3-Trichlorobenzene	U		0.0120	0.0204	1.01	06/13/2024 04:09	WG2304116
1,2,4-Trichlorobenzene	U		0.00720	0.0204	1.01	06/13/2024 04:09	WG2304116
1,1,1-Trichloroethane	U		0.00151	0.00410	1.01	06/13/2024 04:09	WG2304116
1,1,2-Trichloroethane	U		0.000977	0.00410	1.01	06/13/2024 04:09	WG2304116
Trichloroethene	U		0.000956	0.00164	1.01	06/13/2024 04:09	WG2304116
Trichlorofluoromethane	U		0.00135	0.00410	1.01	06/13/2024 04:09	WG2304116
1,2,3-Trichloropropane	U		0.00266	0.0204	1.01	06/13/2024 04:09	WG2304116
1,2,4-Trimethylbenzene	0.0335		0.00259	0.00818	1.01	06/13/2024 04:09	WG2304116
1,2,3-Trimethylbenzene	0.0198		0.00259	0.00818	1.01	06/13/2024 04:09	WG2304116
1,3,5-Trimethylbenzene	0.0280		0.00327	0.00818	1.01	06/13/2024 04:09	WG2304116
Vinyl chloride	U		0.00190	0.00410	1.01	06/13/2024 04:09	WG2304116
Xylenes, Total	0.0924		0.00144	0.0106	1.01	06/13/2024 04:09	WG2304116
(S) Toluene-d8	*118*			*75.0-131*		*06/13/2024 04:09*	WG2304116
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/13/2024 04:09*	WG2304116
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*06/13/2024 04:09*	WG2304116

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	3.14	J	0.962	5.25	1	06/14/2024 03:13	WG2304127
C22-C32 Hydrocarbons	3.39	J	1.75	5.25	1	06/14/2024 03:13	WG2304127
C32-C40 Hydrocarbons	U		1.75	5.25	1	06/14/2024 03:13	WG2304127
(S) o-Terphenyl	*39.2*			*18.0-148*		*06/14/2024 03:13*	WG2304127

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00707	0.0437	1	06/13/2024 22:09	WG2304128
Acenaphthylene	U		0.00615	0.0437	1	06/13/2024 22:09	WG2304128
Anthracene	U		0.00778	0.0437	1	06/13/2024 22:09	WG2304128
Benzidine	U		0.0821	2.19	1	06/13/2024 22:09	WG2304128
Benzo(a)anthracene	U		0.00770	0.0437	1	06/13/2024 22:09	WG2304128
Benzo(b)fluoranthene	U		0.00815	0.0437	1	06/13/2024 22:09	WG2304128
Benzo(k)fluoranthene	U		0.00777	0.0437	1	06/13/2024 22:09	WG2304128
Benzo(g,h,i)perylene	U		0.00799	0.0437	1	06/13/2024 22:09	WG2304128
Benzo(a)pyrene	U		0.00812	0.0437	1	06/13/2024 22:09	WG2304128
Bis(2-chlorethoxy)methane	U		0.0131	0.437	1	06/13/2024 22:09	WG2304128
Bis(2-chloroethyl)ether	U		0.0144	0.437	1	06/13/2024 22:09	WG2304128
2,2-Oxybis(1-Chloropropane)	U		0.0189	0.437	1	06/13/2024 22:09	WG2304128
4-Bromophenyl-phenylether	U		0.0154	0.437	1	06/13/2024 22:09	WG2304128
2-Chloronaphthalene	U		0.00768	0.0437	1	06/13/2024 22:09	WG2304128
4-Chlorophenyl-phenylether	U		0.0152	0.437	1	06/13/2024 22:09	WG2304128
Chrysene	U		0.00869	0.0437	1	06/13/2024 22:09	WG2304128
Dibenz(a,h)anthracene	U		0.0121	0.0437	1	06/13/2024 22:09	WG2304128
1,2-Dichlorobenzene	U		0.0130	0.437	1	06/13/2024 22:09	WG2304128
1,3-Dichlorobenzene	U		0.0133	0.437	1	06/13/2024 22:09	WG2304128

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.0130	0.437	1	06/13/2024 22:09	WG2304128
3,3-Dichlorobenzidine	U		0.0161	0.437	1	06/13/2024 22:09	WG2304128
2,4-Dinitrotoluene	U		0.0125	0.437	1	06/13/2024 22:09	WG2304128
2,6-Dinitrotoluene	U		0.0143	0.437	1	06/13/2024 22:09	WG2304128
Fluoranthene	0.00810	J	0.00789	0.0437	1	06/13/2024 22:09	WG2304128
Fluorene	U		0.00711	0.0437	1	06/13/2024 22:09	WG2304128
Hexachlorobenzene	U		0.0155	0.437	1	06/13/2024 22:09	WG2304128
Hexachloro-1,3-butadiene	U		0.0147	0.437	1	06/13/2024 22:09	WG2304128
Hexachlorocyclopentadiene	U		0.0230	0.437	1	06/13/2024 22:09	WG2304128
Hexachloroethane	U		0.0172	0.437	1	06/13/2024 22:09	WG2304128
Indeno(1,2,3-cd)pyrene	U		0.0123	0.0437	1	06/13/2024 22:09	WG2304128
Isophorone	U		0.0134	0.437	1	06/13/2024 22:09	WG2304128
Naphthalene	U		0.0110	0.0437	1	06/13/2024 22:09	WG2304128
Nitrobenzene	U		0.0152	0.437	1	06/13/2024 22:09	WG2304128
n-Nitrosodimethylamine	U		0.0648	0.437	1	06/13/2024 22:09	WG2304128
n-Nitrosodiphenylamine	U		0.0331	0.437	1	06/13/2024 22:09	WG2304128
n-Nitrosodi-n-propylamine	U		0.0146	0.437	1	06/13/2024 22:09	WG2304128
Phenanthrene	0.00916	J	0.00867	0.0437	1	06/13/2024 22:09	WG2304128
Benzylbutyl phthalate	U		0.0136	0.437	1	06/13/2024 22:09	WG2304128
Bis(2-ethylhexyl)phthalate	U		0.0554	0.437	1	06/13/2024 22:09	WG2304128
Di-n-butyl phthalate	U		0.0150	0.437	1	06/13/2024 22:09	WG2304128
Diethyl phthalate	U		0.0144	0.437	1	06/13/2024 22:09	WG2304128
Dimethyl phthalate	U		0.0926	0.437	1	06/13/2024 22:09	WG2304128
Di-n-octyl phthalate	U		0.0295	0.437	1	06/13/2024 22:09	WG2304128
Pyrene	0.00970	J	0.00850	0.0437	1	06/13/2024 22:09	WG2304128
1,2,4-Trichlorobenzene	U		0.0136	0.437	1	06/13/2024 22:09	WG2304128
4-Chloro-3-methylphenol	U		0.0142	0.437	1	06/13/2024 22:09	WG2304128
2-Chlorophenol	U		0.0144	0.437	1	06/13/2024 22:09	WG2304128
2,4-Dichlorophenol	U		0.0127	0.437	1	06/13/2024 22:09	WG2304128
2,4-Dimethylphenol	U		0.0114	0.437	1	06/13/2024 22:09	WG2304128
4,6-Dinitro-2-methylphenol	U		0.0991	0.437	1	06/13/2024 22:09	WG2304128
2,4-Dinitrophenol	U		0.102	0.437	1	06/13/2024 22:09	WG2304128
2-Nitrophenol	U		0.0156	0.437	1	06/13/2024 22:09	WG2304128
4-Nitrophenol	U		0.0136	0.437	1	06/13/2024 22:09	WG2304128
Pentachlorophenol	U		0.0118	0.437	1	06/13/2024 22:09	WG2304128
Phenol	U		0.0176	0.437	1	06/13/2024 22:09	WG2304128
2,4,6-Trichlorophenol	U		0.0140	0.437	1	06/13/2024 22:09	WG2304128
(S) 2-Fluorophenol	*61.8*			*12.0-120*		*06/13/2024 22:09*	WG2304128
(S) Phenol-d5	*55.2*			*10.0-120*		*06/13/2024 22:09*	WG2304128
(S) Nitrobenzene-d5	*56.0*			*10.0-122*		*06/13/2024 22:09*	WG2304128
(S) 2-Fluorobiphenyl	*64.5*			*15.0-120*		*06/13/2024 22:09*	WG2304128
(S) 2,4,6-Tribromophenol	*49.2*			*10.0-127*		*06/13/2024 22:09*	WG2304128
(S) p-Terphenyl-d14	*63.5*			*10.0-120*		*06/13/2024 22:09*	WG2304128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.6		1	06/04/2024 17:22	WG2298445

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	45.7		1.33	4.00	25	06/06/2024 05:14	WG2299409
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*06/06/2024 05:14*	WG2299409

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0583	0.0799	1	06/11/2024 23:13	WG2303036
Acrylonitrile	U		0.00577	0.0200	1	06/11/2024 23:13	WG2303036
Benzene	0.0897		0.000746	0.00160	1	06/11/2024 23:13	WG2303036
Bromobenzene	U		0.00144	0.0200	1	06/11/2024 23:13	WG2303036
Bromodichloromethane	U		0.00116	0.00400	1	06/11/2024 23:13	WG2303036
Bromoform	U		0.00187	0.0400	1	06/11/2024 23:13	WG2303036
Bromomethane	U		0.00315	0.0200	1	06/11/2024 23:13	WG2303036
n-Butylbenzene	0.145		0.00839	0.0200	1	06/11/2024 23:13	WG2303036
sec-Butylbenzene	0.0564		0.00460	0.0200	1	06/11/2024 23:13	WG2303036
tert-Butylbenzene	U		0.00312	0.00799	1	06/11/2024 23:13	WG2303036
Carbon tetrachloride	U		0.00144	0.00799	1	06/11/2024 23:13	WG2303036
Chlorobenzene	U		0.000336	0.00400	1	06/11/2024 23:13	WG2303036
Chlorodibromomethane	U		0.000978	0.00400	1	06/11/2024 23:13	WG2303036
Chloroethane	U		0.00272	0.00799	1	06/11/2024 23:13	WG2303036
Chloroform	U		0.00165	0.00400	1	06/11/2024 23:13	WG2303036
Chloromethane	U		0.00695	0.0200	1	06/11/2024 23:13	WG2303036
2-Chlorotoluene	U		0.00138	0.00400	1	06/11/2024 23:13	WG2303036
4-Chlorotoluene	U		0.000719	0.00799	1	06/11/2024 23:13	WG2303036
1,2-Dibromo-3-Chloropropane	U		0.00623	0.0400	1	06/11/2024 23:13	WG2303036
1,2-Dibromoethane	U		0.00104	0.00400	1	06/11/2024 23:13	WG2303036
Dibromomethane	U		0.00120	0.00799	1	06/11/2024 23:13	WG2303036
1,2-Dichlorobenzene	U		0.000679	0.00799	1	06/11/2024 23:13	WG2303036
1,3-Dichlorobenzene	U		0.000959	0.00799	1	06/11/2024 23:13	WG2303036
1,4-Dichlorobenzene	U		0.00112	0.00799	1	06/11/2024 23:13	WG2303036
Dichlorodifluoromethane	U		0.00257	0.00799	1	06/11/2024 23:13	WG2303036
1,1-Dichloroethane	U		0.000785	0.00400	1	06/11/2024 23:13	WG2303036
1,2-Dichloroethane	U		0.00104	0.00400	1	06/11/2024 23:13	WG2303036
1,1-Dichloroethene	U		0.000969	0.00400	1	06/11/2024 23:13	WG2303036
cis-1,2-Dichloroethene	U		0.00117	0.00400	1	06/11/2024 23:13	WG2303036
trans-1,2-Dichloroethene	U		0.00166	0.00799	1	06/11/2024 23:13	WG2303036
1,2-Dichloropropane	U		0.00227	0.00799	1	06/11/2024 23:13	WG2303036
1,1-Dichloropropene	U		0.00129	0.00400	1	06/11/2024 23:13	WG2303036
1,3-Dichloropropane	U		0.000801	0.00799	1	06/11/2024 23:13	WG2303036
cis-1,3-Dichloropropene	U		0.00121	0.00400	1	06/11/2024 23:13	WG2303036
trans-1,3-Dichloropropene	U		0.00182	0.00799	1	06/11/2024 23:13	WG2303036
2,2-Dichloropropane	U		0.00221	0.00400	1	06/11/2024 23:13	WG2303036
Di-isopropyl ether	U		0.000655	0.00160	1	06/11/2024 23:13	WG2303036
Ethylbenzene	0.00639		0.00118	0.00400	1	06/11/2024 23:13	WG2303036
Hexachloro-1,3-butadiene	U		0.00959	0.0400	1	06/11/2024 23:13	WG2303036
Isopropylbenzene	0.109		0.000679	0.00400	1	06/11/2024 23:13	WG2303036
p-Isopropyltoluene	0.0121		0.00408	0.00799	1	06/11/2024 23:13	WG2303036
2-Butanone (MEK)	U		0.102	0.160	1	06/11/2024 23:13	WG2303036
Methylene Chloride	U		0.0106	0.0400	1	06/11/2024 23:13	WG2303036
4-Methyl-2-pentanone (MIBK)	U		0.00364	0.0400	1	06/11/2024 23:13	WG2303036

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000559	0.00160	1	06/11/2024 23:13	WG2303036
Naphthalene	0.0766		0.00780	0.0200	1	06/11/2024 23:13	WG2303036
n-Propylbenzene	0.323		0.00152	0.00799	1	06/11/2024 23:13	WG2303036
Styrene	U		0.000366	0.0200	1	06/11/2024 23:13	WG2303036
1,1,1,2-Tetrachloroethane	U		0.00152	0.00400	1	06/11/2024 23:13	WG2303036
1,1,2,2-Tetrachloroethane	U		0.00111	0.00400	1	06/11/2024 23:13	WG2303036
1,1,2-Trichlorotrifluoroethane	U		0.00121	0.00400	1	06/11/2024 23:13	WG2303036
Tetrachloroethene	U		0.00143	0.00400	1	06/11/2024 23:13	WG2303036
Toluene	0.00918		0.00208	0.00799	1	06/11/2024 23:13	WG2303036
1,2,3-Trichlorobenzene	U		0.0117	0.0200	1	06/11/2024 23:13	WG2303036
1,2,4-Trichlorobenzene	U		0.00703	0.0200	1	06/11/2024 23:13	WG2303036
1,1,1-Trichloroethane	U		0.00148	0.00400	1	06/11/2024 23:13	WG2303036
1,1,2-Trichloroethane	U		0.000954	0.00400	1	06/11/2024 23:13	WG2303036
Trichloroethene	U		0.000933	0.00160	1	06/11/2024 23:13	WG2303036
Trichlorofluoromethane	U		0.00132	0.00400	1	06/11/2024 23:13	WG2303036
1,2,3-Trichloropropane	U		0.00259	0.0200	1	06/11/2024 23:13	WG2303036
1,2,4-Trimethylbenzene	0.00788	J	0.00253	0.00799	1	06/11/2024 23:13	WG2303036
1,2,3-Trimethylbenzene	0.00903		0.00253	0.00799	1	06/11/2024 23:13	WG2303036
1,3,5-Trimethylbenzene	0.00449	J	0.00320	0.00799	1	06/11/2024 23:13	WG2303036
Vinyl chloride	U		0.00185	0.00400	1	06/11/2024 23:13	WG2303036
Xylenes, Total	0.0301		0.00141	0.0104	1	06/11/2024 23:13	WG2303036
(S) Toluene-d8	*97.7*			*75.0-131*		*06/11/2024 23:13*	WG2303036
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/11/2024 23:13*	WG2303036
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*06/11/2024 23:13*	WG2303036

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	4.50	J	0.945	5.16	1	06/13/2024 11:58	WG2303234
C22-C32 Hydrocarbons	2.90	J	1.71	5.16	1	06/13/2024 11:58	WG2303234
C32-C40 Hydrocarbons	U		1.71	5.16	1	06/13/2024 11:58	WG2303234
(S) o-Terphenyl	*60.2*			*18.0-148*		*06/13/2024 11:58*	WG2303234

Method Blank (MB)

(MB) R4076815-1 06/03/24 16:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1741921-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-05 06/03/24 16:04 • (DUP) R4076815-3 06/03/24 16:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	75.9	76.1	1	0.244		10

Laboratory Control Sample (LCS)

(LCS) R4076815-2 06/03/24 16:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076811-1 06/03/24 15:57

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1741921-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-29 06/03/24 15:57 • (DUP) R4076811-3 06/03/24 15:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.4	80.9	1	0.676		10

Laboratory Control Sample (LCS)

(LCS) R4076811-2 06/03/24 15:57

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076803-1 06/03/24 15:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741921-44 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-44 06/03/24 15:32 • (DUP) R4076803-3 06/03/24 15:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.2	93.2	1	0.0471		10

Laboratory Control Sample (LCS)

(LCS) R4076803-2 06/03/24 15:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076799-1 06/03/24 15:22

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741921-58 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-58 06/03/24 15:22 • (DUP) R4076799-3 06/03/24 15:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.6	81.2	1	0.702		10

Laboratory Control Sample (LCS)

(LCS) R4076799-2 06/03/24 15:22

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4076819-1 06/03/24 16:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

L1742036-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742036-01 06/03/24 16:12 • (DUP) R4076819-3 06/03/24 16:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	97.8	97.7	1	0.0387		10

Laboratory Control Sample (LCS)

(LCS) R4076819-2 06/03/24 16:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.1	100	90.0-110	

QUALITY CONTROL SUMMARY

L1741921-68,69,70,72

Method Blank (MB)

(MB) R4077325-1 06/04/24 17:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

L1742320-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1742320-05 06/04/24 17:22 • (DUP) R4077325-3 06/04/24 17:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	77.8	72.7	1	6.84		10

Laboratory Control Sample (LCS)

(LCS) R4077325-2 06/04/24 17:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4078969-1 06/07/24 12:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1740925-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-17 06/07/24 12:45 • (DUP) R4078969-3 06/07/24 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.7	83.5	1	0.149		10

Laboratory Control Sample (LCS)

(LCS) R4078969-2 06/07/24 12:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

QUALITY CONTROL SUMMARY

L1741921-09,10,12,13,14,15,17

Method Blank (MB)

(MB) R4079852-1 06/10/24 12:51

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1741921-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-10 06/10/24 12:51 • (DUP) R4079852-3 06/10/24 12:51

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.3	88.0	1	0.383		10

Laboratory Control Sample (LCS)

(LCS) R4079852-2 06/10/24 12:51

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4081625-1 06/13/24 09:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741921-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-11 06/13/24 09:37 • (DUP) R4081625-3 06/13/24 09:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.9	85.9	1	7.16		10

Laboratory Control Sample (LCS)

(LCS) R4081625-2 06/13/24 09:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4081616-1 06/13/24 07:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1745793-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1745793-03 06/13/24 07:36 • (DUP) R4081616-3 06/13/24 07:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	88.2	87.5	1	0.847		10

Laboratory Control Sample (LCS)

(LCS) R4081616-2 06/13/24 07:36

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4081619-1 06/13/24 08:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1741921-53 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-53 06/13/24 08:01 • (DUP) R4081619-3 06/13/24 08:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	74.6	75.1	1	0.687		10

Laboratory Control Sample (LCS)

(LCS) R4081619-2 06/13/24 08:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	90.0-110	

Method Blank (MB)

(MB) R4076570-1 06/03/24 11:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R4076570-2 06/03/24 12:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	3.22	107	80.0-120	

L1741865-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741865-01 06/03/24 12:08 • (MS) R4076570-4 06/03/24 12:13 • (MSD) R4076570-5 06/03/24 12:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	U	3.27	3.29	109	110	1	75.0-125			0.571	20

Method Blank (MB)

(MB) R4076919-1 06/04/24 09:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4076919-2 06/04/24 09:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.516	103	80.0-120	

L1741921-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-57 06/04/24 09:32 • (MS) R4076919-4 06/04/24 09:37 • (MSD) R4076919-5 06/04/24 09:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.555	0.193	0.712	0.804	93.6	110	1	75.0-125			12.1	20

QUALITY CONTROL SUMMARY

L1741921-01,02,03,18,19,20,25,26,27,31,32,33,36,37,38,43,44,45,48

Method Blank (MB)

(MB) R4077826-1 06/05/24 18:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4077826-2 06/05/24 18:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.486	97.2	80.0-120	

L1741921-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-03 06/05/24 18:19 • (MS) R4077826-4 06/05/24 18:24 • (MSD) R4077826-5 06/05/24 18:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.660	0.0592	0.687	0.661	95.2	91.1	1	75.0-125			3.98	20

Method Blank (MB)

(MB) R4078897-1 06/07/24 17:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4078897-2 06/07/24 17:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.500	99.9	80.0-120	

L1742320-68 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742320-68 06/07/24 17:52 • (MS) R4078897-4 06/07/24 17:58 • (MSD) R4078897-5 06/07/24 18:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.605	0.0820	0.717	0.671	105	97.3	1	75.0-125			6.61	20

QUALITY CONTROL SUMMARY

L1741921-08,09,10,13,14,15

Method Blank (MB)

(MB) R4079108-1 06/08/24 17:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4079108-2 06/08/24 17:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.480	96.0	80.0-120	

L1741921-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-08 06/08/24 17:45 • (MS) R4079108-4 06/08/24 17:50 • (MSD) R4079108-5 06/08/24 17:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.533	0.0525	0.462	0.511	76.8	85.9	1	75.0-125			9.94	20

Method Blank (MB)

(MB) R4080508-1 06/11/24 17:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4080508-2 06/11/24 17:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	98.4	98.4	80.0-120	
Arsenic	100	97.1	97.1	80.0-120	
Barium	100	102	102	80.0-120	
Beryllium	100	101	101	80.0-120	
Cadmium	100	95.0	95.0	80.0-120	
Chromium	100	105	105	80.0-120	
Cobalt	100	96.2	96.2	80.0-120	
Copper	100	92.1	92.1	80.0-120	
Lead	100	97.0	97.0	80.0-120	
Molybdenum	100	101	101	80.0-120	
Nickel	100	96.9	96.9	80.0-120	
Selenium	100	96.1	96.1	80.0-120	
Silver	20.0	18.9	94.3	80.0-120	
Thallium	100	103	103	80.0-120	
Vanadium	100	104	104	80.0-120	
Zinc	100	93.8	93.8	80.0-120	

L1742436-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742436-01 06/11/24 17:17 • (MS) R4080508-5 06/11/24 17:27 • (MSD) R4080508-6 06/11/24 17:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	116	U	95.8	98.5	82.6	84.9	1	75.0-125			2.79	20
Arsenic	116	3.54	104	102	86.3	84.8	1	75.0-125			1.69	20
Barium	116	8.91	114	113	90.3	89.8	1	75.0-125			0.549	20
Beryllium	116	0.118	107	106	92.2	91.7	1	75.0-125			0.524	20
Cadmium	116	U	99.7	99.7	86.0	86.0	1	75.0-125			0.0490	20
Chromium	116	5.54	118	116	96.8	95.1	1	75.0-125			1.69	20
Cobalt	116	0.449	103	103	88.4	88.3	1	75.0-125			0.0665	20
Copper	116	2.33	103	101	87.0	84.9	1	75.0-125			2.46	20
Lead	116	12.0	115	112	88.8	86.2	1	75.0-125			2.66	20
Molybdenum	116	U	104	104	89.9	89.6	1	75.0-125			0.231	20
Nickel	116	1.58	105	105	88.9	89.3	1	75.0-125			0.377	20
Selenium	116	U	97.3	94.5	83.9	81.5	1	75.0-125			2.91	20
Silver	23.2	U	20.4	20.2	88.0	86.9	1	75.0-125			1.21	20
Thallium	116	U	109	108	93.7	92.8	1	75.0-125			0.982	20
Vanadium	116	5.90	116	115	94.9	93.9	1	75.0-125			1.01	20
Zinc	116	5.42	104	103	84.9	84.4	1	75.0-125			0.555	20

Method Blank (MB)

(MB) R4079306-1 06/09/24 19:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	0.174	J	0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Method Blank (MB)

(MB) R4079552-1 06/10/24 09:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Silver	U		0.127	1.00

Laboratory Control Sample (LCS)

(LCS) R4079306-2 06/09/24 19:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	90.8	90.8	80.0-120	
Arsenic	100	92.4	92.4	80.0-120	
Barium	100	97.7	97.7	80.0-120	
Beryllium	100	95.3	95.3	80.0-120	
Cadmium	100	91.8	91.8	80.0-120	
Chromium	100	101	101	80.0-120	
Cobalt	100	91.5	91.5	80.0-120	
Copper	100	97.9	97.9	80.0-120	
Lead	100	94.1	94.1	80.0-120	
Molybdenum	100	97.4	97.4	80.0-120	
Nickel	100	91.3	91.3	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079306-2 06/09/24 19:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Selenium	100	90.4	90.4	80.0-120	
Thallium	100	95.9	95.9	80.0-120	
Vanadium	100	92.9	92.9	80.0-120	
Zinc	100	94.3	94.3	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079552-2 06/10/24 09:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver	20.0	20.8	104	80.0-120	

L1741921-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-62 06/09/24 19:25 • (MS) R4079306-5 06/09/24 19:30 • (MSD) R4079306-6 06/09/24 19:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	118	8.61	65.9	61.2	48.7	44.7	1	75.0-125	J6	J6	7.35	20
Arsenic	118	415	376	600	0.000	157	1	75.0-125	J6	J3 J5	46.0	20
Barium	118	2040	1590	2660	0.000	526	1	75.0-125	V	J3 V	50.2	20
Beryllium	118	0.363	114	109	96.3	92.4	1	75.0-125			4.12	20
Cadmium	118	6.35	117	115	93.9	92.6	1	75.0-125			1.25	20
Chromium	118	53.6	184	182	111	109	1	75.0-125			0.987	20
Cobalt	118	13.7	128	122	96.8	91.7	1	75.0-125			4.80	20
Copper	118	164	260	356	82.0	164	1	75.0-125		J3 J5	31.1	20
Lead	118	187	265	381	66.8	165	1	75.0-125	J6	J3 J5	35.7	20
Molybdenum	118	1.75	108	106	90.0	88.3	1	75.0-125			1.82	20
Nickel	118	57.8	186	173	109	98.3	1	75.0-125			7.23	20
Selenium	118	4.40	117	115	96.1	93.7	1	75.0-125			2.43	20
Thallium	118	U	107	102	90.9	86.3	1	75.0-125			5.20	20
Vanadium	118	47.9	170	161	103	95.8	1	75.0-125			5.44	20
Zinc	118	249	322	522	61.4	232	1	75.0-125	J6	J3 J5	47.6	20

L1741921-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-62 06/10/24 09:33 • (MS) R4079552-5 06/10/24 09:38 • (MSD) R4079552-6 06/10/24 09:40

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Silver	23.5	0.665	23.4	22.2	96.6	91.4	1	75.0-125			5.42	20

Method Blank (MB)

(MB) R4079245-1 06/09/24 08:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	0.234	J	0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4079245-2 06/09/24 08:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	96.7	96.7	80.0-120	
Arsenic	100	99.8	99.8	80.0-120	
Barium	100	103	103	80.0-120	
Beryllium	100	102	102	80.0-120	
Cadmium	100	98.2	98.2	80.0-120	
Chromium	100	107	107	80.0-120	
Cobalt	100	97.2	97.2	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	99.4	99.4	80.0-120	
Molybdenum	100	104	104	80.0-120	
Nickel	100	96.6	96.6	80.0-120	
Selenium	100	96.1	96.1	80.0-120	
Silver	20.0	20.1	101	80.0-120	
Thallium	100	102	102	80.0-120	
Vanadium	100	100	100	80.0-120	
Zinc	100	100	100	80.0-120	

L1741921-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-20 06/09/24 08:24 • (MS) R4079245-5 06/09/24 08:29 • (MSD) R4079245-6 06/09/24 08:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	135	7.93	67.2	61.4	43.8	39.4	1	75.0-125	J6	J6	9.08	20
Arsenic	135	U	146	139	108	102	1	75.0-125			5.03	20
Barium	135	376	561	558	136	134	1	75.0-125	J5	J5	0.623	20
Beryllium	135	0.856	154	147	113	108	1	75.0-125			4.76	20
Cadmium	135	0.174	143	139	105	102	1	75.0-125			2.94	20
Chromium	135	89.0	246	243	116	114	1	75.0-125			1.36	20
Cobalt	135	15.3	162	160	108	106	1	75.0-125			1.38	20
Copper	135	44.2	209	191	122	109	1	75.0-125			8.94	20
Lead	135	48.7	234	183	137	98.9	1	75.0-125	J5	J3	24.7	20
Molybdenum	135	1.55	143	137	104	99.8	1	75.0-125			4.13	20
Nickel	135	77.6	230	227	113	110	1	75.0-125			1.44	20
Selenium	135	U	151	145	111	107	1	75.0-125			3.62	20
Silver	27.1	0.273	30.5	29.3	111	107	1	75.0-125			3.93	20
Thallium	135	U	146	143	108	105	1	75.0-125			2.19	20
Vanadium	135	82.2	242	238	118	115	1	75.0-125			1.45	20
Zinc	135	113	307	246	143	97.6	1	75.0-125	J5	J3	22.1	20

Method Blank (MB)

(MB) R4079258-1 06/09/24 17:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4079258-2 06/09/24 17:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	92.4	92.4	80.0-120	
Arsenic	100	95.0	95.0	80.0-120	
Barium	100	98.1	98.1	80.0-120	
Beryllium	100	95.5	95.5	80.0-120	
Cadmium	100	93.4	93.4	80.0-120	
Chromium	100	102	102	80.0-120	
Cobalt	100	92.3	92.3	80.0-120	
Copper	100	99.0	99.0	80.0-120	
Lead	100	95.0	95.0	80.0-120	
Molybdenum	100	98.2	98.2	80.0-120	
Nickel	100	92.4	92.4	80.0-120	
Selenium	100	92.7	92.7	80.0-120	
Silver	20.0	19.0	95.2	80.0-120	
Thallium	100	98.0	98.0	80.0-120	
Vanadium	100	93.5	93.5	80.0-120	
Zinc	100	96.7	96.7	80.0-120	

L1743814-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743814-02 06/09/24 17:33 • (MS) R4079258-5 06/09/24 17:38 • (MSD) R4079258-6 06/09/24 17:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	100	2.45	77.5	76.8	75.1	74.4	1	75.0-125		J6	0.932	20
Arsenic	100	3.98	88.1	91.1	84.2	87.2	1	75.0-125			3.35	20
Barium	100	94.2	182	170	88.0	76.1	1	75.0-125			6.74	20
Beryllium	100	0.614	83.0	84.0	82.4	83.4	1	75.0-125			1.16	20
Cadmium	100	U	82.2	83.2	82.2	83.2	1	75.0-125			1.27	20
Chromium	100	10.3	92.1	94.4	81.7	84.1	1	75.0-125			2.50	20
Cobalt	100	5.19	91.5	93.6	86.3	88.4	1	75.0-125			2.24	20
Copper	100	8.96	95.1	94.3	86.2	85.3	1	75.0-125			0.920	20
Lead	100	80.2	167	172	86.5	92.3	1	75.0-125			3.41	20
Molybdenum	100	0.569	83.4	83.3	82.8	82.7	1	75.0-125			0.145	20
Nickel	100	9.57	94.7	97.5	85.1	87.9	1	75.0-125			2.96	20
Selenium	100	U	97.8	98.7	97.8	98.7	1	75.0-125			0.858	20
Silver	20.0	1.36	18.8	19.1	87.2	88.8	1	75.0-125			1.69	20
Thallium	100	U	86.5	88.3	86.5	88.3	1	75.0-125			2.08	20
Vanadium	100	12.8	89.9	93.0	77.0	80.2	1	75.0-125			3.41	20
Zinc	100	34.6	122	117	87.7	82.0	1	75.0-125			4.75	20

Method Blank (MB)

(MB) R4088878-1 07/01/24 19:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Cobalt	U		0.0811	1.00
Lead	U		0.208	0.500
Nickel	U		0.132	2.00

Laboratory Control Sample (LCS)

(LCS) R4088878-2 07/01/24 19:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.4	90.4	80.0-120	
Cobalt	100	90.1	90.1	80.0-120	
Lead	100	92.2	92.2	80.0-120	
Nickel	100	92.4	92.4	80.0-120	

L1741921-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-16 07/01/24 19:55 • (MS) R4088878-5 07/01/24 20:00 • (MSD) R4088878-6 07/01/24 20:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	123	6.29	110	121	84.3	92.6	1	75.0-125			8.88	20
Cobalt	123	7.73	114	126	86.5	95.9	1	75.0-125			9.70	20
Lead	123	31.9	127	133	76.6	82.2	1	75.0-125			5.30	20
Nickel	123	37.4	145	157	86.8	97.1	1	75.0-125			8.44	20

Method Blank (MB)

(MB) R4083413-1 06/18/24 16:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Antimony	1.13		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	2.00
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Lead	U		0.849	2.00
Molybdenum	U		0.348	5.00
Nickel	U		0.816	2.00
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R4083413-2 06/18/24 16:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	50.0	53.6	107	80.0-120	
Arsenic	50.0	51.4	103	80.0-120	
Barium	50.0	49.5	98.9	80.0-120	
Beryllium	50.0	49.5	98.9	80.0-120	
Cadmium	50.0	53.9	108	80.0-120	
Chromium	50.0	54.5	109	80.0-120	
Copper	50.0	49.4	98.8	80.0-120	
Cobalt	50.0	53.8	108	80.0-120	
Lead	50.0	54.2	108	80.0-120	
Molybdenum	50.0	50.7	101	80.0-120	
Nickel	50.0	54.4	109	80.0-120	
Selenium	50.0	52.7	105	80.0-120	
Silver	50.0	50.9	102	80.0-120	
Thallium	50.0	51.6	103	80.0-120	
Vanadium	50.0	53.3	107	80.0-120	
Zinc	50.0	50.8	102	80.0-120	

L1744523-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744523-05 06/18/24 17:02 • (MS) R4083413-4 06/18/24 17:09 • (MSD) R4083413-5 06/18/24 17:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	50.0	U	55.4	53.0	111	106	1	75.0-125			4.31	20
Arsenic	50.0	15.1	65.6	67.9	101	106	1	75.0-125			3.44	20
Barium	50.0	73.2	126	121	105	96.4	1	75.0-125			3.52	20
Beryllium	50.0	U	50.0	52.1	100	104	1	75.0-125			4.24	20
Cadmium	50.0	U	54.9	54.2	110	108	1	75.0-125			1.29	20
Chromium	50.0	U	54.1	55.8	108	112	1	75.0-125			3.12	20
Copper	50.0	1.88	51.8	51.8	99.9	99.8	1	75.0-125			0.0529	20
Cobalt	50.0	0.143	53.1	55.3	106	110	1	75.0-125			4.00	20
Lead	50.0	U	54.1	52.0	108	104	1	75.0-125			3.91	20
Molybdenum	50.0	U	53.3	51.3	107	103	1	75.0-125			3.75	20
Nickel	50.0	1.36	54.7	55.9	107	109	1	75.0-125			2.30	20
Selenium	50.0	0.411	53.3	52.6	106	104	1	75.0-125			1.41	20
Silver	50.0	U	52.1	50.5	104	101	1	75.0-125			3.17	20
Thallium	50.0	U	53.5	51.3	107	103	1	75.0-125			4.13	20
Vanadium	50.0	2.66	55.1	56.5	105	108	1	75.0-125			2.44	20
Zinc	50.0	U	51.8	52.8	104	106	1	75.0-125			1.81	20

Method Blank (MB)

(MB) R4078855-2 06/05/24 22:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078855-1 06/05/24 20:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.02	100	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*95.9*	*77.0-120*	

Method Blank (MB)

(MB) R4080386-3 06/10/24 14:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.66	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080386-1 06/10/24 12:58 • (LCSD) R4080386-2 06/10/24 13:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.82	4.84	96.4	96.8	72.0-125			0.414	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*104*	*77.0-120*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4080158-3 06/11/24 11:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.902	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080158-1 06/11/24 10:09 • (LCSD) R4080158-2 06/11/24 10:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.91	4.66	98.2	93.2	72.0-125			5.22	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*101*	*77.0-120*				

Method Blank (MB)

(MB) R4081161-2 06/12/24 21:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.39	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081161-1 06/12/24 20:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.68	93.6	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

L1744706-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744706-08 06/13/24 01:32 • (MS) R4081161-3 06/13/24 05:03 • (MSD) R4081161-4 06/13/24 05:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	119	1.21	119	118	99.0	98.0	25	10.0-141			0.985	29
(S) a,a,a-Trifluorotoluene(FID)					*100*	*100*		*77.0-120*				

Method Blank (MB)

(MB) R4081237-2 06/13/24 02:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	0.982	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081237-1 06/13/24 01:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	5.42	108	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

L1741921-46 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-46 06/13/24 03:17 • (MS) R4081237-3 06/13/24 10:57 • (MSD) R4081237-4 06/13/24 11:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	276	5.13	321	277	115	98.8	30.3	10.0-141			14.5	29
(S) a,a,a-Trifluorotoluene(FID)					*111*	*109*		*77.0-120*				

Method Blank (MB)

(MB) R4081302-3 06/13/24 09:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.86	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081302-1 06/13/24 08:22 • (LCSD) R4081302-2 06/13/24 08:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.13	4.65	82.6	93.0	72.0-125			11.8	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*99.0*	*77.0-120*				

Method Blank (MB)

(MB) R4081951-2 06/13/24 13:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.83	J	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081951-1 06/13/24 11:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.92	98.4	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*97.9*	*77.0-120*	

Method Blank (MB)

(MB) R4080728-2 06/12/24 03:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHG C5 - C12	69.0	J	30.4	100
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4080728-1 06/12/24 01:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5000	5740	115	71.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*78.0-120*	

Method Blank (MB)

(MB) R4078862-2 06/06/24 10:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00

Method Blank (MB)

(MB) R4078862-2 06/06/24 10:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4078862-1 06/06/24 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.9	116	19.0-160	J
Acrolein	25.0	26.8	107	10.0-160	J
Acrylonitrile	25.0	31.7	127	55.0-149	
Benzene	5.00	4.71	94.2	70.0-123	

Laboratory Control Sample (LCS)

(LCS) R4078862-1 06/06/24 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromobenzene	5.00	5.06	101	73.0-121	
Bromodichloromethane	5.00	4.13	82.6	75.0-120	
Bromoform	5.00	3.47	69.4	68.0-132	
Bromomethane	5.00	2.47	49.4	10.0-160	J
n-Butylbenzene	5.00	4.63	92.6	73.0-125	
sec-Butylbenzene	5.00	5.00	100	75.0-125	
tert-Butylbenzene	5.00	5.05	101	76.0-124	
Carbon tetrachloride	5.00	4.32	86.4	68.0-126	
Chlorobenzene	5.00	4.26	85.2	80.0-121	
Chlorodibromomethane	5.00	3.84	76.8	77.0-125	J4
Chloroethane	5.00	3.97	79.4	47.0-150	J
Chloroform	5.00	4.71	94.2	73.0-120	J
Chloromethane	5.00	5.35	107	41.0-142	
2-Chlorotoluene	5.00	5.06	101	76.0-123	
4-Chlorotoluene	5.00	4.72	94.4	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.32	66.4	58.0-134	J
1,2-Dibromoethane	5.00	4.23	84.6	80.0-122	
Dibromomethane	5.00	4.26	85.2	80.0-120	
1,2-Dichlorobenzene	5.00	5.07	101	79.0-121	
1,3-Dichlorobenzene	5.00	4.93	98.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.85	97.0	79.0-120	
Dichlorodifluoromethane	5.00	3.84	76.8	51.0-149	J
1,1-Dichloroethane	5.00	5.07	101	70.0-126	
1,2-Dichloroethane	5.00	4.89	97.8	70.0-128	
1,1-Dichloroethene	5.00	4.40	88.0	71.0-124	
cis-1,2-Dichloroethene	5.00	4.60	92.0	73.0-120	
trans-1,2-Dichloroethene	5.00	4.54	90.8	73.0-120	
1,2-Dichloropropane	5.00	5.21	104	77.0-125	
1,1-Dichloropropene	5.00	4.91	98.2	74.0-126	
1,3-Dichloropropane	5.00	4.41	88.2	80.0-120	
cis-1,3-Dichloropropene	5.00	4.28	85.6	80.0-123	
trans-1,3-Dichloropropene	5.00	3.92	78.4	78.0-124	
2,2-Dichloropropane	5.00	4.02	80.4	58.0-130	
Di-isopropyl ether	5.00	5.73	115	58.0-138	
Ethylbenzene	5.00	4.82	96.4	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.58	91.6	54.0-138	
Isopropylbenzene	5.00	4.50	90.0	76.0-127	
p-Isopropyltoluene	5.00	4.71	94.2	76.0-125	
2-Butanone (MEK)	25.0	31.1	124	44.0-160	
Methylene Chloride	5.00	4.53	90.6	67.0-120	J

Laboratory Control Sample (LCS)

(LCS) R4078862-1 06/06/24 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	25.0	25.9	104	68.0-142	
Methyl tert-butyl ether	5.00	4.45	89.0	68.0-125	
Naphthalene	5.00	3.29	65.8	54.0-135	J
n-Propylbenzene	5.00	4.94	98.8	77.0-124	
Styrene	5.00	4.36	87.2	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	3.90	78.0	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.06	101	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.69	93.8	69.0-132	
Tetrachloroethene	5.00	4.41	88.2	72.0-132	
Toluene	5.00	4.35	87.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.61	72.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.78	75.6	57.0-137	
1,1,1-Trichloroethane	5.00	4.14	82.8	73.0-124	
1,1,2-Trichloroethane	5.00	4.49	89.8	80.0-120	
Trichloroethene	5.00	4.46	89.2	78.0-124	
Trichlorofluoromethane	5.00	4.52	90.4	59.0-147	J
1,2,3-Trichloropropane	5.00	5.20	104	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.04	101	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.91	98.2	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.13	103	76.0-122	
Vinyl chloride	5.00	4.83	96.6	67.0-131	
Xylenes, Total	15.0	13.3	88.7	79.0-123	
(S) Toluene-d8			*99.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*95.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*110*	*70.0-130*	

Method Blank (MB)

(MB) R4080721-3 06/11/24 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4080721-3 06/11/24 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*96.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*81.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.802	0.841	128	135	10.0-160			4.75	31
Acrylonitrile	0.625	0.619	0.651	99.0	104	45.0-153			5.04	22
Benzene	0.125	0.125	0.133	100	106	70.0-123			6.20	20
Bromobenzene	0.125	0.122	0.128	97.6	102	73.0-121			4.80	20
Bromodichloromethane	0.125	0.115	0.130	92.0	104	73.0-121			12.2	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.111	0.120	88.8	96.0	64.0-132			7.79	20
Bromomethane	0.125	0.0933	0.0926	74.6	74.1	56.0-147			0.753	20
n-Butylbenzene	0.125	0.0952	0.110	76.2	88.0	68.0-135			14.4	20
sec-Butylbenzene	0.125	0.129	0.135	103	108	74.0-130			4.55	20
tert-Butylbenzene	0.125	0.0944	0.0990	75.5	79.2	75.0-127			4.76	20
Carbon tetrachloride	0.125	0.126	0.135	101	108	66.0-128			6.90	20
Chlorobenzene	0.125	0.126	0.133	101	106	76.0-128			5.41	20
Chlorodibromomethane	0.125	0.104	0.112	83.2	89.6	74.0-127			7.41	20
Chloroethane	0.125	0.0933	0.107	74.6	85.6	61.0-134			13.7	20
Chloroform	0.125	0.122	0.124	97.6	99.2	72.0-123			1.63	20
Chloromethane	0.125	0.0999	0.114	79.9	91.2	51.0-138			13.2	20
2-Chlorotoluene	0.125	0.124	0.111	99.2	88.8	75.0-124			11.1	20
4-Chlorotoluene	0.125	0.118	0.127	94.4	102	75.0-124			7.35	20
1,2-Dibromo-3-Chloropropane	0.125	0.104	0.107	83.2	85.6	59.0-130			2.84	20
1,2-Dibromoethane	0.125	0.108	0.129	86.4	103	74.0-128			17.7	20
Dibromomethane	0.125	0.119	0.135	95.2	108	75.0-122			12.6	20
1,2-Dichlorobenzene	0.125	0.116	0.123	92.8	98.4	76.0-124			5.86	20
1,3-Dichlorobenzene	0.125	0.119	0.128	95.2	102	76.0-125			7.29	20
1,4-Dichlorobenzene	0.125	0.110	0.125	88.0	100	77.0-121			12.8	20
Dichlorodifluoromethane	0.125	0.145	0.143	116	114	43.0-156			1.39	20
1,1-Dichloroethane	0.125	0.130	0.136	104	109	70.0-127			4.51	20
1,2-Dichloroethane	0.125	0.103	0.116	82.4	92.8	65.0-131			11.9	20
1,1-Dichloroethene	0.125	0.133	0.137	106	110	65.0-131			2.96	20
cis-1,2-Dichloroethene	0.125	0.125	0.131	100	105	73.0-125			4.69	20
trans-1,2-Dichloroethene	0.125	0.134	0.144	107	115	71.0-125			7.19	20
1,2-Dichloropropane	0.125	0.119	0.127	95.2	102	74.0-125			6.50	20
1,1-Dichloropropene	0.125	0.124	0.136	99.2	109	73.0-125			9.23	20
1,3-Dichloropropane	0.125	0.123	0.136	98.4	109	80.0-125			10.0	20
cis-1,3-Dichloropropene	0.125	0.122	0.135	97.6	108	76.0-127			10.1	20
trans-1,3-Dichloropropene	0.125	0.101	0.110	80.8	88.0	73.0-127			8.53	20
2,2-Dichloropropane	0.125	0.130	0.140	104	112	59.0-135			7.41	20
Di-isopropyl ether	0.125	0.121	0.127	96.8	102	60.0-136			4.84	20
Ethylbenzene	0.125	0.120	0.126	96.0	101	74.0-126			4.88	20
Hexachloro-1,3-butadiene	0.125	0.0975	0.108	78.0	86.4	57.0-150			10.2	20
Isopropylbenzene	0.125	0.114	0.122	91.2	97.6	72.0-127			6.78	20
p-Isopropyltoluene	0.125	0.0951	0.102	76.1	81.6	72.0-133			7.00	20
2-Butanone (MEK)	0.625	0.676	0.755	108	121	30.0-160			11.0	24
Methylene Chloride	0.125	0.128	0.134	102	107	68.0-123			4.58	20
4-Methyl-2-pentanone (MIBK)	0.625	0.571	0.602	91.4	96.3	56.0-143			5.29	20
Methyl tert-butyl ether	0.125	0.121	0.127	96.8	102	66.0-132			4.84	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080721-1 06/11/24 08:56 • (LCSD) R4080721-2 06/11/24 09:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.104	0.103	83.2	82.4	59.0-130			0.966	20
n-Propylbenzene	0.125	0.120	0.123	96.0	98.4	74.0-126			2.47	20
Styrene	0.125	0.118	0.128	94.4	102	72.0-127			8.13	20
1,1,1,2-Tetrachloroethane	0.125	0.113	0.115	90.4	92.0	74.0-129			1.75	20
1,1,2,2-Tetrachloroethane	0.125	0.122	0.124	97.6	99.2	68.0-128			1.63	20
1,1,2-Trichlorotrifluoroethane	0.125	0.137	0.144	110	115	61.0-139			4.98	20
Tetrachloroethene	0.125	0.114	0.123	91.2	98.4	70.0-136			7.59	20
Toluene	0.125	0.113	0.120	90.4	96.0	75.0-121			6.01	20
1,2,3-Trichlorobenzene	0.125	0.0987	0.109	79.0	87.2	59.0-139			9.92	20
1,2,4-Trichlorobenzene	0.125	0.103	0.110	82.4	88.0	62.0-137			6.57	20
1,1,1-Trichloroethane	0.125	0.127	0.131	102	105	69.0-126			3.10	20
1,1,2-Trichloroethane	0.125	0.114	0.122	91.2	97.6	78.0-123			6.78	20
Trichloroethene	0.125	0.119	0.129	95.2	103	76.0-126			8.06	20
Trichlorofluoromethane	0.125	0.117	0.127	93.6	102	61.0-142			8.20	20
1,2,3-Trichloropropane	0.125	0.117	0.111	93.6	88.8	67.0-129			5.26	20
1,2,4-Trimethylbenzene	0.125	0.101	0.104	80.8	83.2	70.0-126			2.93	20
1,2,3-Trimethylbenzene	0.125	0.112	0.111	89.6	88.8	74.0-124			0.897	20
1,3,5-Trimethylbenzene	0.125	0.108	0.111	86.4	88.8	73.0-127			2.74	20
Vinyl chloride	0.125	0.107	0.0908	85.6	72.6	63.0-134			16.4	20
Xylenes, Total	0.375	0.350	0.370	93.3	98.7	72.0-127			5.56	20
(S) Toluene-d8				*94.2*	*93.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*90.6*	*89.9*	*70.0-130*				

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	50.0	U	60.1	60.9	120	122	80	10.0-160			1.32	40
Acrylonitrile	50.0	U	53.1	49.1	106	98.2	80	10.0-160			7.83	40
Benzene	10.0	0.126	11.4	10.5	113	104	80	10.0-149			8.22	37
Bromobenzene	10.0	U	14.6	10.5	146	105	80	10.0-156			32.7	38
Bromodichloromethane	10.0	U	10.9	10.6	109	106	80	10.0-143			2.79	37
Bromoform	10.0	U	9.54	9.02	95.4	90.2	80	10.0-146			5.60	36
Bromomethane	10.0	U	6.83	5.70	68.3	57.0	80	10.0-149			18.0	38
n-Butylbenzene	10.0	3.99	95.2	86.6	912	826	80	10.0-160	J5	J5	9.46	40
sec-Butylbenzene	10.0	4.07	26.1	20.3	220	162	80	10.0-159	J5	J5	25.0	39
tert-Butylbenzene	10.0	U	16.0	13.0	160	130	80	10.0-156	J5		20.7	39

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	10.0	U	11.3	10.5	113	105	80	10.0-145			7.34	37
Chlorobenzene	10.0	U	11.4	11.1	114	111	80	10.0-152			2.67	39
Chlorodibromomethane	10.0	U	8.59	8.93	85.9	89.3	80	10.0-146			3.88	37
Chloroethane	10.0	U	7.73	6.09	77.3	60.9	80	10.0-146			23.7	40
Chloroform	10.0	U	10.7	10.1	107	101	80	10.0-146			5.77	37
Chloromethane	10.0	U	9.72	8.69	97.2	86.9	80	10.0-159			11.2	37
2-Chlorotoluene	10.0	U	13.6	9.77	136	97.7	80	10.0-159			32.8	38
4-Chlorotoluene	10.0	U	14.5	10.8	145	108	80	10.0-155			29.2	39
1,2-Dibromo-3-Chloropropane	10.0	U	9.29	9.36	92.9	93.6	80	10.0-151			0.751	39
1,2-Dibromoethane	10.0	U	9.56	10.2	95.6	102	80	10.0-148			6.48	34
Dibromomethane	10.0	U	11.1	11.4	111	114	80	10.0-147			2.67	35
1,2-Dichlorobenzene	10.0	U	13.2	10.7	132	107	80	10.0-155			20.9	37
1,3-Dichlorobenzene	10.0	U	12.1	10.7	121	107	80	10.0-153			12.3	38
1,4-Dichlorobenzene	10.0	U	10.3	10.4	103	104	80	10.0-151			0.966	38
Dichlorodifluoromethane	10.0	U	12.1	9.70	121	97.0	80	10.0-160			22.0	35
1,1-Dichloroethane	10.0	U	11.5	10.5	115	105	80	10.0-147			9.09	37
1,2-Dichloroethane	10.0	U	9.56	8.85	95.6	88.5	80	10.0-148			7.71	35
1,1-Dichloroethene	10.0	U	11.1	7.67	111	76.7	80	10.0-155			36.5	37
cis-1,2-Dichloroethene	10.0	U	10.5	9.93	105	99.3	80	10.0-149			5.58	37
trans-1,2-Dichloroethene	10.0	U	11.0	11.1	110	111	80	10.0-150			0.905	37
1,2-Dichloropropane	10.0	U	11.6	11.3	116	113	80	10.0-148			2.62	37
1,1-Dichloropropene	10.0	U	11.7	11.4	117	114	80	10.0-153			2.60	35
1,3-Dichloropropane	10.0	U	11.0	10.5	110	105	80	10.0-154			4.65	35
cis-1,3-Dichloropropene	10.0	U	11.3	10.2	113	102	80	10.0-151			10.2	37
trans-1,3-Dichloropropene	10.0	U	8.79	8.81	87.9	88.1	80	10.0-148			0.227	37
2,2-Dichloropropane	10.0	U	9.06	8.41	90.6	84.1	80	10.0-138			7.44	36
Di-isopropyl ether	10.0	U	10.4	10.0	104	100	80	10.0-147			3.92	36
Ethylbenzene	10.0	51.0	57.8	62.7	68.0	117	80	10.0-160			8.13	38
Hexachloro-1,3-butadiene	10.0	U	15.2	13.9	152	139	80	10.0-160			8.93	40
Isopropylbenzene	10.0	6.36	17.8	18.5	114	121	80	10.0-155			3.86	38
p-Isopropyltoluene	10.0	3.13	26.4	22.3	233	192	80	10.0-160	J5	J5	16.8	40
2-Butanone (MEK)	50.0	U	41.1	61.2	82.2	122	80	10.0-160			39.3	40
Methylene Chloride	10.0	U	10.6	9.98	106	99.8	80	10.0-141			6.03	37
4-Methyl-2-pentanone (MIBK)	50.0	U	67.6	71.1	135	142	80	10.0-160			5.05	35
Methyl tert-butyl ether	10.0	U	11.1	10.1	111	101	80	11.0-147			9.43	35
Naphthalene	10.0	16.5	35.5	31.1	190	146	80	10.0-160	J5		13.2	36
n-Propylbenzene	10.0	19.6	46.7	36.8	271	172	80	10.0-158	J5	J5	23.7	38
Styrene	10.0	U	13.0	5.31	130	53.1	80	10.0-160		J3	84.0	40
1,1,1,2-Tetrachloroethane	10.0	U	9.98	10.3	99.8	103	80	10.0-149			3.16	39
1,1,2,2-Tetrachloroethane	10.0	U	21.2	20.3	212	203	80	10.0-160	J5	J5	4.34	35

L1743427-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743427-04 06/11/24 18:19 • (MS) R4080721-4 06/11/24 19:26 • (MSD) R4080721-5 06/11/24 19:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichlorotrifluoroethane	10.0	U	12.1	9.84	121	98.4	80	10.0-160			20.6	36
Tetrachloroethene	10.0	U	10.2	10.2	102	102	80	10.0-156			0.000	39
Toluene	10.0	29.9	38.7	40.6	88.0	107	80	10.0-156			4.79	38
1,2,3-Trichlorobenzene	10.0	U	12.1	11.1	121	111	80	10.0-160			8.62	40
1,2,4-Trichlorobenzene	10.0	U	12.4	11.5	124	115	80	10.0-160			7.53	40
1,1,1-Trichloroethane	10.0	U	10.7	10.3	107	103	80	10.0-144			3.81	35
1,1,2-Trichloroethane	10.0	U	14.1	13.6	141	136	80	10.0-160			3.61	35
Trichloroethene	10.0	U	12.2	11.6	122	116	80	10.0-156			5.04	38
Trichlorofluoromethane	10.0	U	10.2	8.52	102	85.2	80	10.0-160			17.9	40
1,2,3-Trichloropropane	10.0	U	14.4	10.8	144	108	80	10.0-156			28.6	35
1,2,4-Trimethylbenzene	10.0	84.7	138	111	533	263	80	10.0-160	V	V	21.7	36
1,2,3-Trimethylbenzene	10.0	28.1	42.2	44.5	141	164	80	10.0-160		J5	5.31	36
1,3,5-Trimethylbenzene	10.0	30.7	44.3	29.8	136	0.000	80	10.0-160		J3 J6	39.1	38
Vinyl chloride	10.0	U	8.73	8.49	87.3	84.9	80	10.0-160			2.79	37
Xylenes, Total	30.0	278	288	309	33.3	103	80	10.0-160			7.04	38
(S) Toluene-d8					*90.8*	*97.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*122*	*126*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*86.6*	*83.9*		*70.0-130*				

Method Blank (MB)

(MB) R4080895-3 06/11/24 15:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4080895-3 06/11/24 15:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080895-1 06/11/24 14:24 • (LCSD) R4080895-2 06/11/24 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.588	0.587	94.1	93.9	10.0-160			0.170	31
Acrylonitrile	0.625	0.740	0.725	118	116	45.0-153			2.05	22
Benzene	0.125	0.123	0.123	98.4	98.4	70.0-123			0.000	20
Bromobenzene	0.125	0.115	0.117	92.0	93.6	73.0-121			1.72	20
Bromodichloromethane	0.125	0.121	0.122	96.8	97.6	73.0-121			0.823	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080895-1 06/11/24 14:24 • (LCSD) R4080895-2 06/11/24 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.114	0.114	91.2	91.2	64.0-132			0.000	20
Bromomethane	0.125	0.126	0.129	101	103	56.0-147			2.35	20
n-Butylbenzene	0.125	0.124	0.119	99.2	95.2	68.0-135			4.12	20
sec-Butylbenzene	0.125	0.115	0.114	92.0	91.2	74.0-130			0.873	20
tert-Butylbenzene	0.125	0.123	0.121	98.4	96.8	75.0-127			1.64	20
Carbon tetrachloride	0.125	0.132	0.135	106	108	66.0-128			2.25	20
Chlorobenzene	0.125	0.123	0.125	98.4	100	76.0-128			1.61	20
Chlorodibromomethane	0.125	0.119	0.124	95.2	99.2	74.0-127			4.12	20
Chloroethane	0.125	0.126	0.125	101	100	61.0-134			0.797	20
Chloroform	0.125	0.116	0.118	92.8	94.4	72.0-123			1.71	20
Chloromethane	0.125	0.138	0.140	110	112	51.0-138			1.44	20
2-Chlorotoluene	0.125	0.116	0.115	92.8	92.0	75.0-124			0.866	20
4-Chlorotoluene	0.125	0.109	0.111	87.2	88.8	75.0-124			1.82	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.110	84.8	88.0	59.0-130			3.70	20
1,2-Dibromoethane	0.125	0.124	0.127	99.2	102	74.0-128			2.39	20
Dibromomethane	0.125	0.122	0.124	97.6	99.2	75.0-122			1.63	20
1,2-Dichlorobenzene	0.125	0.125	0.128	100	102	76.0-124			2.37	20
1,3-Dichlorobenzene	0.125	0.121	0.124	96.8	99.2	76.0-125			2.45	20
1,4-Dichlorobenzene	0.125	0.123	0.123	98.4	98.4	77.0-121			0.000	20
Dichlorodifluoromethane	0.125	0.162	0.161	130	129	43.0-156			0.619	20
1,1-Dichloroethane	0.125	0.125	0.127	100	102	70.0-127			1.59	20
1,2-Dichloroethane	0.125	0.109	0.110	87.2	88.0	65.0-131			0.913	20
1,1-Dichloroethene	0.125	0.128	0.127	102	102	65.0-131			0.784	20
cis-1,2-Dichloroethene	0.125	0.118	0.122	94.4	97.6	73.0-125			3.33	20
trans-1,2-Dichloroethene	0.125	0.120	0.127	96.0	102	71.0-125			5.67	20
1,2-Dichloropropane	0.125	0.125	0.131	100	105	74.0-125			4.69	20
1,1-Dichloropropene	0.125	0.128	0.126	102	101	73.0-125			1.57	20
1,3-Dichloropropane	0.125	0.123	0.125	98.4	100	80.0-125			1.61	20
cis-1,3-Dichloropropene	0.125	0.128	0.130	102	104	76.0-127			1.55	20
trans-1,3-Dichloropropene	0.125	0.124	0.127	99.2	102	73.0-127			2.39	20
2,2-Dichloropropane	0.125	0.126	0.121	101	96.8	59.0-135			4.05	20
Di-isopropyl ether	0.125	0.118	0.120	94.4	96.0	60.0-136			1.68	20
Ethylbenzene	0.125	0.124	0.127	99.2	102	74.0-126			2.39	20
Hexachloro-1,3-butadiene	0.125	0.138	0.141	110	113	57.0-150			2.15	20
Isopropylbenzene	0.125	0.126	0.126	101	101	72.0-127			0.000	20
p-Isopropyltoluene	0.125	0.119	0.115	95.2	92.0	72.0-133			3.42	20
2-Butanone (MEK)	0.625	0.726	0.760	116	122	30.0-160			4.58	24
Methylene Chloride	0.125	0.121	0.121	96.8	96.8	68.0-123			0.000	20
4-Methyl-2-pentanone (MIBK)	0.625	0.645	0.652	103	104	56.0-143			1.08	20
Methyl tert-butyl ether	0.125	0.120	0.123	96.0	98.4	66.0-132			2.47	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080895-1 06/11/24 14:24 • (LCSD) R4080895-2 06/11/24 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.106	0.109	84.8	87.2	59.0-130			2.79	20
n-Propylbenzene	0.125	0.105	0.107	84.0	85.6	74.0-126			1.89	20
Styrene	0.125	0.119	0.123	95.2	98.4	72.0-127			3.31	20
1,1,1,2-Tetrachloroethane	0.125	0.119	0.119	95.2	95.2	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.105	0.107	84.0	85.6	68.0-128			1.89	20
1,1,2-Trichlorotrifluoroethane	0.125	0.137	0.138	110	110	61.0-139			0.727	20
Tetrachloroethene	0.125	0.136	0.138	109	110	70.0-136			1.46	20
Toluene	0.125	0.116	0.117	92.8	93.6	75.0-121			0.858	20
1,2,3-Trichlorobenzene	0.125	0.129	0.134	103	107	59.0-139			3.80	20
1,2,4-Trichlorobenzene	0.125	0.140	0.140	112	112	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.136	0.132	109	106	69.0-126			2.99	20
1,1,2-Trichloroethane	0.125	0.124	0.124	99.2	99.2	78.0-123			0.000	20
Trichloroethene	0.125	0.141	0.144	113	115	76.0-126			2.11	20
Trichlorofluoromethane	0.125	0.139	0.142	111	114	61.0-142			2.14	20
1,2,3-Trichloropropane	0.125	0.110	0.113	88.0	90.4	67.0-129			2.69	20
1,2,4-Trimethylbenzene	0.125	0.113	0.113	90.4	90.4	70.0-126			0.000	20
1,2,3-Trimethylbenzene	0.125	0.114	0.111	91.2	88.8	74.0-124			2.67	20
1,3,5-Trimethylbenzene	0.125	0.117	0.115	93.6	92.0	73.0-127			1.72	20
Vinyl chloride	0.125	0.127	0.128	102	102	63.0-134			0.784	20
Xylenes, Total	0.375	0.379	0.382	101	102	72.0-127			0.788	20
(S) Toluene-d8				*98.2*	*97.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*106*	*106*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*97.2*	*96.1*	*70.0-130*				

Method Blank (MB)

(MB) R4080918-3 06/11/24 17:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4080918-3 06/11/24 17:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*103*			*75.0-131*
(S) 4-Bromofluorobenzene	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080918-1 06/11/24 15:47 • (LCSD) R4080918-2 06/11/24 16:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	1.17	0.771	187	123	10.0-160	J4	J3	41.1	31
Acrylonitrile	0.625	0.874	0.791	140	127	45.0-153			9.97	22
Benzene	0.125	0.123	0.107	98.4	85.6	70.0-123			13.9	20
Bromobenzene	0.125	0.140	0.124	112	99.2	73.0-121			12.1	20
Bromodichloromethane	0.125	0.133	0.119	106	95.2	73.0-121			11.1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080918-1 06/11/24 15:47 • (LCSD) R4080918-2 06/11/24 16:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.143	0.123	114	98.4	64.0-132			15.0	20
Bromomethane	0.125	0.122	0.119	97.6	95.2	56.0-147			2.49	20
n-Butylbenzene	0.125	0.125	0.109	100	87.2	68.0-135			13.7	20
sec-Butylbenzene	0.125	0.152	0.136	122	109	74.0-130			11.1	20
tert-Butylbenzene	0.125	0.157	0.136	126	109	75.0-127			14.3	20
Carbon tetrachloride	0.125	0.143	0.128	114	102	66.0-128			11.1	20
Chlorobenzene	0.125	0.129	0.109	103	87.2	76.0-128			16.8	20
Chlorodibromomethane	0.125	0.133	0.116	106	92.8	74.0-127			13.7	20
Chloroethane	0.125	0.126	0.118	101	94.4	61.0-134			6.56	20
Chloroform	0.125	0.122	0.112	97.6	89.6	72.0-123			8.55	20
Chloromethane	0.125	0.0962	0.0870	77.0	69.6	51.0-138			10.0	20
2-Chlorotoluene	0.125	0.148	0.133	118	106	75.0-124			10.7	20
4-Chlorotoluene	0.125	0.131	0.135	105	108	75.0-124			3.01	20
1,2-Dibromo-3-Chloropropane	0.125	0.154	0.137	123	110	59.0-130			11.7	20
1,2-Dibromoethane	0.125	0.141	0.121	113	96.8	74.0-128			15.3	20
Dibromomethane	0.125	0.123	0.106	98.4	84.8	75.0-122			14.8	20
1,2-Dichlorobenzene	0.125	0.128	0.116	102	92.8	76.0-124			9.84	20
1,3-Dichlorobenzene	0.125	0.135	0.119	108	95.2	76.0-125			12.6	20
1,4-Dichlorobenzene	0.125	0.139	0.124	111	99.2	77.0-121			11.4	20
Dichlorodifluoromethane	0.125	0.183	0.150	146	120	43.0-156			19.8	20
1,1-Dichloroethane	0.125	0.128	0.112	102	89.6	70.0-127			13.3	20
1,2-Dichloroethane	0.125	0.115	0.0960	92.0	76.8	65.0-131			18.0	20
1,1-Dichloroethene	0.125	0.126	0.115	101	92.0	65.0-131			9.13	20
cis-1,2-Dichloroethene	0.125	0.123	0.114	98.4	91.2	73.0-125			7.59	20
trans-1,2-Dichloroethene	0.125	0.137	0.115	110	92.0	71.0-125			17.5	20
1,2-Dichloropropane	0.125	0.113	0.100	90.4	80.0	74.0-125			12.2	20
1,1-Dichloropropene	0.125	0.139	0.123	111	98.4	73.0-125			12.2	20
1,3-Dichloropropane	0.125	0.140	0.120	112	96.0	80.0-125			15.4	20
cis-1,3-Dichloropropene	0.125	0.137	0.121	110	96.8	76.0-127			12.4	20
trans-1,3-Dichloropropene	0.125	0.147	0.127	118	102	73.0-127			14.6	20
2,2-Dichloropropane	0.125	0.153	0.141	122	113	59.0-135			8.16	20
Di-isopropyl ether	0.125	0.107	0.0946	85.6	75.7	60.0-136			12.3	20
Ethylbenzene	0.125	0.135	0.112	108	89.6	74.0-126			18.6	20
Hexachloro-1,3-butadiene	0.125	0.118	0.126	94.4	101	57.0-150			6.56	20
Isopropylbenzene	0.125	0.139	0.118	111	94.4	72.0-127			16.3	20
p-Isopropyltoluene	0.125	0.145	0.129	116	103	72.0-133			11.7	20
2-Butanone (MEK)	0.625	0.865	0.642	138	103	30.0-160		J3	29.6	24
Methylene Chloride	0.125	0.123	0.110	98.4	88.0	68.0-123			11.2	20
4-Methyl-2-pentanone (MIBK)	0.625	0.733	0.609	117	97.4	56.0-143			18.5	20
Methyl tert-butyl ether	0.125	0.150	0.130	120	104	66.0-132			14.3	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080918-1 06/11/24 15:47 • (LCSD) R4080918-2 06/11/24 16:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0798	0.0885	63.8	70.8	59.0-130			10.3	20
n-Propylbenzene	0.125	0.158	0.140	126	112	74.0-126			12.1	20
Styrene	0.125	0.128	0.109	102	87.2	72.0-127			16.0	20
1,1,1,2-Tetrachloroethane	0.125	0.131	0.110	105	88.0	74.0-129			17.4	20
1,1,2,2-Tetrachloroethane	0.125	0.154	0.131	123	105	68.0-128			16.1	20
1,1,2-Trichlorotrifluoroethane	0.125	0.143	0.112	114	89.6	61.0-139		J3	24.3	20
Tetrachloroethene	0.125	0.144	0.121	115	96.8	70.0-136			17.4	20
Toluene	0.125	0.134	0.111	107	88.8	75.0-121			18.8	20
1,2,3-Trichlorobenzene	0.125	0.0959	0.101	76.7	80.8	59.0-139			5.18	20
1,2,4-Trichlorobenzene	0.125	0.115	0.109	92.0	87.2	62.0-137			5.36	20
1,1,1-Trichloroethane	0.125	0.153	0.131	122	105	69.0-126			15.5	20
1,1,2-Trichloroethane	0.125	0.133	0.113	106	90.4	78.0-123			16.3	20
Trichloroethene	0.125	0.123	0.108	98.4	86.4	76.0-126			13.0	20
Trichlorofluoromethane	0.125	0.166	0.154	133	123	61.0-142			7.50	20
1,2,3-Trichloropropane	0.125	0.176	0.157	141	126	67.0-129	J4		11.4	20
1,2,4-Trimethylbenzene	0.125	0.151	0.130	121	104	70.0-126			14.9	20
1,2,3-Trimethylbenzene	0.125	0.140	0.122	112	97.6	74.0-124			13.7	20
1,3,5-Trimethylbenzene	0.125	0.152	0.131	122	105	73.0-127			14.8	20
Vinyl chloride	0.125	0.118	0.114	94.4	91.2	63.0-134			3.45	20
Xylenes, Total	0.375	0.406	0.346	108	92.3	72.0-127			16.0	20
(S) Toluene-d8				*105*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.2*	*96.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*107*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R4081215-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4081215-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	0.00165	J	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.538	0.522	86.1	83.5	10.0-160			3.02	31
Acrylonitrile	0.625	0.652	0.617	104	98.7	45.0-153			5.52	22
Benzene	0.125	0.123	0.114	98.4	91.2	70.0-123			7.59	20
Bromobenzene	0.125	0.148	0.134	118	107	73.0-121			9.93	20
Bromodichloromethane	0.125	0.112	0.112	89.6	89.6	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0984	0.101	78.7	80.8	64.0-132			2.61	20
Bromomethane	0.125	0.170	0.160	136	128	56.0-147			6.06	20
n-Butylbenzene	0.125	0.141	0.133	113	106	68.0-135			5.84	20
sec-Butylbenzene	0.125	0.142	0.136	114	109	74.0-130			4.32	20
tert-Butylbenzene	0.125	0.141	0.132	113	106	75.0-127			6.59	20
Carbon tetrachloride	0.125	0.115	0.109	92.0	87.2	66.0-128			5.36	20
Chlorobenzene	0.125	0.128	0.123	102	98.4	76.0-128			3.98	20
Chlorodibromomethane	0.125	0.111	0.115	88.8	92.0	74.0-127			3.54	20
Chloroethane	0.125	0.152	0.147	122	118	61.0-134			3.34	20
Chloroform	0.125	0.114	0.107	91.2	85.6	72.0-123			6.33	20
Chloromethane	0.125	0.142	0.134	114	107	51.0-138			5.80	20
2-Chlorotoluene	0.125	0.150	0.126	120	101	75.0-124			17.4	20
4-Chlorotoluene	0.125	0.154	0.145	123	116	75.0-124			6.02	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.119	93.6	95.2	59.0-130			1.69	20
1,2-Dibromoethane	0.125	0.130	0.126	104	101	74.0-128			3.12	20
Dibromomethane	0.125	0.113	0.116	90.4	92.8	75.0-122			2.62	20
1,2-Dichlorobenzene	0.125	0.141	0.140	113	112	76.0-124			0.712	20
1,3-Dichlorobenzene	0.125	0.151	0.146	121	117	76.0-125			3.37	20
1,4-Dichlorobenzene	0.125	0.129	0.126	103	101	77.0-121			2.35	20
Dichlorodifluoromethane	0.125	0.118	0.114	94.4	91.2	43.0-156			3.45	20
1,1-Dichloroethane	0.125	0.115	0.107	92.0	85.6	70.0-127			7.21	20
1,2-Dichloroethane	0.125	0.128	0.125	102	100	65.0-131			2.37	20
1,1-Dichloroethene	0.125	0.122	0.115	97.6	92.0	65.0-131			5.91	20
cis-1,2-Dichloroethene	0.125	0.110	0.106	88.0	84.8	73.0-125			3.70	20
trans-1,2-Dichloroethene	0.125	0.115	0.116	92.0	92.8	71.0-125			0.866	20
1,2-Dichloropropane	0.125	0.116	0.111	92.8	88.8	74.0-125			4.41	20
1,1-Dichloropropene	0.125	0.119	0.113	95.2	90.4	73.0-125			5.17	20
1,3-Dichloropropane	0.125	0.130	0.130	104	104	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.122	0.119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	0.125	0.111	0.111	88.8	88.8	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.129	0.117	103	93.6	59.0-135			9.76	20
Di-isopropyl ether	0.125	0.113	0.114	90.4	91.2	60.0-136			0.881	20
Ethylbenzene	0.125	0.129	0.124	103	99.2	74.0-126			3.95	20
Hexachloro-1,3-butadiene	0.125	0.115	0.119	92.0	95.2	57.0-150			3.42	20
Isopropylbenzene	0.125	0.132	0.129	106	103	72.0-127			2.30	20
p-Isopropyltoluene	0.125	0.144	0.139	115	111	72.0-133			3.53	20
2-Butanone (MEK)	0.625	0.463	0.428	74.1	68.5	30.0-160			7.86	24
Methylene Chloride	0.125	0.106	0.107	84.8	85.6	68.0-123			0.939	20
4-Methyl-2-pentanone (MIBK)	0.625	0.706	0.702	113	112	56.0-143			0.568	20
Methyl tert-butyl ether	0.125	0.113	0.114	90.4	91.2	66.0-132			0.881	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081215-1 06/12/24 21:07 • (LCSD) R4081215-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.131	0.133	105	106	59.0-130			1.52	20
n-Propylbenzene	0.125	0.138	0.134	110	107	74.0-126			2.94	20
Styrene	0.125	0.130	0.122	104	97.6	72.0-127			6.35	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.112	89.6	89.6	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.129	102	103	68.0-128			1.56	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.103	90.4	82.4	61.0-139			9.26	20
Tetrachloroethene	0.125	0.134	0.123	107	98.4	70.0-136			8.56	20
Toluene	0.125	0.133	0.128	106	102	75.0-121			3.83	20
1,2,3-Trichlorobenzene	0.125	0.143	0.142	114	114	59.0-139			0.702	20
1,2,4-Trichlorobenzene	0.125	0.131	0.129	105	103	62.0-137			1.54	20
1,1,1-Trichloroethane	0.125	0.118	0.113	94.4	90.4	69.0-126			4.33	20
1,1,2-Trichloroethane	0.125	0.124	0.123	99.2	98.4	78.0-123			0.810	20
Trichloroethene	0.125	0.126	0.118	101	94.4	76.0-126			6.56	20
Trichlorofluoromethane	0.125	0.151	0.148	121	118	61.0-142			2.01	20
1,2,3-Trichloropropane	0.125	0.144	0.148	115	118	67.0-129			2.74	20
1,2,4-Trimethylbenzene	0.125	0.144	0.135	115	108	70.0-126			6.45	20
1,2,3-Trimethylbenzene	0.125	0.143	0.133	114	106	74.0-124			7.25	20
1,3,5-Trimethylbenzene	0.125	0.143	0.132	114	106	73.0-127			8.00	20
Vinyl chloride	0.125	0.136	0.129	109	103	63.0-134			5.28	20
Xylenes, Total	0.375	0.419	0.401	112	107	72.0-127			4.39	20
(S) Toluene-d8				*110*	*109*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.1*	*97.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R4081216-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4081216-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	0.00165	J	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081216-1 06/12/24 21:07 • (LCSD) R4081216-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.538	0.522	86.1	83.5	10.0-160			3.02	31
Acrylonitrile	0.625	0.652	0.617	104	98.7	45.0-153			5.52	22
Benzene	0.125	0.123	0.114	98.4	91.2	70.0-123			7.59	20
Bromobenzene	0.125	0.148	0.134	118	107	73.0-121			9.93	20
Bromodichloromethane	0.125	0.112	0.112	89.6	89.6	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081216-1 06/12/24 21:07 • (LCSD) R4081216-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0984	0.101	78.7	80.8	64.0-132			2.61	20
Bromomethane	0.125	0.170	0.160	136	128	56.0-147			6.06	20
n-Butylbenzene	0.125	0.141	0.133	113	106	68.0-135			5.84	20
sec-Butylbenzene	0.125	0.142	0.136	114	109	74.0-130			4.32	20
tert-Butylbenzene	0.125	0.141	0.132	113	106	75.0-127			6.59	20
Carbon tetrachloride	0.125	0.115	0.109	92.0	87.2	66.0-128			5.36	20
Chlorobenzene	0.125	0.128	0.123	102	98.4	76.0-128			3.98	20
Chlorodibromomethane	0.125	0.111	0.115	88.8	92.0	74.0-127			3.54	20
Chloroethane	0.125	0.152	0.147	122	118	61.0-134			3.34	20
Chloroform	0.125	0.114	0.107	91.2	85.6	72.0-123			6.33	20
Chloromethane	0.125	0.142	0.134	114	107	51.0-138			5.80	20
2-Chlorotoluene	0.125	0.150	0.126	120	101	75.0-124			17.4	20
4-Chlorotoluene	0.125	0.154	0.145	123	116	75.0-124			6.02	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.119	93.6	95.2	59.0-130			1.69	20
1,2-Dibromoethane	0.125	0.130	0.126	104	101	74.0-128			3.12	20
Dibromomethane	0.125	0.113	0.116	90.4	92.8	75.0-122			2.62	20
1,2-Dichlorobenzene	0.125	0.141	0.140	113	112	76.0-124			0.712	20
1,3-Dichlorobenzene	0.125	0.151	0.146	121	117	76.0-125			3.37	20
1,4-Dichlorobenzene	0.125	0.129	0.126	103	101	77.0-121			2.35	20
Dichlorodifluoromethane	0.125	0.118	0.114	94.4	91.2	43.0-156			3.45	20
1,1-Dichloroethane	0.125	0.115	0.107	92.0	85.6	70.0-127			7.21	20
1,2-Dichloroethane	0.125	0.128	0.125	102	100	65.0-131			2.37	20
1,1-Dichloroethene	0.125	0.122	0.115	97.6	92.0	65.0-131			5.91	20
cis-1,2-Dichloroethene	0.125	0.110	0.106	88.0	84.8	73.0-125			3.70	20
trans-1,2-Dichloroethene	0.125	0.115	0.116	92.0	92.8	71.0-125			0.866	20
1,2-Dichloropropane	0.125	0.116	0.111	92.8	88.8	74.0-125			4.41	20
1,1-Dichloropropene	0.125	0.119	0.113	95.2	90.4	73.0-125			5.17	20
1,3-Dichloropropane	0.125	0.130	0.130	104	104	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.122	0.119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	0.125	0.111	0.111	88.8	88.8	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.129	0.117	103	93.6	59.0-135			9.76	20
Di-isopropyl ether	0.125	0.113	0.114	90.4	91.2	60.0-136			0.881	20
Ethylbenzene	0.125	0.129	0.124	103	99.2	74.0-126			3.95	20
Hexachloro-1,3-butadiene	0.125	0.115	0.119	92.0	95.2	57.0-150			3.42	20
Isopropylbenzene	0.125	0.132	0.129	106	103	72.0-127			2.30	20
p-Isopropyltoluene	0.125	0.144	0.139	115	111	72.0-133			3.53	20
2-Butanone (MEK)	0.625	0.463	0.428	74.1	68.5	30.0-160			7.86	24
Methylene Chloride	0.125	0.106	0.107	84.8	85.6	68.0-123			0.939	20
4-Methyl-2-pentanone (MIBK)	0.625	0.706	0.702	113	112	56.0-143			0.568	20
Methyl tert-butyl ether	0.125	0.113	0.114	90.4	91.2	66.0-132			0.881	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081216-1 06/12/24 21:07 • (LCSD) R4081216-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.131	0.133	105	106	59.0-130			1.52	20
n-Propylbenzene	0.125	0.138	0.134	110	107	74.0-126			2.94	20
Styrene	0.125	0.130	0.122	104	97.6	72.0-127			6.35	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.112	89.6	89.6	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.129	102	103	68.0-128			1.56	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.103	90.4	82.4	61.0-139			9.26	20
Tetrachloroethene	0.125	0.134	0.123	107	98.4	70.0-136			8.56	20
Toluene	0.125	0.133	0.128	106	102	75.0-121			3.83	20
1,2,3-Trichlorobenzene	0.125	0.143	0.142	114	114	59.0-139			0.702	20
1,2,4-Trichlorobenzene	0.125	0.131	0.129	105	103	62.0-137			1.54	20
1,1,1-Trichloroethane	0.125	0.118	0.113	94.4	90.4	69.0-126			4.33	20
1,1,2-Trichloroethane	0.125	0.124	0.123	99.2	98.4	78.0-123			0.810	20
Trichloroethene	0.125	0.126	0.118	101	94.4	76.0-126			6.56	20
Trichlorofluoromethane	0.125	0.151	0.148	121	118	61.0-142			2.01	20
1,2,3-Trichloropropane	0.125	0.144	0.148	115	118	67.0-129			2.74	20
1,2,4-Trimethylbenzene	0.125	0.144	0.135	115	108	70.0-126			6.45	20
1,2,3-Trimethylbenzene	0.125	0.143	0.133	114	106	74.0-124			7.25	20
1,3,5-Trimethylbenzene	0.125	0.143	0.132	114	106	73.0-127			8.00	20
Vinyl chloride	0.125	0.136	0.129	109	103	63.0-134			5.28	20
Xylenes, Total	0.375	0.419	0.401	112	107	72.0-127			4.39	20
(S) Toluene-d8				*110*	*109*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.1*	*97.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R4081104-3 06/12/24 22:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4081104-3 06/12/24 22:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081104-1 06/12/24 20:38 • (LCSD) R4081104-2 06/12/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.551	0.805	88.2	129	10.0-160		J3	37.5	31
Acrylonitrile	0.625	0.617	0.757	98.7	121	45.0-153			20.4	22
Benzene	0.125	0.113	0.120	90.4	96.0	70.0-123			6.01	20
Bromobenzene	0.125	0.121	0.108	96.8	86.4	73.0-121			11.4	20
Bromodichloromethane	0.125	0.114	0.119	91.2	95.2	73.0-121			4.29	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081104-1 06/12/24 20:38 • (LCSD) R4081104-2 06/12/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.124	0.129	99.2	103	64.0-132			3.95	20
Bromomethane	0.125	0.0981	0.0916	78.5	73.3	56.0-147			6.85	20
n-Butylbenzene	0.125	0.124	0.133	99.2	106	68.0-135			7.00	20
sec-Butylbenzene	0.125	0.113	0.113	90.4	90.4	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.116	0.110	92.8	88.0	75.0-127			5.31	20
Carbon tetrachloride	0.125	0.136	0.140	109	112	66.0-128			2.90	20
Chlorobenzene	0.125	0.127	0.131	102	105	76.0-128			3.10	20
Chlorodibromomethane	0.125	0.129	0.135	103	108	74.0-127			4.55	20
Chloroethane	0.125	0.113	0.113	90.4	90.4	61.0-134			0.000	20
Chloroform	0.125	0.119	0.123	95.2	98.4	72.0-123			3.31	20
Chloromethane	0.125	0.132	0.137	106	110	51.0-138			3.72	20
2-Chlorotoluene	0.125	0.114	0.113	91.2	90.4	75.0-124			0.881	20
4-Chlorotoluene	0.125	0.104	0.102	83.2	81.6	75.0-124			1.94	20
1,2-Dibromo-3-Chloropropane	0.125	0.0931	0.0975	74.5	78.0	59.0-130			4.62	20
1,2-Dibromoethane	0.125	0.122	0.124	97.6	99.2	74.0-128			1.63	20
Dibromomethane	0.125	0.121	0.124	96.8	99.2	75.0-122			2.45	20
1,2-Dichlorobenzene	0.125	0.116	0.120	92.8	96.0	76.0-124			3.39	20
1,3-Dichlorobenzene	0.125	0.124	0.120	99.2	96.0	76.0-125			3.28	20
1,4-Dichlorobenzene	0.125	0.116	0.120	92.8	96.0	77.0-121			3.39	20
Dichlorodifluoromethane	0.125	0.137	0.136	110	109	43.0-156			0.733	20
1,1-Dichloroethane	0.125	0.120	0.122	96.0	97.6	70.0-127			1.65	20
1,2-Dichloroethane	0.125	0.112	0.121	89.6	96.8	65.0-131			7.73	20
1,1-Dichloroethene	0.125	0.125	0.133	100	106	65.0-131			6.20	20
cis-1,2-Dichloroethene	0.125	0.125	0.131	100	105	73.0-125			4.69	20
trans-1,2-Dichloroethene	0.125	0.131	0.135	105	108	71.0-125			3.01	20
1,2-Dichloropropane	0.125	0.121	0.121	96.8	96.8	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.117	0.124	93.6	99.2	73.0-125			5.81	20
1,3-Dichloropropane	0.125	0.118	0.116	94.4	92.8	80.0-125			1.71	20
cis-1,3-Dichloropropene	0.125	0.120	0.118	96.0	94.4	76.0-127			1.68	20
trans-1,3-Dichloropropene	0.125	0.120	0.122	96.0	97.6	73.0-127			1.65	20
2,2-Dichloropropane	0.125	0.123	0.123	98.4	98.4	59.0-135			0.000	20
Di-isopropyl ether	0.125	0.120	0.126	96.0	101	60.0-136			4.88	20
Ethylbenzene	0.125	0.128	0.129	102	103	74.0-126			0.778	20
Hexachloro-1,3-butadiene	0.125	0.123	0.136	98.4	109	57.0-150			10.0	20
Isopropylbenzene	0.125	0.127	0.133	102	106	72.0-127			4.62	20
p-Isopropyltoluene	0.125	0.114	0.118	91.2	94.4	72.0-133			3.45	20
2-Butanone (MEK)	0.625	0.707	0.805	113	129	30.0-160			13.0	24
Methylene Chloride	0.125	0.120	0.130	96.0	104	68.0-123			8.00	20
4-Methyl-2-pentanone (MIBK)	0.625	0.609	0.620	97.4	99.2	56.0-143			1.79	20
Methyl tert-butyl ether	0.125	0.115	0.124	92.0	99.2	66.0-132			7.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081104-1 06/12/24 20:38 • (LCSD) R4081104-2 06/12/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.0898	0.114	71.8	91.2	59.0-130		J3	23.7	20
n-Propylbenzene	0.125	0.104	0.103	83.2	82.4	74.0-126			0.966	20
Styrene	0.125	0.122	0.134	97.6	107	72.0-127			9.38	20
1,1,1,2-Tetrachloroethane	0.125	0.132	0.142	106	114	74.0-129			7.30	20
1,1,2,2-Tetrachloroethane	0.125	0.0891	0.0861	71.3	68.9	68.0-128			3.42	20
1,1,2-Trichlorotrifluoroethane	0.125	0.128	0.125	102	100	61.0-139			2.37	20
Tetrachloroethene	0.125	0.156	0.155	125	124	70.0-136			0.643	20
Toluene	0.125	0.119	0.121	95.2	96.8	75.0-121			1.67	20
1,2,3-Trichlorobenzene	0.125	0.105	0.126	84.0	101	59.0-139			18.2	20
1,2,4-Trichlorobenzene	0.125	0.109	0.134	87.2	107	62.0-137		J3	20.6	20
1,1,1-Trichloroethane	0.125	0.134	0.137	107	110	69.0-126			2.21	20
1,1,2-Trichloroethane	0.125	0.124	0.122	99.2	97.6	78.0-123			1.63	20
Trichloroethene	0.125	0.126	0.134	101	107	76.0-126			6.15	20
Trichlorofluoromethane	0.125	0.135	0.146	108	117	61.0-142			7.83	20
1,2,3-Trichloropropane	0.125	0.106	0.104	84.8	83.2	67.0-129			1.90	20
1,2,4-Trimethylbenzene	0.125	0.107	0.113	85.6	90.4	70.0-126			5.45	20
1,2,3-Trimethylbenzene	0.125	0.107	0.109	85.6	87.2	74.0-124			1.85	20
1,3,5-Trimethylbenzene	0.125	0.114	0.112	91.2	89.6	73.0-127			1.77	20
Vinyl chloride	0.125	0.115	0.111	92.0	88.8	63.0-134			3.54	20
Xylenes, Total	0.375	0.374	0.391	99.7	104	72.0-127			4.44	20
(S) Toluene-d8				*103*	*102*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*92.8*	*97.4*	*70.0-130*				

Method Blank (MB)

(MB) R4081217-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4081217-3 06/12/24 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	0.00165	J	0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*113*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.5*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081217-1 06/12/24 21:07 • (LCSD) R4081217-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.538	0.522	86.1	83.5	10.0-160			3.02	31
Acrylonitrile	0.625	0.652	0.617	104	98.7	45.0-153			5.52	22
Benzene	0.125	0.123	0.114	98.4	91.2	70.0-123			7.59	20
Bromobenzene	0.125	0.148	0.134	118	107	73.0-121			9.93	20
Bromodichloromethane	0.125	0.112	0.112	89.6	89.6	73.0-121			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081217-1 06/12/24 21:07 • (LCSD) R4081217-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.0984	0.101	78.7	80.8	64.0-132			2.61	20
Bromomethane	0.125	0.170	0.160	136	128	56.0-147			6.06	20
n-Butylbenzene	0.125	0.141	0.133	113	106	68.0-135			5.84	20
sec-Butylbenzene	0.125	0.142	0.136	114	109	74.0-130			4.32	20
tert-Butylbenzene	0.125	0.141	0.132	113	106	75.0-127			6.59	20
Carbon tetrachloride	0.125	0.115	0.109	92.0	87.2	66.0-128			5.36	20
Chlorobenzene	0.125	0.128	0.123	102	98.4	76.0-128			3.98	20
Chlorodibromomethane	0.125	0.111	0.115	88.8	92.0	74.0-127			3.54	20
Chloroethane	0.125	0.152	0.147	122	118	61.0-134			3.34	20
Chloroform	0.125	0.114	0.107	91.2	85.6	72.0-123			6.33	20
Chloromethane	0.125	0.142	0.134	114	107	51.0-138			5.80	20
2-Chlorotoluene	0.125	0.150	0.126	120	101	75.0-124			17.4	20
4-Chlorotoluene	0.125	0.154	0.145	123	116	75.0-124			6.02	20
1,2-Dibromo-3-Chloropropane	0.125	0.117	0.119	93.6	95.2	59.0-130			1.69	20
1,2-Dibromoethane	0.125	0.130	0.126	104	101	74.0-128			3.12	20
Dibromomethane	0.125	0.113	0.116	90.4	92.8	75.0-122			2.62	20
1,2-Dichlorobenzene	0.125	0.141	0.140	113	112	76.0-124			0.712	20
1,3-Dichlorobenzene	0.125	0.151	0.146	121	117	76.0-125			3.37	20
1,4-Dichlorobenzene	0.125	0.129	0.126	103	101	77.0-121			2.35	20
Dichlorodifluoromethane	0.125	0.118	0.114	94.4	91.2	43.0-156			3.45	20
1,1-Dichloroethane	0.125	0.115	0.107	92.0	85.6	70.0-127			7.21	20
1,2-Dichloroethane	0.125	0.128	0.125	102	100	65.0-131			2.37	20
1,1-Dichloroethene	0.125	0.122	0.115	97.6	92.0	65.0-131			5.91	20
cis-1,2-Dichloroethene	0.125	0.110	0.106	88.0	84.8	73.0-125			3.70	20
trans-1,2-Dichloroethene	0.125	0.115	0.116	92.0	92.8	71.0-125			0.866	20
1,2-Dichloropropane	0.125	0.116	0.111	92.8	88.8	74.0-125			4.41	20
1,1-Dichloropropene	0.125	0.119	0.113	95.2	90.4	73.0-125			5.17	20
1,3-Dichloropropane	0.125	0.130	0.130	104	104	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.122	0.119	97.6	95.2	76.0-127			2.49	20
trans-1,3-Dichloropropene	0.125	0.111	0.111	88.8	88.8	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.129	0.117	103	93.6	59.0-135			9.76	20
Di-isopropyl ether	0.125	0.113	0.114	90.4	91.2	60.0-136			0.881	20
Ethylbenzene	0.125	0.129	0.124	103	99.2	74.0-126			3.95	20
Hexachloro-1,3-butadiene	0.125	0.115	0.119	92.0	95.2	57.0-150			3.42	20
Isopropylbenzene	0.125	0.132	0.129	106	103	72.0-127			2.30	20
p-Isopropyltoluene	0.125	0.144	0.139	115	111	72.0-133			3.53	20
2-Butanone (MEK)	0.625	0.463	0.428	74.1	68.5	30.0-160			7.86	24
Methylene Chloride	0.125	0.106	0.107	84.8	85.6	68.0-123			0.939	20
4-Methyl-2-pentanone (MIBK)	0.625	0.706	0.702	113	112	56.0-143			0.568	20
Methyl tert-butyl ether	0.125	0.113	0.114	90.4	91.2	66.0-132			0.881	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081217-1 06/12/24 21:07 • (LCSD) R4081217-2 06/12/24 21:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.131	0.133	105	106	59.0-130			1.52	20
n-Propylbenzene	0.125	0.138	0.134	110	107	74.0-126			2.94	20
Styrene	0.125	0.130	0.122	104	97.6	72.0-127			6.35	20
1,1,1,2-Tetrachloroethane	0.125	0.112	0.112	89.6	89.6	74.0-129			0.000	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.129	102	103	68.0-128			1.56	20
1,1,2-Trichlorotrifluoroethane	0.125	0.113	0.103	90.4	82.4	61.0-139			9.26	20
Tetrachloroethene	0.125	0.134	0.123	107	98.4	70.0-136			8.56	20
Toluene	0.125	0.133	0.128	106	102	75.0-121			3.83	20
1,2,3-Trichlorobenzene	0.125	0.143	0.142	114	114	59.0-139			0.702	20
1,2,4-Trichlorobenzene	0.125	0.131	0.129	105	103	62.0-137			1.54	20
1,1,1-Trichloroethane	0.125	0.118	0.113	94.4	90.4	69.0-126			4.33	20
1,1,2-Trichloroethane	0.125	0.124	0.123	99.2	98.4	78.0-123			0.810	20
Trichloroethene	0.125	0.126	0.118	101	94.4	76.0-126			6.56	20
Trichlorofluoromethane	0.125	0.151	0.148	121	118	61.0-142			2.01	20
1,2,3-Trichloropropane	0.125	0.144	0.148	115	118	67.0-129			2.74	20
1,2,4-Trimethylbenzene	0.125	0.144	0.135	115	108	70.0-126			6.45	20
1,2,3-Trimethylbenzene	0.125	0.143	0.133	114	106	74.0-124			7.25	20
1,3,5-Trimethylbenzene	0.125	0.143	0.132	114	106	73.0-127			8.00	20
Vinyl chloride	0.125	0.136	0.129	109	103	63.0-134			5.28	20
Xylenes, Total	0.375	0.419	0.401	112	107	72.0-127			4.39	20
(S) Toluene-d8				*110*	*109*	*75.0-131*				
(S) 4-Bromofluorobenzene				*99.1*	*97.3*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*111*	*70.0-130*				

Method Blank (MB)

(MB) R4076519-1 06/02/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
C12-C22 Hydrocarbons	U		33.0	100
C22-C32 Hydrocarbons	U		33.0	100
C32-C40 Hydrocarbons	U		33.0	100
(S) o-Terphenyl	*59.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4076519-2 06/02/24 10:58 • (LCSD) R4076519-3 06/02/24 11:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	750	793	803	106	107	50.0-150			1.25	20
C22-C32 Hydrocarbons	750	722	733	96.3	97.7	50.0-150			1.51	20
(S) o-Terphenyl				*73.5*	*73.5*	*52.0-156*				

Method Blank (MB)

(MB) R4080350-1 06/11/24 12:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*103*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4080350-2 06/11/24 12:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	20.0	80.0	50.0-150	
C22-C32 Hydrocarbons	25.0	17.2	68.8	50.0-150	
(S) o-Terphenyl			*66.8*	*18.0-148*	

L1741921-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-17 06/11/24 13:43 • (MS) R4080350-3 06/11/24 13:58 • (MSD) R4080350-4 06/11/24 14:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	33.0	22.3	37.5	42.9	45.9	61.0	1	50.0-150	J6		13.5	20
C22-C32 Hydrocarbons	33.0	42.6	44.7	58.7	6.15	47.8	1	50.0-150	J6	J3 J6	27.2	20
(S) o-Terphenyl					*67.5*	*61.1*		*18.0-148*				

Method Blank (MB)

(MB) R4081481-1 06/13/24 10:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*100*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4081481-2 06/13/24 11:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	25.6	102	50.0-150	
C22-C32 Hydrocarbons	25.0	21.0	84.0	50.0-150	
(S) o-Terphenyl			*89.6*	*18.0-148*	

L1741921-65 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-65 06/13/24 12:27 • (MS) R4081481-3 06/13/24 12:42 • (MSD) R4081481-4 06/13/24 12:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	31.6	2.42	34.3	34.9	101	102	1	50.0-150			1.90	20
C22-C32 Hydrocarbons	31.6	2.72	31.8	31.1	91.8	89.4	1	50.0-150			2.09	20
(S) o-Terphenyl					*77.7*	*72.0*		*18.0-148*				

Method Blank (MB)

(MB) R4081755-1 06/14/24 00:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*80.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4081755-4 06/14/24 06:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	19.6	78.4	50.0-150	
C22-C32 Hydrocarbons	25.0	17.0	68.0	50.0-150	
(S) o-Terphenyl			*70.0*	*18.0-148*	

L1741921-66 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-66 06/14/24 00:34 • (MS) R4081755-2 06/14/24 00:49 • (MSD) R4081755-3 06/14/24 01:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	29.5	U	24.2	21.4	82.0	72.7	1	50.0-150			12.1	20
C22-C32 Hydrocarbons	29.5	U	23.8	21.0	80.8	71.0	1	50.0-150			12.9	20
(S) o-Terphenyl					*72.2*	*65.6*		*18.0-148*				

Method Blank (MB)

(MB) R4081261-1 06/13/24 10:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*65.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*65.3*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4081261-2 06/13/24 10:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.124	74.3	36.0-141	
PCB 1260	0.167	0.120	71.9	37.0-145	
(S) Decachlorobiphenyl			*79.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*77.5*	*10.0-139*	

L1741921-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-13 06/13/24 11:41 • (MS) R4081261-3 06/13/24 11:50 • (MSD) R4081261-4 06/13/24 11:59

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.183	U	0.249	0.202	136	110	1	10.0-160			20.9	37
PCB 1260	0.183	1.28	1.54	1.32	138	18.0	1	10.0-160	E	E	15.4	38
(S) Decachlorobiphenyl					*76.3*	*60.8*		*10.0-135*				
(S) Tetrachloro-m-xylene					*62.5*	*49.5*		*10.0-139*				

Method Blank (MB)

(MB) R4083602-1 06/18/24 22:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0236	0.0680
PCB 1221	U		0.0236	0.0680
PCB 1232	U		0.0236	0.0680
PCB 1242	U		0.0236	0.0680
PCB 1248	U		0.0148	0.0340
PCB 1254	U		0.0148	0.0340
PCB 1260	U		0.0148	0.0340
(S) Decachlorobiphenyl	*125*			*10.0-135*
(S) Tetrachloro-m-xylene	*124*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4083602-2 06/18/24 22:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.124	74.3	36.0-141	
PCB 1260	0.167	0.124	74.3	37.0-145	
(S) Decachlorobiphenyl			*92.0*	*10.0-135*	
(S) Tetrachloro-m-xylene			*91.0*	*10.0-139*	

Method Blank (MB)

(MB) R4088908-1 07/01/24 22:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*80.2*			*10.0-135*
(S) Tetrachloro-m-xylene	*94.4*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4088908-2 07/01/24 22:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.0932	55.8	36.0-141	
PCB 1260	0.167	0.0835	50.0	37.0-145	
(S) Decachlorobiphenyl			*60.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*73.6*	*10.0-139*	

L1752331-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752331-04 07/02/24 00:45 • (MS) R4088908-3 07/02/24 00:53 • (MSD) R4088908-4 07/02/24 01:02

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.182	U	0.119	0.101	65.3	55.4	1	10.0-160			16.4	37
PCB 1260	0.182	U	0.100	0.0861	55.1	47.3	1	10.0-160			15.2	38
(S) Decachlorobiphenyl					*62.0*	*43.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*75.7*	*56.8*		*10.0-139*				

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*57.5*			*12.0-120*
(S) Phenol-d5	*50.5*			*10.0-120*
(S) Nitrobenzene-d5	*51.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*57.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*33.8*			*10.0-127*
(S) p-Terphenyl-d14	*57.7*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.478	71.8	38.0-120	
Acenaphthylene	0.666	0.512	76.9	40.0-120	
Anthracene	0.666	0.501	75.2	42.0-120	
Benzidine	1.33	0.457	34.4	10.0-120	J
Benzo(a)anthracene	0.666	0.529	79.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.499	74.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.502	75.4	44.0-120	
Benzo(g,h,i)perylene	0.666	0.447	67.1	43.0-120	
Benzo(a)pyrene	0.666	0.516	77.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.384	57.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.528	79.3	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.453	68.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.384	57.7	40.0-120	
2-Chloronaphthalene	0.666	0.464	69.7	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.485	72.8	40.0-120	
Chrysene	0.666	0.527	79.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.453	68.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.451	67.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.422	63.4	30.0-120	
1,4-Dichlorobenzene	0.666	0.422	63.4	31.0-120	
3,3-Dichlorobenzidine	1.33	0.791	59.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.558	83.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.571	85.7	42.0-120	
Fluoranthene	0.666	0.467	70.1	44.0-120	
Fluorene	0.666	0.497	74.6	41.0-120	
Hexachlorobenzene	0.666	0.316	47.4	39.0-120	J
Hexachloro-1,3-butadiene	0.666	0.391	58.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.334	50.2	15.0-120	
Hexachloroethane	0.666	0.416	62.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.427	64.1	45.0-120	
Isophorone	0.666	0.404	60.7	23.0-120	
Naphthalene	0.666	0.377	56.6	18.0-120	
Nitrobenzene	0.666	0.379	56.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.377	56.6	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.481	72.2	26.0-120	
Phenanthrene	0.666	0.493	74.0	42.0-120	
Benzylbutyl phthalate	0.666	0.643	96.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.656	98.5	41.0-120	
Di-n-butyl phthalate	0.666	0.501	75.2	43.0-120	
Diethyl phthalate	0.666	0.540	81.1	43.0-120	
Dimethyl phthalate	0.666	0.531	79.7	43.0-120	
Di-n-octyl phthalate	0.666	0.633	95.0	40.0-120	
Pyrene	0.666	0.580	87.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.394	59.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.399	59.9	28.0-120	
2-Chlorophenol	0.666	0.480	72.1	28.0-120	
2,4-Dichlorophenol	0.666	0.404	60.7	25.0-120	
2,4-Dimethylphenol	0.666	0.449	67.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.603	90.5	16.0-120	
2,4-Dinitrophenol	0.666	0.490	73.6	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.470	70.6	20.0-120	
4-Nitrophenol	0.666	0.625	93.8	27.0-120	
Pentachlorophenol	0.666	0.353	53.0	29.0-120	
Phenol	0.666	0.418	62.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*72.8*	*12.0-120*	
(S) Phenol-d5			*63.8*	*10.0-120*	
(S) Nitrobenzene-d5			*52.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*73.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*43.7*	*10.0-127*	
(S) p-Terphenyl-d14			*70.0*	*10.0-120*	

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.809	U	0.414	0.396	51.2	48.6	1	18.0-120			4.59	32
Acenaphthylene	0.809	U	0.453	0.430	56.0	52.9	1	25.0-120			5.06	32
Anthracene	0.809	U	0.458	0.442	56.6	54.3	1	22.0-120			3.59	29
Benzidine	1.61	U	0.165	0.159	10.2	9.77	1	10.0-120	J	J J6	3.83	40
Benzo(a)anthracene	0.809	U	0.474	0.445	58.6	54.7	1	25.0-120			6.21	29
Benzo(b)fluoranthene	0.809	U	0.452	0.419	55.8	51.5	1	19.0-122			7.41	31
Benzo(k)fluoranthene	0.809	U	0.447	0.423	55.2	52.0	1	23.0-120			5.42	30
Benzo(g,h,i)perylene	0.809	U	0.403	0.375	49.8	46.0	1	10.0-120			7.34	33
Benzo(a)pyrene	0.809	U	0.454	0.434	56.1	53.4	1	24.0-120			4.47	30
Bis(2-chlorethoxy)methane	0.809	U	0.356	0.345	44.0	42.4	1	10.0-120	J	J	3.19	34
Bis(2-chloroethyl)ether	0.809	U	0.489	0.459	60.4	56.4	1	10.0-120			6.28	40
2,2-Oxybis(1-Chloropropane)	0.809	U	0.397	0.382	49.1	47.0	1	10.0-120	J	J	3.82	40
4-Bromophenyl-phenylether	0.809	U	0.349	0.344	43.1	42.2	1	27.0-120	J	J	1.43	30
2-Chloronaphthalene	0.809	U	0.408	0.386	50.5	47.4	1	20.0-120			5.63	32
4-Chlorophenyl-phenylether	0.809	U	0.433	0.429	53.5	52.7	1	24.0-120			0.863	29
Chrysene	0.809	U	0.480	0.449	59.4	55.2	1	21.0-120			6.68	29
Dibenz(a,h)anthracene	0.809	U	0.396	0.373	48.9	45.9	1	10.0-120			5.81	32
1,2-Dichlorobenzene	0.809	U	0.414	0.397	51.2	48.8	1	10.0-120		J	4.28	38
1,3-Dichlorobenzene	0.809	U	0.388	0.375	48.0	46.0	1	10.0-120	J	J	3.58	40
1,4-Dichlorobenzene	0.809	U	0.398	0.378	49.2	46.5	1	10.0-120	J	J	5.11	39
3,3-Dichlorobenzidine	1.61	U	0.579	0.504	35.9	31.0	1	10.0-120			14.0	34
2,4-Dinitrotoluene	0.809	U	0.501	0.481	62.0	59.1	1	30.0-120			4.04	31

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.809	U	0.515	0.486	63.7	59.8	1	25.0-120			5.70	31
Fluoranthene	0.809	U	0.425	0.413	52.6	50.8	1	18.0-126			2.96	32
Fluorene	0.809	U	0.453	0.428	56.0	52.6	1	25.0-120			5.63	30
Hexachlorobenzene	0.809	U	0.290	0.280	35.9	34.5	1	27.0-120	J	J	3.48	28
Hexachloro-1,3-butadiene	0.809	U	0.367	0.354	45.4	43.4	1	10.0-120	J	J	3.79	38
Hexachlorocyclopentadiene	0.809	U	0.284	0.258	35.1	31.7	1	10.0-120	J	J	9.61	40
Hexachloroethane	0.809	U	0.376	0.363	46.5	44.7	1	10.0-120	J	J	3.36	40
Indeno(1,2,3-cd)pyrene	0.809	U	0.382	0.362	47.2	44.5	1	10.0-120			5.33	32
Isophorone	0.809	U	0.377	0.368	46.6	45.3	1	13.0-120	J	J	2.33	34
Naphthalene	0.809	U	0.358	0.345	44.3	42.4	1	10.0-120			3.88	35
Nitrobenzene	0.809	U	0.358	0.347	44.3	42.7	1	10.0-120	J	J	3.16	36
n-Nitrosodimethylamine	0.809	U	0.376	0.342	46.5	42.1	1	10.0-127	J	J	9.33	40
n-Nitrosodiphenylamine	0.809	U	0.360	0.342	44.5	42.1	1	17.0-120	J	J	4.95	29
n-Nitrosodi-n-propylamine	0.809	U	0.439	0.423	54.3	52.0	1	10.0-120			3.74	37
Phenanthrene	0.809	U	0.443	0.438	54.8	53.8	1	17.0-120			1.13	31
Benzylbutyl phthalate	0.809	U	0.604	0.561	74.7	68.9	1	23.0-120			7.45	30
Bis(2-ethylhexyl)phthalate	0.809	U	0.594	0.561	73.5	68.9	1	17.0-126			5.80	30
Di-n-butyl phthalate	0.809	U	0.452	0.440	55.8	54.1	1	30.0-120			2.50	29
Diethyl phthalate	0.809	U	0.483	0.466	59.7	57.3	1	26.0-120			3.40	28
Dimethyl phthalate	0.809	U	0.464	0.450	57.4	55.3	1	25.0-120			2.99	29
Di-n-octyl phthalate	0.809	U	0.595	0.552	73.6	67.8	1	21.0-123			7.57	29
Pyrene	0.809	U	0.516	0.492	63.8	60.5	1	16.0-121			4.67	32
1,2,4-Trichlorobenzene	0.809	U	0.366	0.356	45.2	43.8	1	12.0-120	J	J	2.75	37
4-Chloro-3-methylphenol	0.809	U	0.371	0.355	45.9	43.6	1	15.0-120	J	J	4.44	30
2-Chlorophenol	0.809	U	0.434	0.407	53.7	50.0	1	15.0-120		J	6.49	37
2,4-Dichlorophenol	0.809	U	0.371	0.371	45.9	45.6	1	20.0-120	J	J	0.000	31
2,4-Dimethylphenol	0.809	U	0.357	0.357	44.2	43.9	1	10.0-120	J	J	0.000	33
4,6-Dinitro-2-methylphenol	0.809	U	0.708	0.685	87.6	84.1	1	10.0-120			3.38	39
2,4-Dinitrophenol	0.809	U	0.781	0.750	96.6	92.2	1	10.0-121			4.05	40
2-Nitrophenol	0.809	U	0.455	0.434	56.3	53.4	1	12.0-120			4.74	39
4-Nitrophenol	0.809	U	0.628	0.567	77.6	69.7	1	10.0-137			10.2	32
Pentachlorophenol	0.809	U	0.404	0.391	50.0	48.0	1	10.0-160	J	J	3.43	31
Phenol	0.809	U	0.373	0.370	46.2	45.4	1	12.0-120	J	J	1.00	38
2,4,6-Trichlorophenol	0.809	U	0.425	0.438	52.6	53.8	1	19.0-120			2.87	32
(S) 2-Fluorophenol					*54.4*	*51.1*		*12.0-120*				
(S) Phenol-d5					*46.0*	*45.1*		*10.0-120*				
(S) Nitrobenzene-d5					*41.7*	*40.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*51.5*	*48.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*33.3*	*32.6*		*10.0-127*				

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*51.2*	*47.6*		*10.0-120*				

Method Blank (MB)

(MB) R4080581-2 06/11/24 23:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4080581-2 06/11/24 23:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*82.1*			*12.0-120*
(S) Phenol-d5	*79.0*			*10.0-120*
(S) Nitrobenzene-d5	*77.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*73.9*			*15.0-120*
(S) 2,4,6-Tribromophenol	*65.5*			*10.0-127*
(S) p-Terphenyl-d14	*76.3*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.560	84.1	38.0-120	
Acenaphthylene	0.666	0.548	82.3	40.0-120	
Anthracene	0.666	0.557	83.6	42.0-120	
Benzidine	1.33	0.683	51.4	10.0-120	J
Benzo(a)anthracene	0.666	0.616	92.5	44.0-120	
Benzo(b)fluoranthene	0.666	0.599	89.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.583	87.5	44.0-120	
Benzo(g,h,i)perylene	0.666	0.580	87.1	43.0-120	
Benzo(a)pyrene	0.666	0.606	91.0	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.481	72.2	20.0-120	
Bis(2-chloroethyl)ether	0.666	1.13	170	16.0-120	J4

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.494	74.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.570	85.6	40.0-120	
2-Chloronaphthalene	0.666	0.501	75.2	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.629	94.4	40.0-120	
Chrysene	0.666	0.598	89.8	43.0-120	
Dibenz(a,h)anthracene	0.666	0.582	87.4	44.0-120	
1,2-Dichlorobenzene	0.666	0.513	77.0	32.0-120	
1,3-Dichlorobenzene	0.666	0.494	74.2	30.0-120	
1,4-Dichlorobenzene	0.666	0.501	75.2	31.0-120	
3,3-Dichlorobenzidine	1.33	1.25	94.0	28.0-120	
2,4-Dinitrotoluene	0.666	0.683	103	45.0-120	
2,6-Dinitrotoluene	0.666	0.635	95.3	42.0-120	
Fluoranthene	0.666	0.614	92.2	44.0-120	
Fluorene	0.666	0.600	90.1	41.0-120	
Hexachlorobenzene	0.666	0.540	81.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.541	81.2	15.0-120	
Hexachlorocyclopentadiene	0.666	0.365	54.8	15.0-120	
Hexachloroethane	0.666	0.499	74.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.571	85.7	45.0-120	
Isophorone	0.666	0.500	75.1	23.0-120	
Naphthalene	0.666	0.443	66.5	18.0-120	
Nitrobenzene	0.666	0.498	74.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.349	52.4	10.0-125	
n-Nitrosodiphenylamine	0.666	0.507	76.1	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.537	80.6	26.0-120	
Phenanthrene	0.666	0.547	82.1	42.0-120	
Benzylbutyl phthalate	0.666	0.677	102	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.669	100	41.0-120	
Di-n-butyl phthalate	0.666	0.571	85.7	43.0-120	
Diethyl phthalate	0.666	0.605	90.8	43.0-120	
Dimethyl phthalate	0.666	0.588	88.3	43.0-120	
Di-n-octyl phthalate	0.666	0.700	105	40.0-120	
Pyrene	0.666	0.637	95.6	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.494	74.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.537	80.6	28.0-120	
2-Chlorophenol	0.666	0.562	84.4	28.0-120	
2,4-Dichlorophenol	0.666	0.527	79.1	25.0-120	
2,4-Dimethylphenol	0.666	0.605	90.8	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.631	94.7	16.0-120	
2,4-Dinitrophenol	0.666	0.545	81.8	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4080581-1 06/11/24 22:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.522	78.4	20.0-120	
4-Nitrophenol	0.666	0.506	76.0	27.0-120	
Pentachlorophenol	0.666	0.406	61.0	29.0-120	
Phenol	0.666	0.578	86.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.546	82.0	37.0-120	
(S) 2-Fluorophenol			*93.5*	*12.0-120*	
(S) Phenol-d5			*90.7*	*10.0-120*	
(S) Nitrobenzene-d5			*71.2*	*10.0-122*	
(S) 2-Fluorobiphenyl			*83.5*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*82.1*	*10.0-127*	
(S) p-Terphenyl-d14			*92.2*	*10.0-120*	

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.723	U	0.479	0.444	66.2	61.5	1	18.0-120			7.64	32
Acenaphthylene	0.723	U	0.487	0.433	67.3	60.1	1	25.0-120			11.6	32
Anthracene	0.723	U	0.505	0.438	69.8	60.7	1	22.0-120			14.2	29
Benzidine	1.44	U	0.232	0.373	16.1	25.8	1	10.0-120	J	J J3	46.6	40
Benzo(a)anthracene	0.723	U	0.541	0.458	74.8	63.6	1	25.0-120			16.6	29
Benzo(b)fluoranthene	0.723	U	0.528	0.450	73.0	62.5	1	19.0-122			15.8	31
Benzo(k)fluoranthene	0.723	U	0.520	0.442	71.9	61.4	1	23.0-120			16.1	30
Benzo(g,h,i)perylene	0.723	U	0.519	0.450	71.7	62.5	1	10.0-120			14.1	33
Benzo(a)pyrene	0.723	U	0.539	0.465	74.5	64.5	1	24.0-120			14.7	30
Bis(2-chlorethoxy)methane	0.723	U	0.429	0.380	59.3	52.7	1	10.0-120			12.1	34
Bis(2-chloroethyl)ether	0.723	U	0.570	0.354	78.8	49.1	1	10.0-120		J J3	46.8	40
2,2-Oxybis(1-Chloropropane)	0.723	U	0.415	0.375	57.4	52.1	1	10.0-120		J	10.1	40
4-Bromophenyl-phenylether	0.723	U	0.504	0.449	69.7	62.3	1	27.0-120			11.5	30
2-Chloronaphthalene	0.723	U	0.441	0.399	61.0	55.4	1	20.0-120			10.0	32
4-Chlorophenyl-phenylether	0.723	U	0.560	0.488	77.4	67.7	1	24.0-120			13.7	29
Chrysene	0.723	U	0.527	0.440	72.8	61.0	1	21.0-120			17.9	29
Dibenz(a,h)anthracene	0.723	U	0.528	0.458	73.0	63.6	1	10.0-120			14.1	32
1,2-Dichlorobenzene	0.723	U	0.431	0.386	59.6	53.5	1	10.0-120			11.1	38
1,3-Dichlorobenzene	0.723	U	0.415	0.375	57.4	52.1	1	10.0-120		J	10.1	40
1,4-Dichlorobenzene	0.723	U	0.432	0.372	59.7	51.6	1	10.0-120		J	15.0	39
3,3-Dichlorobenzidine	1.44	U	1.10	0.914	76.4	63.3	1	10.0-120			18.7	34
2,4-Dinitrotoluene	0.723	U	0.590	0.520	81.6	72.1	1	30.0-120			12.7	31

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.723	U	0.560	0.517	77.4	71.8	1	25.0-120			7.81	31
Fluoranthene	0.723	U	0.560	0.472	77.4	65.5	1	18.0-126			17.0	32
Fluorene	0.723	U	0.516	0.476	71.4	66.1	1	25.0-120			8.02	30
Hexachlorobenzene	0.723	U	0.487	0.434	67.3	60.3	1	27.0-120			11.4	28
Hexachloro-1,3-butadiene	0.723	U	0.480	0.434	66.4	60.3	1	10.0-120			9.95	38
Hexachlorocyclopentadiene	0.723	U	0.210	0.235	29.1	32.6	1	10.0-120	J	J	11.2	40
Hexachloroethane	0.723	U	0.458	0.380	63.4	52.7	1	10.0-120			18.7	40
Indeno(1,2,3-cd)pyrene	0.723	U	0.517	0.457	71.5	63.4	1	10.0-120			12.4	32
Isophorone	0.723	U	0.457	0.409	63.2	56.8	1	13.0-120			11.0	34
Naphthalene	0.723	U	0.411	0.363	56.8	50.3	1	10.0-120			12.4	35
Nitrobenzene	0.723	U	0.444	0.409	61.3	56.8	1	10.0-120			8.00	36
n-Nitrosodimethylamine	0.723	U	0.298	0.247	41.2	34.2	1	10.0-127	J	J	18.8	40
n-Nitrosodiphenylamine	0.723	U	0.475	0.414	65.7	57.4	1	17.0-120			13.8	29
n-Nitrosodi-n-propylamine	0.723	U	0.464	0.415	64.2	57.6	1	10.0-120			11.1	37
Phenanthrene	0.723	U	0.497	0.428	68.7	59.3	1	17.0-120			15.0	31
Benzylbutyl phthalate	0.723	U	0.610	0.506	84.3	70.2	1	23.0-120			18.6	30
Bis(2-ethylhexyl)phthalate	0.723	U	0.600	0.515	83.0	71.5	1	17.0-126			15.3	30
Di-n-butyl phthalate	0.723	U	0.514	0.444	71.1	61.5	1	30.0-120			14.7	29
Diethyl phthalate	0.723	U	0.537	0.474	74.2	65.8	1	26.0-120			12.4	28
Dimethyl phthalate	0.723	U	0.506	0.461	70.0	63.9	1	25.0-120			9.41	29
Di-n-octyl phthalate	0.723	U	0.621	0.511	85.8	70.8	1	21.0-123			19.5	29
Pyrene	0.723	U	0.552	0.473	76.3	65.6	1	16.0-121			15.3	32
1,2,4-Trichlorobenzene	0.723	U	0.440	0.411	60.8	56.9	1	12.0-120			6.95	37
4-Chloro-3-methylphenol	0.723	U	0.507	0.433	70.1	60.1	1	15.0-120			15.7	30
2-Chlorophenol	0.723	U	0.498	0.430	68.9	59.6	1	15.0-120			14.7	37
2,4-Dichlorophenol	0.723	U	0.478	0.424	66.0	58.8	1	20.0-120			11.9	31
2,4-Dimethylphenol	0.723	U	0.554	0.494	76.6	68.5	1	10.0-120			11.5	33
4,6-Dinitro-2-methylphenol	0.723	U	0.553	0.522	76.4	72.4	1	10.0-120			5.71	39
2,4-Dinitrophenol	0.723	U	0.515	0.530	71.2	73.5	1	10.0-121			2.83	40
2-Nitrophenol	0.723	U	0.490	0.451	67.8	62.6	1	12.0-120			8.21	39
4-Nitrophenol	0.723	U	0.482	0.425	66.7	59.0	1	10.0-137			12.5	32
Pentachlorophenol	0.723	U	0.497	0.405	68.7	56.2	1	10.0-160			20.4	31
Phenol	0.723	U	0.483	0.428	66.8	59.3	1	12.0-120			12.2	38
2,4,6-Trichlorophenol	0.723	U	0.498	0.463	68.9	64.2	1	19.0-120			7.34	32
(S) 2-Fluorophenol					*78.6*	*68.6*		*12.0-120*				
(S) Phenol-d5					*73.3*	*63.9*		*10.0-120*				
(S) Nitrobenzene-d5					*61.6*	*55.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*66.4*	*64.7*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*70.9*	*62.8*		*10.0-127*				

L1744090-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744090-06 06/11/24 23:45 • (MS) R4080581-3 06/12/24 00:05 • (MSD) R4080581-4 06/12/24 00:25

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*76.1*	*63.4*		*10.0-120*				

Method Blank (MB)

(MB) R4081754-2 06/13/24 19:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4081754-2 06/13/24 19:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*74.2*			*12.0-120*
(S) Phenol-d5	*70.0*			*10.0-120*
(S) Nitrobenzene-d5	*55.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*68.2*			*15.0-120*
(S) 2,4,6-Tribromophenol	*60.4*			*10.0-127*
(S) p-Terphenyl-d14	*77.5*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081754-1 06/13/24 18:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.406	61.0	38.0-120	
Acenaphthylene	0.666	0.448	67.3	40.0-120	
Anthracene	0.666	0.447	67.1	42.0-120	
Benzidine	1.33	0.471	35.4	10.0-120	J
Benzo(a)anthracene	0.666	0.471	70.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.421	63.2	43.0-120	
Benzo(k)fluoranthene	0.666	0.414	62.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.471	70.7	43.0-120	
Benzo(a)pyrene	0.666	0.444	66.7	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.307	46.1	20.0-120	J
Bis(2-chloroethyl)ether	0.666	0.440	66.1	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081754-1 06/13/24 18:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.371	55.7	23.0-120	
4-Bromophenyl-phenylether	0.666	0.454	68.2	40.0-120	
2-Chloronaphthalene	0.666	0.383	57.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.443	66.5	40.0-120	
Chrysene	0.666	0.435	65.3	43.0-120	
Dibenz(a,h)anthracene	0.666	0.490	73.6	44.0-120	
1,2-Dichlorobenzene	0.666	0.369	55.4	32.0-120	
1,3-Dichlorobenzene	0.666	0.372	55.9	30.0-120	
1,4-Dichlorobenzene	0.666	0.390	58.6	31.0-120	
3,3-Dichlorobenzidine	1.33	0.810	60.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.454	68.2	45.0-120	
2,6-Dinitrotoluene	0.666	0.466	70.0	42.0-120	
Fluoranthene	0.666	0.452	67.9	44.0-120	
Fluorene	0.666	0.418	62.8	41.0-120	
Hexachlorobenzene	0.666	0.412	61.9	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.316	47.4	15.0-120	J
Hexachlorocyclopentadiene	0.666	0.298	44.7	15.0-120	J
Hexachloroethane	0.666	0.365	54.8	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.528	79.3	45.0-120	
Isophorone	0.666	0.321	48.2	23.0-120	J
Naphthalene	0.666	0.321	48.2	18.0-120	
Nitrobenzene	0.666	0.304	45.6	17.0-120	J
n-Nitrosodimethylamine	0.666	0.306	45.9	10.0-125	J
n-Nitrosodiphenylamine	0.666	0.411	61.7	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.373	56.0	26.0-120	
Phenanthrene	0.666	0.429	64.4	42.0-120	
Benzylbutyl phthalate	0.666	0.475	71.3	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.473	71.0	41.0-120	
Di-n-butyl phthalate	0.666	0.436	65.5	43.0-120	
Diethyl phthalate	0.666	0.471	70.7	43.0-120	
Dimethyl phthalate	0.666	0.435	65.3	43.0-120	
Di-n-octyl phthalate	0.666	0.470	70.6	40.0-120	
Pyrene	0.666	0.460	69.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.333	50.0	17.0-120	J
4-Chloro-3-methylphenol	0.666	0.352	52.9	28.0-120	
2-Chlorophenol	0.666	0.409	61.4	28.0-120	
2,4-Dichlorophenol	0.666	0.354	53.2	25.0-120	
2,4-Dimethylphenol	0.666	0.317	47.6	15.0-120	J
4,6-Dinitro-2-methylphenol	0.666	0.538	80.8	16.0-120	
2,4-Dinitrophenol	0.666	0.423	63.5	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081754-1 06/13/24 18:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.371	55.7	20.0-120	
4-Nitrophenol	0.666	0.459	68.9	27.0-120	
Pentachlorophenol	0.666	0.308	46.2	29.0-120	J
Phenol	0.666	0.395	59.3	28.0-120	
2,4,6-Trichlorophenol	0.666	0.435	65.3	37.0-120	
(S) 2-Fluorophenol			*69.5*	*12.0-120*	
(S) Phenol-d5			*64.9*	*10.0-120*	
(S) Nitrobenzene-d5			*44.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*62.2*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*63.8*	*10.0-127*	
(S) p-Terphenyl-d14			*71.5*	*10.0-120*	

L1741921-63 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-63 06/14/24 01:07 • (MS) R4081754-3 06/14/24 01:32 • (MSD) R4081754-4 06/14/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.850	U	0.457	0.410	53.8	48.4	2	18.0-120			10.7	32
Acenaphthylene	0.850	U	0.495	0.461	58.3	54.4	2	25.0-120			7.22	32
Anthracene	0.850	U	0.542	0.535	63.8	63.2	2	22.0-120			1.23	29
Benzidine	1.70	U	U	0.262	0.000	15.4	2	10.0-120	J6	J J3	200	40
Benzo(a)anthracene	0.850	U	0.600	0.596	70.6	70.4	2	25.0-120			0.666	29
Benzo(b)fluoranthene	0.850	U	0.536	0.526	63.1	62.1	2	19.0-122			2.00	31
Benzo(k)fluoranthene	0.850	U	0.518	0.507	60.9	59.9	2	23.0-120			2.07	30
Benzo(g,h,i)perylene	0.850	U	0.551	0.542	64.8	63.9	2	10.0-120			1.70	33
Benzo(a)pyrene	0.850	U	0.564	0.556	66.4	65.7	2	24.0-120			1.42	30
Bis(2-chlorethoxy)methane	0.850	U	0.382	0.369	45.0	43.6	2	10.0-120	J	J	3.53	34
Bis(2-chloroethyl)ether	0.850	U	0.475	0.454	55.9	53.6	2	10.0-120	J	J	4.57	40
2,2-Oxybis(1-Chloropropane)	0.850	U	0.393	0.378	46.3	44.7	2	10.0-120	J	J	3.79	40
4-Bromophenyl-phenylether	0.850	U	0.520	0.494	61.3	58.3	2	27.0-120	J	J	5.24	30
2-Chloronaphthalene	0.850	U	0.423	0.394	49.8	46.6	2	20.0-120			7.14	32
4-Chlorophenyl-phenylether	0.850	U	0.504	0.457	59.4	53.9	2	24.0-120	J	J	9.94	29
Chrysene	0.850	U	0.560	0.552	65.9	65.2	2	21.0-120			1.43	29
Dibenz(a,h)anthracene	0.850	U	0.599	0.581	70.5	68.7	2	10.0-120			2.92	32
1,2-Dichlorobenzene	0.850	U	0.377	0.358	44.4	42.3	2	10.0-120	J	J	5.05	38
1,3-Dichlorobenzene	0.850	U	0.369	0.344	43.4	40.6	2	10.0-120	J	J	7.08	40
1,4-Dichlorobenzene	0.850	U	0.394	0.374	46.4	44.2	2	10.0-120	J	J	5.18	39
3,3-Dichlorobenzidine	1.70	U	0.948	1.03	55.8	60.8	2	10.0-120			8.58	34
2,4-Dinitrotoluene	0.850	U	0.542	0.504	63.8	59.6	2	30.0-120	J	J	7.11	31

1 Cp 2 Tc 3 Ss 4 Cn 5 Ds 6 Sr 7 Qc 8 Gl 9 Al 10 Sc

L1741921-63 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-63 06/14/24 01:07 • (MS) R4081754-3 06/14/24 01:32 • (MSD) R4081754-4 06/14/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.850	U	0.528	0.481	62.2	56.7	2	25.0-120	J	J	9.47	31
Fluoranthene	0.850	U	0.584	0.583	68.8	68.8	2	18.0-126			0.228	32
Fluorene	0.850	U	0.477	0.442	56.1	52.2	2	25.0-120			7.51	30
Hexachlorobenzene	0.850	U	0.485	0.463	57.0	54.7	2	27.0-120	J	J	4.48	28
Hexachloro-1,3-butadiene	0.850	U	0.377	0.349	44.4	41.2	2	10.0-120	J	J	7.68	38
Hexachlorocyclopentadiene	0.850	U	0.104	0.0997	12.2	11.8	2	10.0-120	J	J	3.79	40
Hexachloroethane	0.850	U	0.364	0.321	42.8	37.9	2	10.0-120	J	J	12.4	40
Indeno(1,2,3-cd)pyrene	0.850	U	0.657	0.641	77.3	75.7	2	10.0-120			2.45	32
Isophorone	0.850	U	0.389	0.377	45.8	44.5	2	13.0-120	J	J	3.12	34
Naphthalene	0.850	U	0.386	0.372	45.5	43.9	2	10.0-120			3.85	35
Nitrobenzene	0.850	U	0.357	0.360	42.0	42.5	2	10.0-120	J	J	0.741	36
n-Nitrosodimethylamine	0.850	U	0.289	0.293	34.1	34.6	2	10.0-127	J	J	1.37	40
n-Nitrosodiphenylamine	0.850	U	0.467	0.467	55.0	55.2	2	17.0-120	J	J	0.000	29
n-Nitrosodi-n-propylamine	0.850	U	0.392	0.412	46.1	48.6	2	10.0-120	J	J	4.96	37
Phenanthrene	0.850	U	0.524	0.518	61.7	61.1	2	17.0-120			1.27	31
Benzylbutyl phthalate	0.850	U	0.639	0.627	75.2	74.0	2	23.0-120	J	J	1.89	30
Bis(2-ethylhexyl)phthalate	0.850	U	0.641	0.624	75.5	73.7	2	17.0-126	J	J	2.73	30
Di-n-butyl phthalate	0.850	U	0.558	0.562	65.6	66.3	2	30.0-120	J	J	0.712	29
Diethyl phthalate	0.850	U	0.548	0.515	64.5	60.8	2	26.0-120	J	J	6.24	28
Dimethyl phthalate	0.850	U	0.500	0.471	58.9	55.6	2	25.0-120	J	J	6.01	29
Di-n-octyl phthalate	0.850	U	0.669	0.654	78.8	77.3	2	21.0-123	J	J	2.21	29
Pyrene	0.850	U	0.596	0.592	70.2	69.9	2	16.0-121			0.670	32
1,2,4-Trichlorobenzene	0.850	U	0.410	0.372	48.3	43.9	2	12.0-120	J	J	9.85	37
4-Chloro-3-methylphenol	0.850	U	0.458	0.438	53.9	51.7	2	15.0-120	J	J	4.44	30
2-Chlorophenol	0.850	U	0.455	0.449	53.6	53.0	2	15.0-120	J	J	1.47	37
2,4-Dichlorophenol	0.850	U	0.455	0.429	53.6	50.6	2	20.0-120	J	J	6.01	31
2,4-Dimethylphenol	0.850	U	0.382	0.372	45.0	43.9	2	10.0-120	J	J	2.82	33
4,6-Dinitro-2-methylphenol	0.850	U	0.450	0.495	53.0	58.5	2	10.0-120	J	J	9.55	39
2,4-Dinitrophenol	0.850	U	0.348	0.293	40.9	34.6	2	10.0-121	J	J	17.0	40
2-Nitrophenol	0.850	U	0.474	0.458	55.8	54.1	2	12.0-120	J	J	3.42	39
4-Nitrophenol	0.850	U	0.591	0.570	69.5	67.2	2	10.0-137	J	J	3.66	32
Pentachlorophenol	0.850	U	0.538	0.532	63.3	62.9	2	10.0-160	J	J	0.993	31
Phenol	0.850	U	0.442	0.443	52.0	52.4	2	12.0-120	J	J	0.300	38
2,4,6-Trichlorophenol	0.850	U	0.512	0.487	60.3	57.5	2	19.0-120	J	J	5.05	32
(S) 2-Fluorophenol					*56.1*	*57.1*		*12.0-120*				
(S) Phenol-d5					*53.6*	*55.4*		*10.0-120*				
(S) Nitrobenzene-d5					*40.0*	*40.4*		*10.0-122*				
(S) 2-Fluorobiphenyl					*50.6*	*48.9*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*57.7*	*59.0*		*10.0-127*				

L1741921-63 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-63 06/14/24 01:07 • (MS) R4081754-3 06/14/24 01:32 • (MSD) R4081754-4 06/14/24 01:56

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*66.9*	*68.0*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

Method Blank (MB)

(MB) R4081696-2 06/13/24 18:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4081696-2 06/13/24 18:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*64.7*			*12.0-120*
(S) Phenol-d5	*58.7*			*10.0-120*
(S) Nitrobenzene-d5	*58.9*			*10.0-122*
(S) 2-Fluorobiphenyl	*66.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*46.1*			*10.0-127*
(S) p-Terphenyl-d14	*69.4*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4081696-1 06/13/24 18:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.413	62.0	38.0-120	
Acenaphthylene	0.666	0.437	65.6	40.0-120	
Anthracene	0.666	0.452	67.9	42.0-120	
Benzidine	1.33	0.646	48.6	10.0-120	J
Benzo(a)anthracene	0.666	0.490	73.6	44.0-120	
Benzo(b)fluoranthene	0.666	0.457	68.6	43.0-120	
Benzo(k)fluoranthene	0.666	0.471	70.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.423	63.5	43.0-120	
Benzo(a)pyrene	0.666	0.478	71.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.323	48.5	20.0-120	J
Bis(2-chloroethyl)ether	0.666	0.381	57.2	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081696-1 06/13/24 18:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.379	56.9	23.0-120	
4-Bromophenyl-phenylether	0.666	0.346	52.0	40.0-120	
2-Chloronaphthalene	0.666	0.399	59.9	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.461	69.2	40.0-120	
Chrysene	0.666	0.489	73.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.420	63.1	44.0-120	
1,2-Dichlorobenzene	0.666	0.395	59.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.373	56.0	30.0-120	
1,4-Dichlorobenzene	0.666	0.383	57.5	31.0-120	
3,3-Dichlorobenzidine	1.33	0.836	62.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.511	76.7	45.0-120	
2,6-Dinitrotoluene	0.666	0.545	81.8	42.0-120	
Fluoranthene	0.666	0.439	65.9	44.0-120	
Fluorene	0.666	0.452	67.9	41.0-120	
Hexachlorobenzene	0.666	0.304	45.6	39.0-120	J
Hexachloro-1,3-butadiene	0.666	0.380	57.1	15.0-120	
Hexachlorocyclopentadiene	0.666	0.347	52.1	15.0-120	
Hexachloroethane	0.666	0.379	56.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.409	61.4	45.0-120	
Isophorone	0.666	0.341	51.2	23.0-120	
Naphthalene	0.666	0.335	50.3	18.0-120	
Nitrobenzene	0.666	0.338	50.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.379	56.9	10.0-125	
n-Nitrosodiphenylamine	0.666	0.403	60.5	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.393	59.0	26.0-120	
Phenanthrene	0.666	0.440	66.1	42.0-120	
Benzylbutyl phthalate	0.666	0.598	89.8	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.598	89.8	41.0-120	
Di-n-butyl phthalate	0.666	0.467	70.1	43.0-120	
Diethyl phthalate	0.666	0.510	76.6	43.0-120	
Dimethyl phthalate	0.666	0.487	73.1	43.0-120	
Di-n-octyl phthalate	0.666	0.605	90.8	40.0-120	
Pyrene	0.666	0.521	78.2	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.367	55.1	17.0-120	
4-Chloro-3-methylphenol	0.666	0.352	52.9	28.0-120	
2-Chlorophenol	0.666	0.417	62.6	28.0-120	
2,4-Dichlorophenol	0.666	0.365	54.8	25.0-120	
2,4-Dimethylphenol	0.666	0.405	60.8	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.672	101	16.0-120	
2,4-Dinitrophenol	0.666	0.680	102	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4081696-1 06/13/24 18:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.432	64.9	20.0-120	
4-Nitrophenol	0.666	0.644	96.7	27.0-120	
Pentachlorophenol	0.666	0.407	61.1	29.0-120	
Phenol	0.666	0.355	53.3	28.0-120	
2,4,6-Trichlorophenol	0.666	0.447	67.1	37.0-120	
(S) 2-Fluorophenol			*61.1*	*12.0-120*	
(S) Phenol-d5			*55.6*	*10.0-120*	
(S) Nitrobenzene-d5			*44.7*	*10.0-122*	
(S) 2-Fluorobiphenyl			*61.9*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*46.2*	*10.0-127*	
(S) p-Terphenyl-d14			*66.7*	*10.0-120*	

L1741921-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-39 06/14/24 00:13 • (MS) R4081696-3 06/14/24 00:34 • (MSD) R4081696-4 06/14/24 00:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.800	U	0.471	0.429	58.8	53.2	2	18.0-120			9.21	32
Acenaphthylene	0.800	U	0.494	0.459	61.7	56.8	2	25.0-120			7.43	32
Anthracene	0.800	U	0.534	0.571	66.8	70.7	2	22.0-120			6.62	29
Benzidine	1.60	U	0.644	0.893	40.3	55.5	2	10.0-120	J	J	32.4	40
Benzo(a)anthracene	0.800	U	0.562	0.619	70.3	76.6	2	25.0-120			9.50	29
Benzo(b)fluoranthene	0.800	U	0.526	0.581	65.7	71.9	2	19.0-122			9.92	31
Benzo(k)fluoranthene	0.800	U	0.522	0.566	65.2	70.1	2	23.0-120			8.07	30
Benzo(g,h,i)perylene	0.800	U	0.395	0.428	49.4	53.0	2	10.0-120			8.00	33
Benzo(a)pyrene	0.800	U	0.547	0.589	68.3	73.0	2	24.0-120			7.52	30
Bis(2-chlorethoxy)methane	0.800	U	0.345	0.339	43.1	42.0	2	10.0-120	J	J	1.78	34
Bis(2-chloroethyl)ether	0.800	U	0.342	0.310	42.7	38.4	2	10.0-120	J	J	9.74	40
2,2-Oxybis(1-Chloropropane)	0.800	U	0.348	0.320	43.4	39.6	2	10.0-120	J	J	8.41	40
4-Bromophenyl-phenylether	0.800	U	0.425	0.438	53.0	54.2	2	27.0-120	J	J	3.11	30
2-Chloronaphthalene	0.800	U	0.455	0.406	56.9	50.3	2	20.0-120			11.3	32
4-Chlorophenyl-phenylether	0.800	U	0.542	0.517	67.7	64.0	2	24.0-120	J	J	4.61	29
Chrysene	0.800	U	0.560	0.619	70.0	76.6	2	21.0-120			9.94	29
Dibenz(a,h)anthracene	0.800	U	0.443	0.473	55.3	58.6	2	10.0-120			6.66	32
1,2-Dichlorobenzene	0.800	U	0.353	0.327	44.1	40.5	2	10.0-120	J	J	7.54	38
1,3-Dichlorobenzene	0.800	U	0.325	0.294	40.5	36.4	2	10.0-120	J	J	9.86	40
1,4-Dichlorobenzene	0.800	U	0.329	0.312	41.2	38.7	2	10.0-120	J	J	5.32	39
3,3-Dichlorobenzidine	1.60	U	0.990	1.12	61.9	69.3	2	10.0-120			12.1	34
2,4-Dinitrotoluene	0.800	U	0.581	0.603	72.6	74.6	2	30.0-120	J	J	3.71	31

L1741921-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-39 06/14/24 00:13 • (MS) R4081696-3 06/14/24 00:34 • (MSD) R4081696-4 06/14/24 00:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.800	U	0.595	0.595	74.4	73.7	2	25.0-120	J	J	0.000	31
Fluoranthene	0.800	U	0.506	0.555	63.3	68.7	2	18.0-126			9.20	32
Fluorene	0.800	U	0.525	0.514	65.5	63.6	2	25.0-120			2.12	30
Hexachlorobenzene	0.800	U	0.354	0.382	44.2	47.3	2	27.0-120	J	J	7.63	28
Hexachloro-1,3-butadiene	0.800	U	0.410	0.366	51.2	45.3	2	10.0-120	J	J	11.3	38
Hexachlorocyclopentadiene	0.800	U	0.0611	U	7.64	5.03	2	10.0-120	J J6	J J3 J6	40.3	40
Hexachloroethane	0.800	U	0.293	0.257	36.6	31.9	2	10.0-120	J	J	12.9	40
Indeno(1,2,3-cd)pyrene	0.800	U	0.412	0.451	51.5	55.9	2	10.0-120			9.04	32
Isophorone	0.800	U	0.367	0.357	45.9	44.3	2	13.0-120	J	J	2.69	34
Naphthalene	0.800	U	0.355	0.332	44.4	41.1	2	10.0-120			6.75	35
Nitrobenzene	0.800	U	0.334	0.309	41.8	38.2	2	10.0-120	J	J	7.97	36
n-Nitrosodimethylamine	0.800	U	0.317	0.314	39.6	38.8	2	10.0-127	J	J	1.16	40
n-Nitrosodiphenylamine	0.800	U	0.481	0.504	60.1	62.4	2	17.0-120	J	J	4.71	29
n-Nitrosodi-n-propylamine	0.800	U	0.383	0.367	47.9	45.5	2	10.0-120	J	J	4.23	37
Phenanthrene	0.800	U	0.523	0.559	65.4	69.2	2	17.0-120			6.54	31
Benzylbutyl phthalate	0.800	U	0.692	0.750	86.4	92.9	2	23.0-120	J	J	8.12	30
Bis(2-ethylhexyl)phthalate	0.800	U	0.687	0.758	85.8	93.8	2	17.0-126	J	J	9.80	30
Di-n-butyl phthalate	0.800	U	0.547	0.595	68.3	73.7	2	30.0-120	J	J	8.55	29
Diethyl phthalate	0.800	U	0.577	0.586	72.1	72.5	2	26.0-120	J	J	1.47	28
Dimethyl phthalate	0.800	U	0.534	0.525	66.8	65.0	2	25.0-120	J	J	1.84	29
Di-n-octyl phthalate	0.800	U	0.709	0.778	88.6	96.4	2	21.0-123	J	J	9.35	29
Pyrene	0.800	U	0.587	0.637	73.3	78.9	2	16.0-121			8.18	32
1,2,4-Trichlorobenzene	0.800	U	0.382	0.351	47.7	43.5	2	12.0-120	J	J	8.32	37
4-Chloro-3-methylphenol	0.800	U	0.471	0.482	58.8	59.7	2	15.0-120	J	J	2.30	30
2-Chlorophenol	0.800	U	0.410	0.399	51.2	49.4	2	15.0-120	J	J	2.71	37
2,4-Dichlorophenol	0.800	U	0.470	0.455	58.7	56.3	2	20.0-120	J	J	3.17	31
2,4-Dimethylphenol	0.800	U	0.517	0.511	64.6	63.3	2	10.0-120	J	J	1.19	33
4,6-Dinitro-2-methylphenol	0.800	U	0.238	U	29.7	21.9	2	10.0-120	J	J	29.4	39
2,4-Dinitrophenol	0.800	U	0.194	U	24.2	0.000	2	10.0-121	J	J3 J6	200	40
2-Nitrophenol	0.800	U	0.423	0.399	52.9	49.4	2	12.0-120	J	J	5.93	39
4-Nitrophenol	0.800	U	0.716	0.778	89.5	96.4	2	10.0-137	J	J	8.33	32
Pentachlorophenol	0.800	U	0.550	0.591	68.8	73.1	2	10.0-160	J	J	7.06	31
Phenol	0.800	U	0.376	0.376	47.0	46.5	2	12.0-120	J	J	0.000	38
2,4,6-Trichlorophenol	0.800	U	0.580	0.554	72.4	68.6	2	19.0-120	J	J	4.52	32
(S) 2-Fluorophenol					*45.8*	*41.1*		*12.0-120*				
(S) Phenol-d5					*45.1*	*41.9*		*10.0-120*				
(S) Nitrobenzene-d5					*36.6*	*34.7*		*10.0-122*				
(S) 2-Fluorobiphenyl					*54.3*	*45.0*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*45.7*	*45.2*		*10.0-127*				

L1741921-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-39 06/14/24 00:13 • (MS) R4081696-3 06/14/24 00:34 • (MSD) R4081696-4 06/14/24 00:55

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*56.4*	*57.7*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #
P1076441

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741921
L-152

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-I2-1-1.0	Grab	SS	1.0	5/30/24	1020	3	○	○	●	●	●			-01
G/UC-I2-1-2.0	Grab	SS	2.0		1025	3	○	○	●	○	●	●		-02
G/UC-I2-1-3.0	Grab	SS	3.0		1030	4	●	●	●	○	●	○		-03
G/UC-I2-1-4.0	Grab	SS	4.0		1040	4	○	○	○	○	○	○		-04
G/UC-I2-1-5.0	Grab	SS	5.0		1045	4	●	●	○	○	○	●		-05
G/UC-I2-1-8.0	Grab	SS	8.0		1050	4	○	○	○	○	○	○		-06
G/UC-I2-1-10.0	Grab	SS	10.0		1055	4	○	○	○	○	○	●		-07

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/30/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/30/24	1630	SWA CADCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			CROBLED	05.31.24	1300		

Company Name/Address:
Roux - Oakland, CA
555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland CA.

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # AB&I

Lab Project # **ROUXOCA-CA**

Collected by (print): T. Aguayo

Site/Facility ID # —

P.O. # —

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # —

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD.			Remarks	Sample # (lab only)
G/WC-H4-1-1.0	Grab	SS	1	05/30/24	1215	3-4			X	X	X		X				-08
G/WC-H4-1-2.0		SS	2		1225	4			X		X	X	X				-09
G/WC-H4-1-3.0		SS	3		1230	4	X	X	X				X				-10
G/WC-H4-1-4.0		SS	4		1240	4							X				-11
G/WC-H4-1-5.0		SS	5		1250	4	X	X				X	X				-12
G-H3-1-1.0		SS	1		1005	2			X	X	X		X				-13
G-H3-1-2.0		SS	2		1010	4			X		X	X	X				-14
G-H3-1-3.0		SS	3		1025	4	X	X	X		X		X				-16
G-H3-1-4.0		SS	4		1035	4							X				-16
G-H3-1-5.0	↓	SS	5	↓	1040	4	X	X					X				-17

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
[signature]	05/30/24	1515.	[signature]		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
[signature]	5/30/24	16:30	SWA CARCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CROWN	05.31.24 1300	

Chain of Custody Page 2 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1241921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

5/31/24

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
Josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N___ Y_X_

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day _X_ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
UC-H1-1-1.0	Grab	SS	1.0	5/30/24	0810	3	○	○	●	●	●			-18
UC-H1-1-2.0	Grab	SS	2.0		0815	4	○	○	●	○	●	●		-19
UC-H1-1-3.0	Grab	SS	3.0		0820	4	●	●	●	○	●	○		-20
UC-H1-1-4.0	Grab	SS	4.0		0825	4	○	○	○	○	○	○		-21
UC-H1-1-5.0	Grab	SS	5.0		0830	4	●	●	○	○	○	●		-22
UC-H1-1-8.0	Grab	SS	8.0		0845	4	○	○	○	○	○	○		-23
UC-H1-1-10.0	Grab	SS	10.0		0850	4	○	○	○	○	○	●		-24

Chain of Custody Page 3 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	05/30/24	1515		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	5/30/24	16:30	SWA COURIER	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			CROCERD	05:31:24 1300

If preservation required by Login: Date/Time

Hold:

Condition: NCF OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N___ Y_X_

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day _X_ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
BS-I3-1-1.0	Grab	SS	1.0	05/30/24	1430	3	○	○	●	●	●			-25
BS-I3-1-2.0	Grab	SS	2.0		1440	4	○	○	●	○	●	●		-26
BS-I3-1-3.0	Grab	SS	3.0		1450	4	●	●	●	○	●	●		-27
BS-I3-1-4.0	Grab	SS	4.0		1500	4	○	○	○	○	○	○		-28
BS-I3-1-5.0	Grab	SS	5.0		1510	4	●	●	○	○	○	●		-29
TB-053024.	Grab	~~SS~~ W	—		1200	1						X		-30

Chain of Custody Page 9 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

	Date:	Time:		
Relinquished by : (Signature)	05/30/24	1515	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	5/30/24	16:30	Received by: (Signature) SWA CORCO	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CROZIER	Date: 05:31-24 Time: 1300

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
Josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G-H2-1-1.0	Grab	SS	1.0	05/30/24	0910	3	○	○	●	●	●			-31
G-H2-1-2.0	Grab	SS	2.0		0915	4	○	○	●	○	●	●		-32
G-H2-1-3.0	Grab	SS	3.0		0920	4	●	●	●	○	●	●		-33
G-H2-1-4.0	Grab	SS	4.0		0930	4	○	○	○	○	○	○		-34
G-H2-1-5.0	Grab	SS	5.0		0940	4	●	●	○	○	○	●		-35
		SS												

Chain of Custody Page 5 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	05/30/24	1515			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/30/24	16:30	SWA courier		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRoque	05.31.24 1300	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):
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Packed on Ice N ___ Y X

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___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-I4-1-1.0	Grab	SS	1.0	05/30/24	1320	3	○	○	●	●	●			-36
G/UC-I4-1-2.0	Grab	SS	2.0		1330	4	○	○	●	○	●	●		-37
G/UC-I4-1-3.0	Grab	SS	3.0		1340	4	●	●	●	○	●	○		-38
G/UC-I4-1-4.0	Grab	SS	4.0		1350	4	○	○	○	○	○	○		-39
G/UC-I4-1-5.0	Grab	SS	5.0		1400	4	●	●	○	○	○	●		-40
G/UC-I4-1-8.0	Grab	SS	8.0		1405	4	○	○	○	○	○	○		-41
G/UC-I4-1-10.0	Grab	SS	10.0	↓	1410	4	○	○	○	○	○	●		-42

Chain of Custody Page 2 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y N
RAD Screen <0.5 mR/hr: X __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/30/24	1515			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/30/24	16:30	FWA ESRCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CROOLD	05.31.24 1300	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day X 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Date Results Needed

Quote #
P1076441

Analysis / Container / Preservative

Chain of Custody Page 7 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
BS-I1-1-1.0	Grab	SS	1.0	5/30/24	815	2	○	○	●	●	●			-43
BS-I1-1-2.0	Grab	SS	2.0		820	3	○	○	●	○	●	●		-44
BS-I1-1-3.0	Grab	SS	3.0		825	4	●	●	●	○	●	●		-45
BS-I1-1-4.0	Grab	SS	4.0		830	4	○	○	○	○	○	○		-46
BS-I1-1-5.0	Grab	SS	5.0		835	4	●	●	○	○	○	●		-47
		SS												

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5/30/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/30/24	16:30	SUMMED		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			CRodell	05:31:24	1300		

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates, Inc.

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote # P1076441

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-I3-1-1.0	Grab	SS	1.0	5/30/24	1400	3	○	○	●	●	●			-48
G/UC-I3-1-2.0	Grab	SS	2.0		1405	4	○	○	●	○	●	●		-49
G/UC-I3-1-3.0	Grab	SS	3.0		1415	4	●	●	●	○	●	○		-50
G/UC-I3-1-4.0	Grab	SS	4.0		1420	4	○	○	○	○	○	○		-51
G/UC-I3-1-5.0	Grab	SS	5.0		1430	4	●	●	○	○	○	●		-52
G/UC-I3-1-8.0	Grab	SS	8.0		1435	4	○	○	○	○	○	○		-53
G/UC-I3-1-10.0	Grab	SS	10.0	↓	1448	4	○	○	○	○	○	●		-54
EB-053024	Geb	WW	-	5/30/24	1119	9	●	●	●			●		-55

Analysis / Container / Preservative

Chain of Custody Page 8 of 10

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # U74924

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/30/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/30/24	16:30	SWA CARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CROWLD	05.31.24 1300	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: **josborne@rouxinc.com;rmaxwell@rouxinc.com**

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # Roux Associates, Inc.

Lab Project # **ROUXOCA-CA**

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
BS-I2-1-1.0	Grab	SS	1.0	5/30/24	1300	3	○	○	●	●	●			-56
BS-I2-1-2.0	Grab	SS	2.0		1305	4	○	○	●	○	●	●		-57
BS-I2-1-3.0	Grab	SS	3.0		1315	4	●	●	●	○	●	●		-58
BS-I2-1-4.0	Grab	SS	4.0		1320	4	○	○	○	○	○	○		-59
BS-I2-1-5.0	Grab	SS	5.0	↓	1325	4	●	●	○	○	○	●		-60
		SS												

Chain of Custody Page 9 of 10

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	5/30/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/30/24	16:30	SWA CAR60		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRobero	05.31.24 1300	

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N____ Y__X__

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day __X__ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Date Results Needed

Quote #
P1076441

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-I1-1-1.0	Grab	SS	1.0	5/30/24	9153	4	○	○	●	●	●			-61
G/UC-I1-1-2.0	Grab	SS	2.0		9204	4	○	○	●	○	●	●		-62
G/UC-I1-1-3.0	Grab	SS	3.0		925	4	●	●	●	○	●	○		-63
G/UC-I1-1-4.0	Grab	SS	4.0		932	4	○	○	○	○	○	○		-64
G/UC-I1-1-5.0	Grab	SS	5.0		940	4	●	●	○	○	○	●		-65
G/UC-I1-1-8.0	Grab	SS	8.0		945	4	○	○	○	○	○	○		-66
G/UC-I1-1-10.0	Grab	SS	10.0		950	4	○	○	○	○	○	●		-67

Chain of Custody Page 10 of 14

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L741921

Table #

Acctnum: **ROUXOCA**
Template: **T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	5/30/24	1820			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/30/24	16:30	SWA CARCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRobert	05.31.24 1300	

LT41921

Tracking Numbers	Temperature
SWA	1.9+0.1=2.0 EDAL6
1	0.8+0.1=0.9 EDAL6
1	1.7+0.1=1.8 EDAL6

Name

Date

5/31-NCF-L1741921 ROUXOCA

R5

Time estimate: oh **Time spent:** oh

Members

Hailey Robertson (responsible) Jennifer Gambill

Due on *4 June 2024 8:00 AM* for target *Done*

- [ ] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [x] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Robertson *31 May 2024 5:22 PM*

Received IDs: G/BS-H1-1-1.0, G/BS-H1-1-2.0, G/BS-H1-1-3.0, G/BS-H1-1-4.0, G/BS-H1-1-5.0.

Jennifer Gambill *3 June 2024 6:40 PM*

Please log samples as requested:

G/BS-H1-1-1.0: SVOCs, CAM 17 Metals, PCBs
G/BS-H1-1-2.0: VOCs, SVOCs, CAM17 Metals, PCBs
G/BS-H1-1-3.0: VOCs, SVOCs, TPH-g/-d/-mo, CAM 17 Metals
G/BS-H1-1-4.0: Hold
G/BS-H1-1-5.0: VOCs, TPH-g/-d/-mo

Hailey Robertson *4 June 2024 12:50 PM*

Done

ANALYTICAL REPORT

October 01, 2024

Revised Report

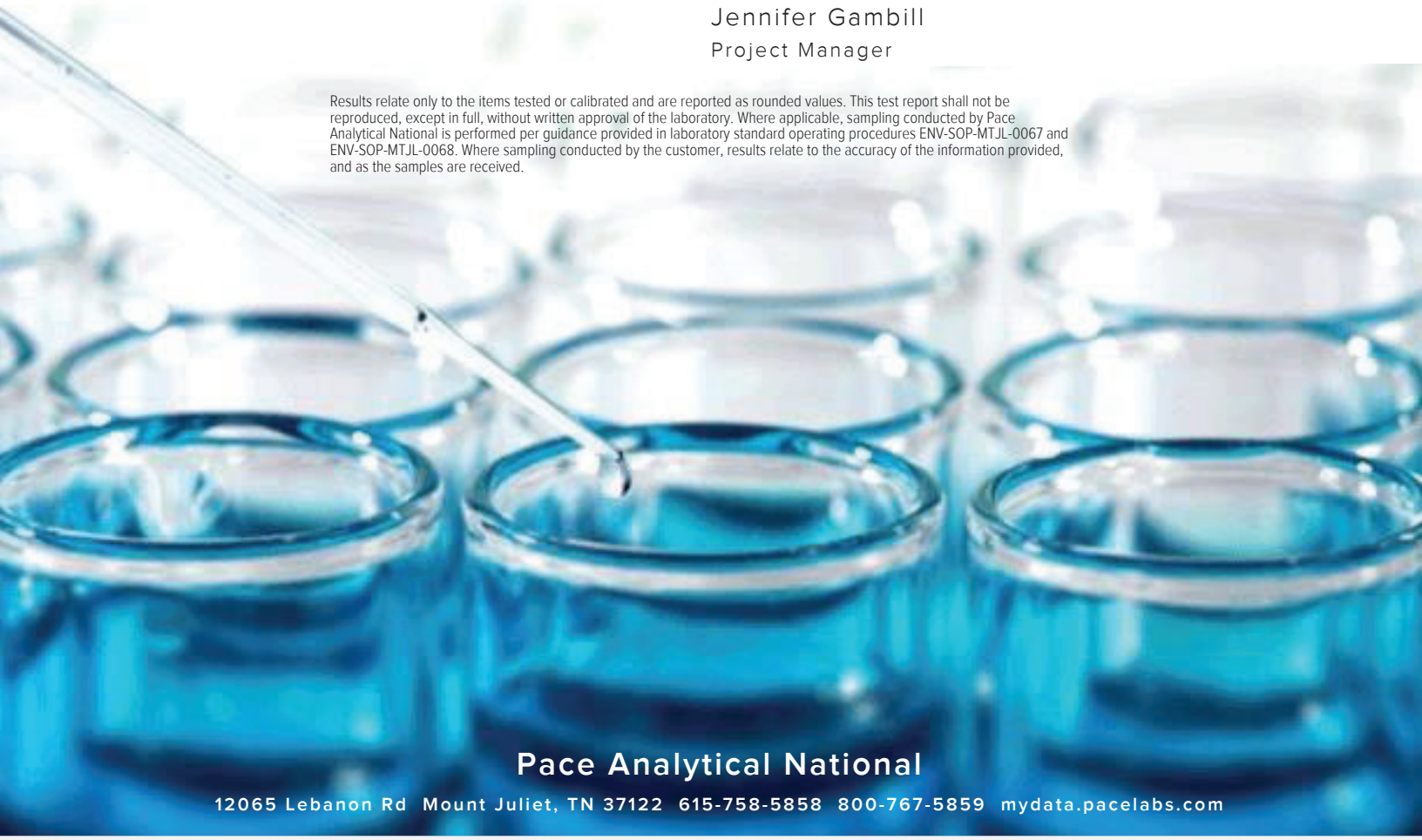
Roux - Oakland, CA

Sample Delivery Group:	L1742685
Samples Received:	05/25/2024
Project Number:	ROUX ASSOCIATES INC.
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G/UC-B4-1-1.0 L1742685-01 Solid

Collected by: D.B. | Collected date/time: 05/23/24 15:45 | Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298756	1	06/05/24 09:41	06/05/24 09:54	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2298791	1	06/08/24 17:42	06/09/24 14:15	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300474	1	06/11/24 17:33	06/12/24 12:28	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25	05/23/24 15:45	06/07/24 08:36	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	1	06/14/24 01:34	06/14/24 22:20	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 14:22	DSH	Mt. Juliet, TN

G/UC-B4-1-2.0 L1742685-02 Solid

Collected by: D.B. | Collected date/time: 05/23/24 15:50 | Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298756	1	06/05/24 09:41	06/05/24 09:54	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2298791	2	06/08/24 17:42	06/09/24 16:09	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300474	1	06/11/24 17:33	06/12/24 12:30	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300474	1	06/11/24 17:33	06/13/24 09:35	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25	05/23/24 15:50	06/07/24 08:59	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1	05/23/24 15:50	06/06/24 19:29	JHH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2304143	1	06/14/24 01:34	06/14/24 22:29	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 14:47	DSH	Mt. Juliet, TN

G/UC-B4-1-3.0 L1742685-03 Solid

Collected by: D.B. | Collected date/time: 05/23/24 16:00 | Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298756	1	06/05/24 09:41	06/05/24 09:54	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2298791	1	06/08/24 17:42	06/09/24 14:20	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300474	1	06/11/24 17:33	06/12/24 12:31	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2300474	1	06/11/24 17:33	06/13/24 09:36	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	31.3	05/23/24 16:00	06/07/24 09:22	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1.25	05/23/24 16:00	06/06/24 19:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	1	06/06/24 05:50	06/06/24 16:17	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2298678	1	06/05/24 11:12	06/06/24 16:26	DSH	Mt. Juliet, TN

G/UC-B4-1-4.0 L1742685-04 Solid

Collected by: D.B. | Collected date/time: 05/23/24 16:05 | Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2299978	1	06/07/24 15:52	06/07/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25.5	05/23/24 16:05	06/07/24 11:19	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1.25	05/23/24 16:05	06/06/24 20:08	JHH	Mt. Juliet, TN

G/UC-B4-1-5.0 L1742685-05 Solid

Collected by: D.B. | Collected date/time: 05/23/24 16:13 | Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298756	1	06/05/24 09:41	06/05/24 09:54	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	28.5	05/23/24 16:13	06/07/24 11:42	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1.08	05/23/24 16:13	06/06/24 20:27	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2299534	1	06/06/24 05:50	06/06/24 15:34	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

G/UC-B4-1-8.0 L1742685-06 Solid

Collected by: D.B.
Collected date/time: 05/23/24 16:05
Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2299978	1	06/07/24 15:52	06/07/24 16:04	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2300368	25	05/23/24 16:05	06/07/24 12:05	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1	05/23/24 16:05	06/06/24 20:47	JHH	Mt. Juliet, TN

G/UC-B4-1-10.0 L1742685-07 Solid

Collected by: D.B.
Collected date/time: 05/23/24 16:15
Received date/time: 05/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2298756	1	06/05/24 09:41	06/05/24 09:54	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2300290	1	05/23/24 16:15	06/06/24 21:06	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/24 18:24
Level II Report - Version 2: 08/16/24 10:46

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-1.0	L1742685-01	Mercury	0.0947		0.0219	0.0487	1	06/09/2024 14:15	WG2298791
G/UC-B4-1-2.0	L1742685-02	Mercury	2.33		0.0398	0.0885	2	06/09/2024 16:09	WG2298791
G/UC-B4-1-3.0	L1742685-03	Mercury	0.0294	J	0.0192	0.0427	1	06/09/2024 14:20	WG2298791

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-1.0	L1742685-01	Antimony	4.49		0.663	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Arsenic	5.67		0.631	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Barium	88.8		0.104	0.609	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Beryllium	0.299		0.0384	0.244	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Cadmium	9.40		0.0574	0.609	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Chromium	35.2		0.162	1.22	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Cobalt	2.76		0.0988	1.22	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Copper	73.4		0.487	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Lead	2240		0.253	0.609	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Molybdenum	5.05		0.133	0.609	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Nickel	19.1		0.161	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Selenium	2.34	J	0.931	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Vanadium	32.4		0.617	2.44	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-1.0	L1742685-01	Zinc	967		1.01	6.09	1	06/12/2024 12:28	WG2300474
G/UC-B4-1-2.0	L1742685-02	Antimony	11.2		0.602	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Arsenic	12.2		0.573	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Barium	271		0.0943	0.553	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Beryllium	0.350		0.0349	0.221	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Cadmium	0.216	J	0.0521	0.553	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Chromium	34.9		0.147	1.11	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Cobalt	22.6		0.0898	1.11	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Copper	131		0.443	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Lead	24.3		0.230	0.553	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Nickel	41.3		0.146	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Selenium	2.51		0.846	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Vanadium	72.3		0.560	2.21	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-2.0	L1742685-02	Zinc	93.8		0.921	5.53	1	06/12/2024 12:30	WG2300474
G/UC-B4-1-3.0	L1742685-03	Antimony	2.06	J	0.581	2.14	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Arsenic	2.09	J	0.553	2.14	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Barium	56.0		0.0910	0.534	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Beryllium	0.162	J	0.0336	0.214	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Cadmium	0.0935	J	0.0503	0.534	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Chromium	11.1		0.142	1.07	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Cobalt	7.02		0.0866	1.07	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Copper	3.85		0.427	2.14	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Lead	6.68		0.222	0.534	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Nickel	10.4		0.141	2.14	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Vanadium	23.9		0.540	2.14	1	06/12/2024 12:31	WG2300474
G/UC-B4-1-3.0	L1742685-03	Zinc	18.1		0.888	5.34	1	06/12/2024 12:31	WG2300474

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-1.0	L1742685-01	TPHG C5 - C12	8.35	T8	1.22	3.68	25	06/07/2024 08:36	WG2300368
G/UC-B4-1-3.0	L1742685-03	TPHG C5 - C12	1.28	J T8	1.17	3.51	31.3	06/07/2024 09:22	WG2300368

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-4.0	L1742685-04	TPHG C5 - C12	1.71	J T8	1.25	3.76	25.5	06/07/2024 11:19	WG2300368
G/UC-B4-1-5.0	L1742685-05	TPHG C5 - C12	1.70	J T8	1.22	3.68	28.5	06/07/2024 11:42	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-3.0	L1742685-03	Toluene	0.00234	J	0.00183	0.00701	1.25	06/06/2024 19:48	WG2300290
G/UC-B4-1-4.0	L1742685-04	Benzene	0.00121	J	0.000835	0.00179	1.25	06/06/2024 20:08	WG2300290
G/UC-B4-1-4.0	L1742685-04	Toluene	0.0113		0.00233	0.00894	1.25	06/06/2024 20:08	WG2300290
G/UC-B4-1-4.0	L1742685-04	Xylenes, Total	0.00250	J	0.00157	0.0116	1.25	06/06/2024 20:08	WG2300290
G/UC-B4-1-5.0	L1742685-05	Naphthalene	0.00701	J	0.00684	0.0175	1.08	06/06/2024 20:27	WG2300290
G/UC-B4-1-10.0	L1742685-07	Toluene	0.00268	J	0.00210	0.00807	1	06/06/2024 21:06	WG2300290

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-3.0	L1742685-03	C12-C22 Hydrocarbons	4.47		0.783	4.27	1	06/06/2024 16:17	WG2299534
G/UC-B4-1-3.0	L1742685-03	C22-C32 Hydrocarbons	25.4		1.42	4.27	1	06/06/2024 16:17	WG2299534
G/UC-B4-1-3.0	L1742685-03	C32-C40 Hydrocarbons	26.3		1.42	4.27	1	06/06/2024 16:17	WG2299534
G/UC-B4-1-5.0	L1742685-05	C12-C22 Hydrocarbons	1.42	J	0.846	4.62	1	06/06/2024 15:34	WG2299534
G/UC-B4-1-5.0	L1742685-05	C22-C32 Hydrocarbons	3.46	J	1.54	4.62	1	06/06/2024 15:34	WG2299534
G/UC-B4-1-5.0	L1742685-05	C32-C40 Hydrocarbons	2.89	J	1.54	4.62	1	06/06/2024 15:34	WG2299534

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
G/UC-B4-1-1.0	L1742685-01	Acenaphthene	0.0201	J	0.00657	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Anthracene	0.139		0.00723	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzo(a)anthracene	0.112		0.00715	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzo(b)fluoranthene	0.216		0.00757	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzo(k)fluoranthene	0.0646		0.00721	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzo(g,h,i)perylene	0.109		0.00742	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzo(a)pyrene	0.145		0.00754	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Chrysene	0.113		0.00807	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Dibenz(a,h)anthracene	0.0286	J	0.0112	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Fluoranthene	0.177		0.00732	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Fluorene	0.0797		0.00660	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Indeno(1,2,3-cd)pyrene	0.112		0.0115	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Naphthalene	0.392		0.0102	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Phenanthrene	0.174		0.00805	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Benzylbutyl phthalate	0.0358	J	0.0127	0.406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Bis(2-ethylhexyl)phthalate	0.0944	J	0.0514	0.406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Pyrene	0.164		0.00790	0.0406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	2,4-Dimethylphenol	0.189	J	0.0106	0.406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-1.0	L1742685-01	Phenol	0.301	J	0.0163	0.406	1	06/06/2024 14:22	WG2298678
G/UC-B4-1-2.0	L1742685-02	Benzo(b)fluoranthene	0.0102	J	0.00687	0.0369	1	06/06/2024 14:47	WG2298678
G/UC-B4-1-2.0	L1742685-02	Benzo(a)pyrene	0.00714	J	0.00685	0.0369	1	06/06/2024 14:47	WG2298678
G/UC-B4-1-2.0	L1742685-02	Fluoranthene	0.00738	J	0.00665	0.0369	1	06/06/2024 14:47	WG2298678
G/UC-B4-1-2.0	L1742685-02	Benzylbutyl phthalate	0.0167	J	0.0115	0.369	1	06/06/2024 14:47	WG2298678
G/UC-B4-1-2.0	L1742685-02	Pyrene	0.00833	J	0.00717	0.0369	1	06/06/2024 14:47	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	06/05/2024 09:54	WG2298756

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0947		0.0219	0.0487	1	06/09/2024 14:15	WG2298791

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	4.49		0.663	2.44	1	06/12/2024 12:28	WG2300474
Arsenic	5.67		0.631	2.44	1	06/12/2024 12:28	WG2300474
Barium	88.8		0.104	0.609	1	06/12/2024 12:28	WG2300474
Beryllium	0.299		0.0384	0.244	1	06/12/2024 12:28	WG2300474
Cadmium	9.40		0.0574	0.609	1	06/12/2024 12:28	WG2300474
Chromium	35.2		0.162	1.22	1	06/12/2024 12:28	WG2300474
Cobalt	2.76		0.0988	1.22	1	06/12/2024 12:28	WG2300474
Copper	73.4		0.487	2.44	1	06/12/2024 12:28	WG2300474
Lead	2240		0.253	0.609	1	06/12/2024 12:28	WG2300474
Molybdenum	5.05		0.133	0.609	1	06/12/2024 12:28	WG2300474
Nickel	19.1		0.161	2.44	1	06/12/2024 12:28	WG2300474
Selenium	2.34	J	0.931	2.44	1	06/12/2024 12:28	WG2300474
Silver	U		0.155	1.22	1	06/12/2024 12:28	WG2300474
Thallium	U		0.480	2.44	1	06/12/2024 12:28	WG2300474
Vanadium	32.4		0.617	2.44	1	06/12/2024 12:28	WG2300474
Zinc	967		1.01	6.09	1	06/12/2024 12:28	WG2300474

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	8.35	T8	1.22	3.68	25	06/07/2024 08:36	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*77.0-120*		*06/07/2024 08:36*	WG2300368

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0144	0.0414	1	06/14/2024 22:20	WG2304143
PCB 1221	U		0.0144	0.0414	1	06/14/2024 22:20	WG2304143
PCB 1232	U		0.0144	0.0414	1	06/14/2024 22:20	WG2304143
PCB 1242	U		0.0144	0.0414	1	06/14/2024 22:20	WG2304143
PCB 1248	U		0.00899	0.0207	1	06/14/2024 22:20	WG2304143
PCB 1254	U		0.00899	0.0207	1	06/14/2024 22:20	WG2304143
PCB 1260	U		0.00899	0.0207	1	06/14/2024 22:20	WG2304143
(S) Decachlorobiphenyl	*114*			*10.0-135*		*06/14/2024 22:20*	WG2304143
(S) Tetrachloro-m-xylene	*106*			*10.0-139*		*06/14/2024 22:20*	WG2304143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.0201	J	0.00657	0.0406	1	06/06/2024 14:22	WG2298678
Acenaphthylene	U		0.00571	0.0406	1	06/06/2024 14:22	WG2298678
Anthracene	0.139		0.00723	0.0406	1	06/06/2024 14:22	WG2298678
Benzidine	U		0.0763	2.03	1	06/06/2024 14:22	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.112		0.00715	0.0406	1	06/06/2024 14:22	WG2298678
Benzo(b)fluoranthene	0.216		0.00757	0.0406	1	06/06/2024 14:22	WG2298678
Benzo(k)fluoranthene	0.0646		0.00721	0.0406	1	06/06/2024 14:22	WG2298678
Benzo(g,h,i)perylene	0.109		0.00742	0.0406	1	06/06/2024 14:22	WG2298678
Benzo(a)pyrene	0.145		0.00754	0.0406	1	06/06/2024 14:22	WG2298678
Bis(2-chlorethoxy)methane	U		0.0122	0.406	1	06/06/2024 14:22	WG2298678
Bis(2-chloroethyl)ether	U		0.0134	0.406	1	06/06/2024 14:22	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0175	0.406	1	06/06/2024 14:22	WG2298678
4-Bromophenyl-phenylether	U		0.0143	0.406	1	06/06/2024 14:22	WG2298678
2-Chloronaphthalene	U		0.00713	0.0406	1	06/06/2024 14:22	WG2298678
4-Chlorophenyl-phenylether	U		0.0141	0.406	1	06/06/2024 14:22	WG2298678
Chrysene	0.113		0.00807	0.0406	1	06/06/2024 14:22	WG2298678
Dibenz(a,h)anthracene	0.0286	J	0.0112	0.0406	1	06/06/2024 14:22	WG2298678
1,2-Dichlorobenzene	U		0.0120	0.406	1	06/06/2024 14:22	WG2298678
1,3-Dichlorobenzene	U		0.0123	0.406	1	06/06/2024 14:22	WG2298678
1,4-Dichlorobenzene	U		0.0121	0.406	1	06/06/2024 14:22	WG2298678
3,3-Dichlorobenzidine	U		0.0150	0.406	1	06/06/2024 14:22	WG2298678
2,4-Dinitrotoluene	U		0.0116	0.406	1	06/06/2024 14:22	WG2298678
2,6-Dinitrotoluene	U		0.0133	0.406	1	06/06/2024 14:22	WG2298678
Fluoranthene	0.177		0.00732	0.0406	1	06/06/2024 14:22	WG2298678
Fluorene	0.0797		0.00660	0.0406	1	06/06/2024 14:22	WG2298678
Hexachlorobenzene	U		0.0144	0.406	1	06/06/2024 14:22	WG2298678
Hexachloro-1,3-butadiene	U		0.0136	0.406	1	06/06/2024 14:22	WG2298678
Hexachlorocyclopentadiene	U		0.0213	0.406	1	06/06/2024 14:22	WG2298678
Hexachloroethane	U		0.0160	0.406	1	06/06/2024 14:22	WG2298678
Indeno(1,2,3-cd)pyrene	0.112		0.0115	0.0406	1	06/06/2024 14:22	WG2298678
Isophorone	U		0.0124	0.406	1	06/06/2024 14:22	WG2298678
Naphthalene	0.392		0.0102	0.0406	1	06/06/2024 14:22	WG2298678
Nitrobenzene	U		0.0141	0.406	1	06/06/2024 14:22	WG2298678
n-Nitrosodimethylamine	U		0.0602	0.406	1	06/06/2024 14:22	WG2298678
n-Nitrosodiphenylamine	U		0.0307	0.406	1	06/06/2024 14:22	WG2298678
n-Nitrosodi-n-propylamine	U		0.0135	0.406	1	06/06/2024 14:22	WG2298678
Phenanthrene	0.174		0.00805	0.0406	1	06/06/2024 14:22	WG2298678
Benzylbutyl phthalate	0.0358	J	0.0127	0.406	1	06/06/2024 14:22	WG2298678
Bis(2-ethylhexyl)phthalate	0.0944	J	0.0514	0.406	1	06/06/2024 14:22	WG2298678
Di-n-butyl phthalate	U		0.0139	0.406	1	06/06/2024 14:22	WG2298678
Diethyl phthalate	U		0.0134	0.406	1	06/06/2024 14:22	WG2298678
Dimethyl phthalate	U		0.0860	0.406	1	06/06/2024 14:22	WG2298678
Di-n-octyl phthalate	U		0.0274	0.406	1	06/06/2024 14:22	WG2298678
Pyrene	0.164		0.00790	0.0406	1	06/06/2024 14:22	WG2298678
1,2,4-Trichlorobenzene	U		0.0127	0.406	1	06/06/2024 14:22	WG2298678
4-Chloro-3-methylphenol	U		0.0132	0.406	1	06/06/2024 14:22	WG2298678
2-Chlorophenol	U		0.0134	0.406	1	06/06/2024 14:22	WG2298678
2,4-Dichlorophenol	U		0.0118	0.406	1	06/06/2024 14:22	WG2298678
2,4-Dimethylphenol	0.189	J	0.0106	0.406	1	06/06/2024 14:22	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0920	0.406	1	06/06/2024 14:22	WG2298678
2,4-Dinitrophenol	U		0.0949	0.406	1	06/06/2024 14:22	WG2298678
2-Nitrophenol	U		0.0145	0.406	1	06/06/2024 14:22	WG2298678
4-Nitrophenol	U		0.0127	0.406	1	06/06/2024 14:22	WG2298678
Pentachlorophenol	U		0.0109	0.406	1	06/06/2024 14:22	WG2298678
Phenol	0.301	J	0.0163	0.406	1	06/06/2024 14:22	WG2298678
2,4,6-Trichlorophenol	U		0.0130	0.406	1	06/06/2024 14:22	WG2298678
(S) 2-Fluorophenol	*38.4*			*12.0-120*		*06/06/2024 14:22*	WG2298678
(S) Phenol-d5	*39.5*			*10.0-120*		*06/06/2024 14:22*	WG2298678
(S) Nitrobenzene-d5	*28.1*			*10.0-122*		*06/06/2024 14:22*	WG2298678
(S) 2-Fluorobiphenyl	*42.5*			*15.0-120*		*06/06/2024 14:22*	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*47.5*			*10.0-127*		*06/06/2024 14:22*	WG2298678
(S) p-Terphenyl-d14	*51.3*			*10.0-120*		*06/06/2024 14:22*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	06/05/2024 09:54	WG2298756

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	2.33		0.0398	0.0885	2	06/09/2024 16:09	WG2298791

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	11.2		0.602	2.21	1	06/12/2024 12:30	WG2300474
Arsenic	12.2		0.573	2.21	1	06/12/2024 12:30	WG2300474
Barium	271		0.0943	0.553	1	06/12/2024 12:30	WG2300474
Beryllium	0.350		0.0349	0.221	1	06/12/2024 12:30	WG2300474
Cadmium	0.216	J	0.0521	0.553	1	06/12/2024 12:30	WG2300474
Chromium	34.9		0.147	1.11	1	06/12/2024 12:30	WG2300474
Cobalt	22.6		0.0898	1.11	1	06/12/2024 12:30	WG2300474
Copper	131		0.443	2.21	1	06/12/2024 12:30	WG2300474
Lead	24.3		0.230	0.553	1	06/12/2024 12:30	WG2300474
Molybdenum	U		0.121	0.553	1	06/12/2024 12:30	WG2300474
Nickel	41.3		0.146	2.21	1	06/12/2024 12:30	WG2300474
Selenium	2.51		0.846	2.21	1	06/12/2024 12:30	WG2300474
Silver	U		0.141	1.11	1	06/13/2024 09:35	WG2300474
Thallium	U		0.436	2.21	1	06/12/2024 12:30	WG2300474
Vanadium	72.3		0.560	2.21	1	06/12/2024 12:30	WG2300474
Zinc	93.8		0.921	5.53	1	06/12/2024 12:30	WG2300474

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U	T8	1.01	3.06	25	06/07/2024 08:59	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/07/2024 08:59*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0446	0.0611	1	06/06/2024 19:29	WG2300290
Acrylonitrile	U		0.00441	0.0153	1	06/06/2024 19:29	WG2300290
Benzene	U		0.000571	0.00122	1	06/06/2024 19:29	WG2300290
Bromobenzene	U		0.00110	0.0153	1	06/06/2024 19:29	WG2300290
Bromodichloromethane	U		0.000886	0.00306	1	06/06/2024 19:29	WG2300290
Bromoform	U		0.00143	0.0306	1	06/06/2024 19:29	WG2300290
Bromomethane	U		0.00241	0.0153	1	06/06/2024 19:29	WG2300290
n-Butylbenzene	U		0.00642	0.0153	1	06/06/2024 19:29	WG2300290
sec-Butylbenzene	U		0.00352	0.0153	1	06/06/2024 19:29	WG2300290
tert-Butylbenzene	U		0.00238	0.00611	1	06/06/2024 19:29	WG2300290
Carbon tetrachloride	U		0.00110	0.00611	1	06/06/2024 19:29	WG2300290
Chlorobenzene	U		0.000257	0.00306	1	06/06/2024 19:29	WG2300290
Chlorodibromomethane	U		0.000748	0.00306	1	06/06/2024 19:29	WG2300290
Chloroethane	U		0.00208	0.00611	1	06/06/2024 19:29	WG2300290
Chloroform	U		0.00126	0.00306	1	06/06/2024 19:29	WG2300290
Chloromethane	U		0.00532	0.0153	1	06/06/2024 19:29	WG2300290
2-Chlorotoluene	U		0.00106	0.00306	1	06/06/2024 19:29	WG2300290
4-Chlorotoluene	U		0.000550	0.00611	1	06/06/2024 19:29	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00477	0.0306	1	06/06/2024 19:29	WG2300290
1,2-Dibromoethane	U		0.000792	0.00306	1	06/06/2024 19:29	WG2300290
Dibromomethane	U		0.000917	0.00611	1	06/06/2024 19:29	WG2300290
1,2-Dichlorobenzene	U		0.000519	0.00611	1	06/06/2024 19:29	WG2300290
1,3-Dichlorobenzene	U		0.000733	0.00611	1	06/06/2024 19:29	WG2300290
1,4-Dichlorobenzene	U		0.000856	0.00611	1	06/06/2024 19:29	WG2300290
Dichlorodifluoromethane	U		0.00197	0.00611	1	06/06/2024 19:29	WG2300290
1,1-Dichloroethane	U		0.000600	0.00306	1	06/06/2024 19:29	WG2300290
1,2-Dichloroethane	U		0.000793	0.00306	1	06/06/2024 19:29	WG2300290
1,1-Dichloroethene	U		0.000741	0.00306	1	06/06/2024 19:29	WG2300290
cis-1,2-Dichloroethene	U		0.000897	0.00306	1	06/06/2024 19:29	WG2300290
trans-1,2-Dichloroethene	U		0.00127	0.00611	1	06/06/2024 19:29	WG2300290
1,2-Dichloropropane	U		0.00174	0.00611	1	06/06/2024 19:29	WG2300290
1,1-Dichloropropene	U		0.000989	0.00306	1	06/06/2024 19:29	WG2300290
1,3-Dichloropropane	U		0.000612	0.00611	1	06/06/2024 19:29	WG2300290
cis-1,3-Dichloropropene	U		0.000925	0.00306	1	06/06/2024 19:29	WG2300290
trans-1,3-Dichloropropene	U		0.00139	0.00611	1	06/06/2024 19:29	WG2300290
2,2-Dichloropropane	U		0.00169	0.00306	1	06/06/2024 19:29	WG2300290
Di-isopropyl ether	U		0.000501	0.00122	1	06/06/2024 19:29	WG2300290
Ethylbenzene	U		0.000901	0.00306	1	06/06/2024 19:29	WG2300290
Hexachloro-1,3-butadiene	U		0.00733	0.0306	1	06/06/2024 19:29	WG2300290
Isopropylbenzene	U		0.000519	0.00306	1	06/06/2024 19:29	WG2300290
p-Isopropyltoluene	U		0.00312	0.00611	1	06/06/2024 19:29	WG2300290
2-Butanone (MEK)	U		0.0776	0.122	1	06/06/2024 19:29	WG2300290
Methylene Chloride	U		0.00812	0.0306	1	06/06/2024 19:29	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00279	0.0306	1	06/06/2024 19:29	WG2300290
Methyl tert-butyl ether	U		0.000428	0.00122	1	06/06/2024 19:29	WG2300290
Naphthalene	U		0.00596	0.0153	1	06/06/2024 19:29	WG2300290
n-Propylbenzene	U		0.00116	0.00611	1	06/06/2024 19:29	WG2300290
Styrene	U		0.000280	0.0153	1	06/06/2024 19:29	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00116	0.00306	1	06/06/2024 19:29	WG2300290
1,1,2,2-Tetrachloroethane	U		0.000849	0.00306	1	06/06/2024 19:29	WG2300290
1,1,2-Trichlorotrifluoroethane	U		0.000922	0.00306	1	06/06/2024 19:29	WG2300290
Tetrachloroethene	U		0.00110	0.00306	1	06/06/2024 19:29	WG2300290
Toluene	U		0.00159	0.00611	1	06/06/2024 19:29	WG2300290
1,2,3-Trichlorobenzene	U		0.00896	0.0153	1	06/06/2024 19:29	WG2300290
1,2,4-Trichlorobenzene	U		0.00538	0.0153	1	06/06/2024 19:29	WG2300290
1,1,1-Trichloroethane	U		0.00113	0.00306	1	06/06/2024 19:29	WG2300290
1,1,2-Trichloroethane	U		0.000730	0.00306	1	06/06/2024 19:29	WG2300290
Trichloroethene	U		0.000714	0.00122	1	06/06/2024 19:29	WG2300290
Trichlorofluoromethane	U		0.00101	0.00306	1	06/06/2024 19:29	WG2300290
1,2,3-Trichloropropane	U		0.00198	0.0153	1	06/06/2024 19:29	WG2300290
1,2,4-Trimethylbenzene	U		0.00193	0.00611	1	06/06/2024 19:29	WG2300290
1,2,3-Trimethylbenzene	U		0.00193	0.00611	1	06/06/2024 19:29	WG2300290
1,3,5-Trimethylbenzene	U		0.00244	0.00611	1	06/06/2024 19:29	WG2300290
Vinyl chloride	U		0.00142	0.00306	1	06/06/2024 19:29	WG2300290
Xylenes, Total	U		0.00108	0.00794	1	06/06/2024 19:29	WG2300290
(S) Toluene-d8	*101*			*75.0-131*		*06/06/2024 19:29*	WG2300290
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*06/06/2024 19:29*	WG2300290
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*		*06/06/2024 19:29*	WG2300290

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0131	0.0376	1	06/14/2024 22:29	WG2304143
PCB 1221	U		0.0131	0.0376	1	06/14/2024 22:29	WG2304143
PCB 1232	U		0.0131	0.0376	1	06/14/2024 22:29	WG2304143
PCB 1242	U		0.0131	0.0376	1	06/14/2024 22:29	WG2304143
PCB 1248	U		0.00817	0.0188	1	06/14/2024 22:29	WG2304143
PCB 1254	U		0.00817	0.0188	1	06/14/2024 22:29	WG2304143
PCB 1260	U		0.00817	0.0188	1	06/14/2024 22:29	WG2304143
(S) Decachlorobiphenyl	*71.9*			*10.0-135*		*06/14/2024 22:29*	WG2304143
(S) Tetrachloro-m-xylene	*103*			*10.0-139*		*06/14/2024 22:29*	WG2304143

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00597	0.0369	1	06/06/2024 14:47	WG2298678
Acenaphthylene	U		0.00519	0.0369	1	06/06/2024 14:47	WG2298678
Anthracene	U		0.00656	0.0369	1	06/06/2024 14:47	WG2298678
Benzidine	U		0.0693	1.85	1	06/06/2024 14:47	WG2298678
Benzo(a)anthracene	U		0.00650	0.0369	1	06/06/2024 14:47	WG2298678
Benzo(b)fluoranthene	0.0102	J	0.00687	0.0369	1	06/06/2024 14:47	WG2298678
Benzo(k)fluoranthene	U		0.00655	0.0369	1	06/06/2024 14:47	WG2298678
Benzo(g,h,i)perylene	U		0.00674	0.0369	1	06/06/2024 14:47	WG2298678
Benzo(a)pyrene	0.00714	J	0.00685	0.0369	1	06/06/2024 14:47	WG2298678
Bis(2-chlorethoxy)methane	U		0.0111	0.369	1	06/06/2024 14:47	WG2298678
Bis(2-chloroethyl)ether	U		0.0122	0.369	1	06/06/2024 14:47	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0159	0.369	1	06/06/2024 14:47	WG2298678
4-Bromophenyl-phenylether	U		0.0129	0.369	1	06/06/2024 14:47	WG2298678
2-Chloronaphthalene	U		0.00647	0.0369	1	06/06/2024 14:47	WG2298678
4-Chlorophenyl-phenylether	U		0.0128	0.369	1	06/06/2024 14:47	WG2298678
Chrysene	U		0.00733	0.0369	1	06/06/2024 14:47	WG2298678
Dibenz(a,h)anthracene	U		0.0102	0.0369	1	06/06/2024 14:47	WG2298678
1,2-Dichlorobenzene	U		0.0109	0.369	1	06/06/2024 14:47	WG2298678
1,3-Dichlorobenzene	U		0.0112	0.369	1	06/06/2024 14:47	WG2298678
1,4-Dichlorobenzene	U		0.0110	0.369	1	06/06/2024 14:47	WG2298678
3,3-Dichlorobenzidine	U		0.0136	0.369	1	06/06/2024 14:47	WG2298678
2,4-Dinitrotoluene	U		0.0106	0.369	1	06/06/2024 14:47	WG2298678
2,6-Dinitrotoluene	U		0.0121	0.369	1	06/06/2024 14:47	WG2298678
Fluoranthene	0.00738	J	0.00665	0.0369	1	06/06/2024 14:47	WG2298678
Fluorene	U		0.00600	0.0369	1	06/06/2024 14:47	WG2298678
Hexachlorobenzene	U		0.0131	0.369	1	06/06/2024 14:47	WG2298678
Hexachloro-1,3-butadiene	U		0.0124	0.369	1	06/06/2024 14:47	WG2298678
Hexachlorocyclopentadiene	U		0.0194	0.369	1	06/06/2024 14:47	WG2298678
Hexachloroethane	U		0.0145	0.369	1	06/06/2024 14:47	WG2298678
Indeno(1,2,3-cd)pyrene	U		0.0104	0.0369	1	06/06/2024 14:47	WG2298678
Isophorone	U		0.0113	0.369	1	06/06/2024 14:47	WG2298678
Naphthalene	U		0.00925	0.0369	1	06/06/2024 14:47	WG2298678
Nitrobenzene	U		0.0128	0.369	1	06/06/2024 14:47	WG2298678
n-Nitrosodimethylamine	U		0.0547	0.369	1	06/06/2024 14:47	WG2298678
n-Nitrosodiphenylamine	U		0.0279	0.369	1	06/06/2024 14:47	WG2298678
n-Nitrosodi-n-propylamine	U		0.0123	0.369	1	06/06/2024 14:47	WG2298678
Phenanthrene	U		0.00732	0.0369	1	06/06/2024 14:47	WG2298678
Benzylbutyl phthalate	0.0167	J	0.0115	0.369	1	06/06/2024 14:47	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0467	0.369	1	06/06/2024 14:47	WG2298678
Di-n-butyl phthalate	U		0.0126	0.369	1	06/06/2024 14:47	WG2298678
Diethyl phthalate	U		0.0122	0.369	1	06/06/2024 14:47	WG2298678
Dimethyl phthalate	U		0.0781	0.369	1	06/06/2024 14:47	WG2298678
Di-n-octyl phthalate	U		0.0249	0.369	1	06/06/2024 14:47	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Pyrene	0.00833	J	0.00717	0.0369	1	06/06/2024 14:47	WG2298678
1,2,4-Trichlorobenzene	U		0.0115	0.369	1	06/06/2024 14:47	WG2298678
4-Chloro-3-methylphenol	U		0.0120	0.369	1	06/06/2024 14:47	WG2298678
2-Chlorophenol	U		0.0122	0.369	1	06/06/2024 14:47	WG2298678
2,4-Dichlorophenol	U		0.0107	0.369	1	06/06/2024 14:47	WG2298678
2,4-Dimethylphenol	U		0.00963	0.369	1	06/06/2024 14:47	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0836	0.369	1	06/06/2024 14:47	WG2298678
2,4-Dinitrophenol	U		0.0862	0.369	1	06/06/2024 14:47	WG2298678
2-Nitrophenol	U		0.0132	0.369	1	06/06/2024 14:47	WG2298678
4-Nitrophenol	U		0.0115	0.369	1	06/06/2024 14:47	WG2298678
Pentachlorophenol	U		0.00992	0.369	1	06/06/2024 14:47	WG2298678
Phenol	U		0.0148	0.369	1	06/06/2024 14:47	WG2298678
2,4,6-Trichlorophenol	U		0.0118	0.369	1	06/06/2024 14:47	WG2298678
(S) 2-Fluorophenol	*69.9*			*12.0-120*		*06/06/2024 14:47*	WG2298678
(S) Phenol-d5	*64.8*			*10.0-120*		*06/06/2024 14:47*	WG2298678
(S) Nitrobenzene-d5	*53.6*			*10.0-122*		*06/06/2024 14:47*	WG2298678
(S) 2-Fluorobiphenyl	*62.7*			*15.0-120*		*06/06/2024 14:47*	WG2298678
(S) 2,4,6-Tribromophenol	*66.1*			*10.0-127*		*06/06/2024 14:47*	WG2298678
(S) p-Terphenyl-d14	*70.8*			*10.0-120*		*06/06/2024 14:47*	WG2298678

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	06/05/2024 09:54	WG2298756

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0294	J	0.0192	0.0427	1	06/09/2024 14:20	WG2298791

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	2.06	J	0.581	2.14	1	06/12/2024 12:31	WG2300474
Arsenic	2.09	J	0.553	2.14	1	06/12/2024 12:31	WG2300474
Barium	56.0		0.0910	0.534	1	06/12/2024 12:31	WG2300474
Beryllium	0.162	J	0.0336	0.214	1	06/12/2024 12:31	WG2300474
Cadmium	0.0935	J	0.0503	0.534	1	06/12/2024 12:31	WG2300474
Chromium	11.1		0.142	1.07	1	06/12/2024 12:31	WG2300474
Cobalt	7.02		0.0866	1.07	1	06/12/2024 12:31	WG2300474
Copper	3.85		0.427	2.14	1	06/12/2024 12:31	WG2300474
Lead	6.68		0.222	0.534	1	06/12/2024 12:31	WG2300474
Molybdenum	U		0.116	0.534	1	06/12/2024 12:31	WG2300474
Nickel	10.4		0.141	2.14	1	06/12/2024 12:31	WG2300474
Selenium	U		0.816	2.14	1	06/12/2024 12:31	WG2300474
Silver	U		0.136	1.07	1	06/13/2024 09:36	WG2300474
Thallium	U		0.421	2.14	1	06/12/2024 12:31	WG2300474
Vanadium	23.9		0.540	2.14	1	06/12/2024 12:31	WG2300474
Zinc	18.1		0.888	5.34	1	06/12/2024 12:31	WG2300474

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.28	J T8	1.17	3.51	31.3	06/07/2024 09:22	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*06/07/2024 09:22*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0512	0.0701	1.25	06/06/2024 19:48	WG2300290
Acrylonitrile	U		0.00506	0.0175	1.25	06/06/2024 19:48	WG2300290
Benzene	U		0.000655	0.00140	1.25	06/06/2024 19:48	WG2300290
Bromobenzene	U		0.00127	0.0175	1.25	06/06/2024 19:48	WG2300290
Bromodichloromethane	U		0.00102	0.00351	1.25	06/06/2024 19:48	WG2300290
Bromoform	U		0.00164	0.0351	1.25	06/06/2024 19:48	WG2300290
Bromomethane	U		0.00276	0.0175	1.25	06/06/2024 19:48	WG2300290
n-Butylbenzene	U		0.00736	0.0175	1.25	06/06/2024 19:48	WG2300290
sec-Butylbenzene	U		0.00404	0.0175	1.25	06/06/2024 19:48	WG2300290
tert-Butylbenzene	U		0.00274	0.00701	1.25	06/06/2024 19:48	WG2300290
Carbon tetrachloride	U		0.00126	0.00701	1.25	06/06/2024 19:48	WG2300290
Chlorobenzene	U		0.000295	0.00351	1.25	06/06/2024 19:48	WG2300290
Chlorodibromomethane	U		0.000858	0.00351	1.25	06/06/2024 19:48	WG2300290
Chloroethane	U		0.00238	0.00701	1.25	06/06/2024 19:48	WG2300290
Chloroform	U		0.00145	0.00351	1.25	06/06/2024 19:48	WG2300290
Chloromethane	U		0.00610	0.0175	1.25	06/06/2024 19:48	WG2300290
2-Chlorotoluene	U		0.00121	0.00351	1.25	06/06/2024 19:48	WG2300290
4-Chlorotoluene	U		0.000632	0.00701	1.25	06/06/2024 19:48	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00548	0.0351	1.25	06/06/2024 19:48	WG2300290
1,2-Dibromoethane	U		0.000909	0.00351	1.25	06/06/2024 19:48	WG2300290
Dibromomethane	U		0.00105	0.00701	1.25	06/06/2024 19:48	WG2300290
1,2-Dichlorobenzene	U		0.000596	0.00701	1.25	06/06/2024 19:48	WG2300290
1,3-Dichlorobenzene	U		0.000841	0.00701	1.25	06/06/2024 19:48	WG2300290
1,4-Dichlorobenzene	U		0.000982	0.00701	1.25	06/06/2024 19:48	WG2300290
Dichlorodifluoromethane	U		0.00226	0.00701	1.25	06/06/2024 19:48	WG2300290
1,1-Dichloroethane	U		0.000689	0.00351	1.25	06/06/2024 19:48	WG2300290
1,2-Dichloroethane	U		0.000910	0.00351	1.25	06/06/2024 19:48	WG2300290
1,1-Dichloroethene	U		0.000849	0.00351	1.25	06/06/2024 19:48	WG2300290
cis-1,2-Dichloroethene	U		0.00103	0.00351	1.25	06/06/2024 19:48	WG2300290
trans-1,2-Dichloroethene	U		0.00146	0.00701	1.25	06/06/2024 19:48	WG2300290
1,2-Dichloropropane	U		0.00200	0.00701	1.25	06/06/2024 19:48	WG2300290
1,1-Dichloropropene	U		0.00113	0.00351	1.25	06/06/2024 19:48	WG2300290
1,3-Dichloropropane	U		0.000702	0.00701	1.25	06/06/2024 19:48	WG2300290
cis-1,3-Dichloropropene	U		0.00106	0.00351	1.25	06/06/2024 19:48	WG2300290
trans-1,3-Dichloropropene	U		0.00160	0.00701	1.25	06/06/2024 19:48	WG2300290
2,2-Dichloropropane	U		0.00194	0.00351	1.25	06/06/2024 19:48	WG2300290
Di-isopropyl ether	U		0.000576	0.00140	1.25	06/06/2024 19:48	WG2300290
Ethylbenzene	U		0.00103	0.00351	1.25	06/06/2024 19:48	WG2300290
Hexachloro-1,3-butadiene	U		0.00841	0.0351	1.25	06/06/2024 19:48	WG2300290
Isopropylbenzene	U		0.000596	0.00351	1.25	06/06/2024 19:48	WG2300290
p-Isopropyltoluene	U		0.00358	0.00701	1.25	06/06/2024 19:48	WG2300290
2-Butanone (MEK)	U		0.0891	0.140	1.25	06/06/2024 19:48	WG2300290
Methylene Chloride	U		0.00931	0.0351	1.25	06/06/2024 19:48	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1.25	06/06/2024 19:48	WG2300290
Methyl tert-butyl ether	U		0.000491	0.00140	1.25	06/06/2024 19:48	WG2300290
Naphthalene	U		0.00684	0.0175	1.25	06/06/2024 19:48	WG2300290
n-Propylbenzene	U		0.00134	0.00701	1.25	06/06/2024 19:48	WG2300290
Styrene	U		0.000321	0.0175	1.25	06/06/2024 19:48	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00134	0.00351	1.25	06/06/2024 19:48	WG2300290
1,1,2,2-Tetrachloroethane	U		0.000975	0.00351	1.25	06/06/2024 19:48	WG2300290
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1.25	06/06/2024 19:48	WG2300290
Tetrachloroethene	U		0.00126	0.00351	1.25	06/06/2024 19:48	WG2300290
Toluene	0.00234	J	0.00183	0.00701	1.25	06/06/2024 19:48	WG2300290
1,2,3-Trichlorobenzene	U		0.0103	0.0175	1.25	06/06/2024 19:48	WG2300290
1,2,4-Trichlorobenzene	U		0.00617	0.0175	1.25	06/06/2024 19:48	WG2300290
1,1,1-Trichloroethane	U		0.00129	0.00351	1.25	06/06/2024 19:48	WG2300290
1,1,2-Trichloroethane	U		0.000837	0.00351	1.25	06/06/2024 19:48	WG2300290
Trichloroethene	U		0.000819	0.00140	1.25	06/06/2024 19:48	WG2300290
Trichlorofluoromethane	U		0.00116	0.00351	1.25	06/06/2024 19:48	WG2300290
1,2,3-Trichloropropane	U		0.00227	0.0175	1.25	06/06/2024 19:48	WG2300290
1,2,4-Trimethylbenzene	U		0.00222	0.00701	1.25	06/06/2024 19:48	WG2300290
1,2,3-Trimethylbenzene	U		0.00222	0.00701	1.25	06/06/2024 19:48	WG2300290
1,3,5-Trimethylbenzene	U		0.00280	0.00701	1.25	06/06/2024 19:48	WG2300290
Vinyl chloride	U		0.00163	0.00351	1.25	06/06/2024 19:48	WG2300290
Xylenes, Total	U		0.00123	0.00912	1.25	06/06/2024 19:48	WG2300290
(S) Toluene-d8	*100*			*75.0-131*		*06/06/2024 19:48*	WG2300290
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/06/2024 19:48*	WG2300290
(S) 1,2-Dichloroethane-d4	*85.9*			*70.0-130*		*06/06/2024 19:48*	WG2300290

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	4.47		0.783	4.27	1	06/06/2024 16:17	WG2299534
C22-C32 Hydrocarbons	25.4		1.42	4.27	1	06/06/2024 16:17	WG2299534
C32-C40 Hydrocarbons	26.3		1.42	4.27	1	06/06/2024 16:17	WG2299534
(S) o-Terphenyl	*58.4*			*18.0-148*		*06/06/2024 16:17*	WG2299534

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00575	0.0356	1	06/06/2024 16:26	WG2298678
Acenaphthylene	U		0.00501	0.0356	1	06/06/2024 16:26	WG2298678
Anthracene	U		0.00633	0.0356	1	06/06/2024 16:26	WG2298678
Benzidine	U		0.0668	1.78	1	06/06/2024 16:26	WG2298678
Benzo(a)anthracene	U		0.00627	0.0356	1	06/06/2024 16:26	WG2298678
Benzo(b)fluoranthene	U		0.00663	0.0356	1	06/06/2024 16:26	WG2298678
Benzo(k)fluoranthene	U		0.00632	0.0356	1	06/06/2024 16:26	WG2298678
Benzo(g,h,i)perylene	U		0.00650	0.0356	1	06/06/2024 16:26	WG2298678
Benzo(a)pyrene	U		0.00661	0.0356	1	06/06/2024 16:26	WG2298678
Bis(2-chlorethoxy)methane	U		0.0107	0.356	1	06/06/2024 16:26	WG2298678
Bis(2-chloroethyl)ether	U		0.0117	0.356	1	06/06/2024 16:26	WG2298678
2,2-Oxybis(1-Chloropropane)	U		0.0154	0.356	1	06/06/2024 16:26	WG2298678
4-Bromophenyl-phenylether	U		0.0125	0.356	1	06/06/2024 16:26	WG2298678
2-Chloronaphthalene	U		0.00625	0.0356	1	06/06/2024 16:26	WG2298678
4-Chlorophenyl-phenylether	U		0.0124	0.356	1	06/06/2024 16:26	WG2298678
Chrysene	U		0.00707	0.0356	1	06/06/2024 16:26	WG2298678
Dibenz(a,h)anthracene	U		0.00985	0.0356	1	06/06/2024 16:26	WG2298678
1,2-Dichlorobenzene	U		0.0105	0.356	1	06/06/2024 16:26	WG2298678
1,3-Dichlorobenzene	U		0.0108	0.356	1	06/06/2024 16:26	WG2298678
1,4-Dichlorobenzene	U		0.0106	0.356	1	06/06/2024 16:26	WG2298678
3,3-Dichlorobenzidine	U		0.0131	0.356	1	06/06/2024 16:26	WG2298678
2,4-Dinitrotoluene	U		0.0102	0.356	1	06/06/2024 16:26	WG2298678
2,6-Dinitrotoluene	U		0.0116	0.356	1	06/06/2024 16:26	WG2298678
Fluoranthene	U		0.00642	0.0356	1	06/06/2024 16:26	WG2298678
Fluorene	U		0.00579	0.0356	1	06/06/2024 16:26	WG2298678
Hexachlorobenzene	U		0.0126	0.356	1	06/06/2024 16:26	WG2298678
Hexachloro-1,3-butadiene	U		0.0120	0.356	1	06/06/2024 16:26	WG2298678
Hexachlorocyclopentadiene	U		0.0187	0.356	1	06/06/2024 16:26	WG2298678
Hexachloroethane	U		0.0140	0.356	1	06/06/2024 16:26	WG2298678
Indeno(1,2,3-cd)pyrene	U		0.0100	0.0356	1	06/06/2024 16:26	WG2298678
Isophorone	U		0.0109	0.356	1	06/06/2024 16:26	WG2298678
Naphthalene	U		0.00893	0.0356	1	06/06/2024 16:26	WG2298678
Nitrobenzene	U		0.0124	0.356	1	06/06/2024 16:26	WG2298678
n-Nitrosodimethylamine	U		0.0527	0.356	1	06/06/2024 16:26	WG2298678
n-Nitrosodiphenylamine	U		0.0269	0.356	1	06/06/2024 16:26	WG2298678
n-Nitrosodi-n-propylamine	U		0.0119	0.356	1	06/06/2024 16:26	WG2298678
Phenanthrene	U		0.00706	0.0356	1	06/06/2024 16:26	WG2298678
Benzylbutyl phthalate	U		0.0111	0.356	1	06/06/2024 16:26	WG2298678
Bis(2-ethylhexyl)phthalate	U		0.0451	0.356	1	06/06/2024 16:26	WG2298678
Di-n-butyl phthalate	U		0.0122	0.356	1	06/06/2024 16:26	WG2298678
Diethyl phthalate	U		0.0117	0.356	1	06/06/2024 16:26	WG2298678
Dimethyl phthalate	U		0.0754	0.356	1	06/06/2024 16:26	WG2298678
Di-n-octyl phthalate	U		0.0240	0.356	1	06/06/2024 16:26	WG2298678
Pyrene	U		0.00692	0.0356	1	06/06/2024 16:26	WG2298678
1,2,4-Trichlorobenzene	U		0.0111	0.356	1	06/06/2024 16:26	WG2298678
4-Chloro-3-methylphenol	U		0.0115	0.356	1	06/06/2024 16:26	WG2298678
2-Chlorophenol	U		0.0117	0.356	1	06/06/2024 16:26	WG2298678
2,4-Dichlorophenol	U		0.0104	0.356	1	06/06/2024 16:26	WG2298678

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-Dimethylphenol	U		0.00929	0.356	1	06/06/2024 16:26	WG2298678
4,6-Dinitro-2-methylphenol	U		0.0806	0.356	1	06/06/2024 16:26	WG2298678
2,4-Dinitrophenol	U		0.0832	0.356	1	06/06/2024 16:26	WG2298678
2-Nitrophenol	U		0.0127	0.356	1	06/06/2024 16:26	WG2298678
4-Nitrophenol	U		0.0111	0.356	1	06/06/2024 16:26	WG2298678
Pentachlorophenol	U		0.00957	0.356	1	06/06/2024 16:26	WG2298678
Phenol	U		0.0143	0.356	1	06/06/2024 16:26	WG2298678
2,4,6-Trichlorophenol	U		0.0114	0.356	1	06/06/2024 16:26	WG2298678
(S) 2-Fluorophenol	*59.1*			*12.0-120*		*06/06/2024 16:26*	WG2298678
(S) Phenol-d5	*56.0*			*10.0-120*		*06/06/2024 16:26*	WG2298678
(S) Nitrobenzene-d5	*45.8*			*10.0-122*		*06/06/2024 16:26*	WG2298678
(S) 2-Fluorobiphenyl	*54.5*			*15.0-120*		*06/06/2024 16:26*	WG2298678
(S) 2,4,6-Tribromophenol	*60.1*			*10.0-127*		*06/06/2024 16:26*	WG2298678
(S) p-Terphenyl-d14	*64.4*			*10.0-120*		*06/06/2024 16:26*	WG2298678

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	06/07/2024 16:04	WG2299978

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.71	J T8	1.25	3.76	25.5	06/07/2024 11:19	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/07/2024 11:19*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0652	0.0894	1.25	06/06/2024 20:08	WG2300290
Acrylonitrile	U		0.00645	0.0223	1.25	06/06/2024 20:08	WG2300290
Benzene	0.00121	J	0.000835	0.00179	1.25	06/06/2024 20:08	WG2300290
Bromobenzene	U		0.00162	0.0223	1.25	06/06/2024 20:08	WG2300290
Bromodichloromethane	U		0.00130	0.00448	1.25	06/06/2024 20:08	WG2300290
Bromoform	U		0.00209	0.0448	1.25	06/06/2024 20:08	WG2300290
Bromomethane	U		0.00352	0.0223	1.25	06/06/2024 20:08	WG2300290
n-Butylbenzene	U		0.00938	0.0223	1.25	06/06/2024 20:08	WG2300290
sec-Butylbenzene	U		0.00515	0.0223	1.25	06/06/2024 20:08	WG2300290
tert-Butylbenzene	U		0.00349	0.00894	1.25	06/06/2024 20:08	WG2300290
Carbon tetrachloride	U		0.00160	0.00894	1.25	06/06/2024 20:08	WG2300290
Chlorobenzene	U		0.000376	0.00448	1.25	06/06/2024 20:08	WG2300290
Chlorodibromomethane	U		0.00109	0.00448	1.25	06/06/2024 20:08	WG2300290
Chloroethane	U		0.00303	0.00894	1.25	06/06/2024 20:08	WG2300290
Chloroform	U		0.00185	0.00448	1.25	06/06/2024 20:08	WG2300290
Chloromethane	U		0.00778	0.0223	1.25	06/06/2024 20:08	WG2300290
2-Chlorotoluene	U		0.00155	0.00448	1.25	06/06/2024 20:08	WG2300290
4-Chlorotoluene	U		0.000805	0.00894	1.25	06/06/2024 20:08	WG2300290
1,2-Dibromo-3-Chloropropane	U		0.00698	0.0448	1.25	06/06/2024 20:08	WG2300290
1,2-Dibromoethane	U		0.00116	0.00448	1.25	06/06/2024 20:08	WG2300290
Dibromomethane	U		0.00134	0.00894	1.25	06/06/2024 20:08	WG2300290
1,2-Dichlorobenzene	U		0.000760	0.00894	1.25	06/06/2024 20:08	WG2300290
1,3-Dichlorobenzene	U		0.00107	0.00894	1.25	06/06/2024 20:08	WG2300290
1,4-Dichlorobenzene	U		0.00125	0.00894	1.25	06/06/2024 20:08	WG2300290
Dichlorodifluoromethane	U		0.00288	0.00894	1.25	06/06/2024 20:08	WG2300290
1,1-Dichloroethane	U		0.000878	0.00448	1.25	06/06/2024 20:08	WG2300290
1,2-Dichloroethane	U		0.00116	0.00448	1.25	06/06/2024 20:08	WG2300290
1,1-Dichloroethene	U		0.00108	0.00448	1.25	06/06/2024 20:08	WG2300290
cis-1,2-Dichloroethene	U		0.00131	0.00448	1.25	06/06/2024 20:08	WG2300290
trans-1,2-Dichloroethene	U		0.00186	0.00894	1.25	06/06/2024 20:08	WG2300290
1,2-Dichloropropane	U		0.00255	0.00894	1.25	06/06/2024 20:08	WG2300290
1,1-Dichloropropene	U		0.00144	0.00448	1.25	06/06/2024 20:08	WG2300290
1,3-Dichloropropane	U		0.000896	0.00894	1.25	06/06/2024 20:08	WG2300290
cis-1,3-Dichloropropene	U		0.00135	0.00448	1.25	06/06/2024 20:08	WG2300290
trans-1,3-Dichloropropene	U		0.00205	0.00894	1.25	06/06/2024 20:08	WG2300290
2,2-Dichloropropane	U		0.00247	0.00448	1.25	06/06/2024 20:08	WG2300290
Di-isopropyl ether	U		0.000734	0.00179	1.25	06/06/2024 20:08	WG2300290
Ethylbenzene	U		0.00132	0.00448	1.25	06/06/2024 20:08	WG2300290
Hexachloro-1,3-butadiene	U		0.0107	0.0448	1.25	06/06/2024 20:08	WG2300290
Isopropylbenzene	U		0.000760	0.00448	1.25	06/06/2024 20:08	WG2300290
p-Isopropyltoluene	U		0.00456	0.00894	1.25	06/06/2024 20:08	WG2300290
2-Butanone (MEK)	U		0.114	0.179	1.25	06/06/2024 20:08	WG2300290
Methylene Chloride	U		0.0119	0.0448	1.25	06/06/2024 20:08	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00408	0.0448	1.25	06/06/2024 20:08	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000627	0.00179	1.25	06/06/2024 20:08	WG2300290
Naphthalene	U		0.00873	0.0223	1.25	06/06/2024 20:08	WG2300290
n-Propylbenzene	U		0.00170	0.00894	1.25	06/06/2024 20:08	WG2300290
Styrene	U		0.000409	0.0223	1.25	06/06/2024 20:08	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00170	0.00448	1.25	06/06/2024 20:08	WG2300290
1,1,2,2-Tetrachloroethane	U		0.00124	0.00448	1.25	06/06/2024 20:08	WG2300290
1,1,2-Trichlorotrifluoroethane	U		0.00135	0.00448	1.25	06/06/2024 20:08	WG2300290
Tetrachloroethene	U		0.00160	0.00448	1.25	06/06/2024 20:08	WG2300290
Toluene	0.0113		0.00233	0.00894	1.25	06/06/2024 20:08	WG2300290
1,2,3-Trichlorobenzene	U		0.0131	0.0223	1.25	06/06/2024 20:08	WG2300290
1,2,4-Trichlorobenzene	U		0.00787	0.0223	1.25	06/06/2024 20:08	WG2300290
1,1,1-Trichloroethane	U		0.00165	0.00448	1.25	06/06/2024 20:08	WG2300290
1,1,2-Trichloroethane	U		0.00107	0.00448	1.25	06/06/2024 20:08	WG2300290
Trichloroethene	U		0.00104	0.00179	1.25	06/06/2024 20:08	WG2300290
Trichlorofluoromethane	U		0.00147	0.00448	1.25	06/06/2024 20:08	WG2300290
1,2,3-Trichloropropane	U		0.00289	0.0223	1.25	06/06/2024 20:08	WG2300290
1,2,4-Trimethylbenzene	U		0.00283	0.00894	1.25	06/06/2024 20:08	WG2300290
1,2,3-Trimethylbenzene	U		0.00283	0.00894	1.25	06/06/2024 20:08	WG2300290
1,3,5-Trimethylbenzene	U		0.00358	0.00894	1.25	06/06/2024 20:08	WG2300290
Vinyl chloride	U		0.00207	0.00448	1.25	06/06/2024 20:08	WG2300290
Xylenes, Total	0.00250	J	0.00157	0.0116	1.25	06/06/2024 20:08	WG2300290
(S) Toluene-d8	*101*			*75.0-131*		*06/06/2024 20:08*	WG2300290
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*06/06/2024 20:08*	WG2300290
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*06/06/2024 20:08*	WG2300290

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	06/05/2024 09:54	WG2298756

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.70	J T8	1.22	3.68	28.5	06/07/2024 11:42	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*06/07/2024 11:42*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0512	0.0701	1.08	06/06/2024 20:27	WG2300290
Acrylonitrile	U		0.00506	0.0175	1.08	06/06/2024 20:27	WG2300290
Benzene	U		0.000654	0.00140	1.08	06/06/2024 20:27	WG2300290
Bromobenzene	U		0.00126	0.0175	1.08	06/06/2024 20:27	WG2300290
Bromodichloromethane	U		0.00102	0.00351	1.08	06/06/2024 20:27	WG2300290
Bromoform	U		0.00164	0.0351	1.08	06/06/2024 20:27	WG2300290
Bromomethane	U		0.00277	0.0175	1.08	06/06/2024 20:27	WG2300290
n-Butylbenzene	U		0.00736	0.0175	1.08	06/06/2024 20:27	WG2300290
sec-Butylbenzene	U		0.00404	0.0175	1.08	06/06/2024 20:27	WG2300290
tert-Butylbenzene	U		0.00274	0.00701	1.08	06/06/2024 20:27	WG2300290
Carbon tetrachloride	U		0.00126	0.00701	1.08	06/06/2024 20:27	WG2300290
Chlorobenzene	U		0.000295	0.00351	1.08	06/06/2024 20:27	WG2300290
Chlorodibromomethane	U		0.000858	0.00351	1.08	06/06/2024 20:27	WG2300290
Chloroethane	U		0.00239	0.00701	1.08	06/06/2024 20:27	WG2300290
Chloroform	U		0.00144	0.00351	1.08	06/06/2024 20:27	WG2300290
Chloromethane	U		0.00610	0.0175	1.08	06/06/2024 20:27	WG2300290
2-Chlorotoluene	U		0.00121	0.00351	1.08	06/06/2024 20:27	WG2300290
4-Chlorotoluene	U		0.000631	0.00701	1.08	06/06/2024 20:27	WG2300290
1,2-Dibromo-3-Chloropropane	U		0.00547	0.0351	1.08	06/06/2024 20:27	WG2300290
1,2-Dibromoethane	U		0.000909	0.00351	1.08	06/06/2024 20:27	WG2300290
Dibromomethane	U		0.00105	0.00701	1.08	06/06/2024 20:27	WG2300290
1,2-Dichlorobenzene	U		0.000596	0.00701	1.08	06/06/2024 20:27	WG2300290
1,3-Dichlorobenzene	U		0.000841	0.00701	1.08	06/06/2024 20:27	WG2300290
1,4-Dichlorobenzene	U		0.000982	0.00701	1.08	06/06/2024 20:27	WG2300290
Dichlorodifluoromethane	U		0.00226	0.00701	1.08	06/06/2024 20:27	WG2300290
1,1-Dichloroethane	U		0.000688	0.00351	1.08	06/06/2024 20:27	WG2300290
1,2-Dichloroethane	U		0.000910	0.00351	1.08	06/06/2024 20:27	WG2300290
1,1-Dichloroethene	U		0.000849	0.00351	1.08	06/06/2024 20:27	WG2300290
cis-1,2-Dichloroethene	U		0.00103	0.00351	1.08	06/06/2024 20:27	WG2300290
trans-1,2-Dichloroethene	U		0.00145	0.00701	1.08	06/06/2024 20:27	WG2300290
1,2-Dichloropropane	U		0.00199	0.00701	1.08	06/06/2024 20:27	WG2300290
1,1-Dichloropropene	U		0.00113	0.00351	1.08	06/06/2024 20:27	WG2300290
1,3-Dichloropropane	U		0.000702	0.00701	1.08	06/06/2024 20:27	WG2300290
cis-1,3-Dichloropropene	U		0.00106	0.00351	1.08	06/06/2024 20:27	WG2300290
trans-1,3-Dichloropropene	U		0.00160	0.00701	1.08	06/06/2024 20:27	WG2300290
2,2-Dichloropropane	U		0.00193	0.00351	1.08	06/06/2024 20:27	WG2300290
Di-isopropyl ether	U		0.000575	0.00140	1.08	06/06/2024 20:27	WG2300290
Ethylbenzene	U		0.00103	0.00351	1.08	06/06/2024 20:27	WG2300290
Hexachloro-1,3-butadiene	U		0.00841	0.0351	1.08	06/06/2024 20:27	WG2300290
Isopropylbenzene	U		0.000596	0.00351	1.08	06/06/2024 20:27	WG2300290
p-Isopropyltoluene	U		0.00357	0.00701	1.08	06/06/2024 20:27	WG2300290
2-Butanone (MEK)	U		0.0891	0.140	1.08	06/06/2024 20:27	WG2300290
Methylene Chloride	U		0.00931	0.0351	1.08	06/06/2024 20:27	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00319	0.0351	1.08	06/06/2024 20:27	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000491	0.00140	1.08	06/06/2024 20:27	WG2300290
Naphthalene	0.00701	J	0.00684	0.0175	1.08	06/06/2024 20:27	WG2300290
n-Propylbenzene	U		0.00134	0.00701	1.08	06/06/2024 20:27	WG2300290
Styrene	U		0.000321	0.0175	1.08	06/06/2024 20:27	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00132	0.00351	1.08	06/06/2024 20:27	WG2300290
1,1,2,2-Tetrachloroethane	U		0.000975	0.00351	1.08	06/06/2024 20:27	WG2300290
1,1,2-Trichlorotrifluoroethane	U		0.00106	0.00351	1.08	06/06/2024 20:27	WG2300290
Tetrachloroethene	U		0.00126	0.00351	1.08	06/06/2024 20:27	WG2300290
Toluene	U		0.00182	0.00701	1.08	06/06/2024 20:27	WG2300290
1,2,3-Trichlorobenzene	U		0.0103	0.0175	1.08	06/06/2024 20:27	WG2300290
1,2,4-Trichlorobenzene	U		0.00617	0.0175	1.08	06/06/2024 20:27	WG2300290
1,1,1-Trichloroethane	U		0.00129	0.00351	1.08	06/06/2024 20:27	WG2300290
1,1,2-Trichloroethane	U		0.000837	0.00351	1.08	06/06/2024 20:27	WG2300290
Trichloroethene	U		0.000819	0.00140	1.08	06/06/2024 20:27	WG2300290
Trichlorofluoromethane	U		0.00116	0.00351	1.08	06/06/2024 20:27	WG2300290
1,2,3-Trichloropropane	U		0.00227	0.0175	1.08	06/06/2024 20:27	WG2300290
1,2,4-Trimethylbenzene	U		0.00222	0.00701	1.08	06/06/2024 20:27	WG2300290
1,2,3-Trimethylbenzene	U		0.00222	0.00701	1.08	06/06/2024 20:27	WG2300290
1,3,5-Trimethylbenzene	U		0.00280	0.00701	1.08	06/06/2024 20:27	WG2300290
Vinyl chloride	U		0.00162	0.00351	1.08	06/06/2024 20:27	WG2300290
Xylenes, Total	U		0.00123	0.00911	1.08	06/06/2024 20:27	WG2300290
(S) Toluene-d8	*98.8*			*75.0-131*		*06/06/2024 20:27*	WG2300290
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*06/06/2024 20:27*	WG2300290
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*		*06/06/2024 20:27*	WG2300290

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	1.42	J	0.846	4.62	1	06/06/2024 15:34	WG2299534
C22-C32 Hydrocarbons	3.46	J	1.54	4.62	1	06/06/2024 15:34	WG2299534
C32-C40 Hydrocarbons	2.89	J	1.54	4.62	1	06/06/2024 15:34	WG2299534
(S) o-Terphenyl	*46.5*			*18.0-148*		*06/06/2024 15:34*	WG2299534

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.2		1	06/07/2024 16:04	WG2299978

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U	T8	1.27	3.83	25	06/07/2024 12:05	WG2300368
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*06/07/2024 12:05*	WG2300368

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0559	0.0766	1	06/06/2024 20:47	WG2300290
Acrylonitrile	U		0.00553	0.0192	1	06/06/2024 20:47	WG2300290
Benzene	U		0.000716	0.00153	1	06/06/2024 20:47	WG2300290
Bromobenzene	U		0.00138	0.0192	1	06/06/2024 20:47	WG2300290
Bromodichloromethane	U		0.00111	0.00383	1	06/06/2024 20:47	WG2300290
Bromoform	U		0.00179	0.0383	1	06/06/2024 20:47	WG2300290
Bromomethane	U		0.00302	0.0192	1	06/06/2024 20:47	WG2300290
n-Butylbenzene	U		0.00804	0.0192	1	06/06/2024 20:47	WG2300290
sec-Butylbenzene	U		0.00441	0.0192	1	06/06/2024 20:47	WG2300290
tert-Butylbenzene	U		0.00299	0.00766	1	06/06/2024 20:47	WG2300290
Carbon tetrachloride	U		0.00138	0.00766	1	06/06/2024 20:47	WG2300290
Chlorobenzene	U		0.000322	0.00383	1	06/06/2024 20:47	WG2300290
Chlorodibromomethane	U		0.000938	0.00383	1	06/06/2024 20:47	WG2300290
Chloroethane	U		0.00260	0.00766	1	06/06/2024 20:47	WG2300290
Chloroform	U		0.00158	0.00383	1	06/06/2024 20:47	WG2300290
Chloromethane	U		0.00667	0.0192	1	06/06/2024 20:47	WG2300290
2-Chlorotoluene	U		0.00133	0.00383	1	06/06/2024 20:47	WG2300290
4-Chlorotoluene	U		0.000690	0.00766	1	06/06/2024 20:47	WG2300290
1,2-Dibromo-3-Chloropropane	U		0.00598	0.0383	1	06/06/2024 20:47	WG2300290
1,2-Dibromoethane	U		0.000993	0.00383	1	06/06/2024 20:47	WG2300290
Dibromomethane	U		0.00115	0.00766	1	06/06/2024 20:47	WG2300290
1,2-Dichlorobenzene	U		0.000651	0.00766	1	06/06/2024 20:47	WG2300290
1,3-Dichlorobenzene	U		0.000919	0.00766	1	06/06/2024 20:47	WG2300290
1,4-Dichlorobenzene	U		0.00107	0.00766	1	06/06/2024 20:47	WG2300290
Dichlorodifluoromethane	U		0.00247	0.00766	1	06/06/2024 20:47	WG2300290
1,1-Dichloroethane	U		0.000752	0.00383	1	06/06/2024 20:47	WG2300290
1,2-Dichloroethane	U		0.000994	0.00383	1	06/06/2024 20:47	WG2300290
1,1-Dichloroethene	U		0.000929	0.00383	1	06/06/2024 20:47	WG2300290
cis-1,2-Dichloroethene	U		0.00112	0.00383	1	06/06/2024 20:47	WG2300290
trans-1,2-Dichloroethene	U		0.00159	0.00766	1	06/06/2024 20:47	WG2300290
1,2-Dichloropropane	U		0.00218	0.00766	1	06/06/2024 20:47	WG2300290
1,1-Dichloropropene	U		0.00124	0.00383	1	06/06/2024 20:47	WG2300290
1,3-Dichloropropane	U		0.000768	0.00766	1	06/06/2024 20:47	WG2300290
cis-1,3-Dichloropropene	U		0.00116	0.00383	1	06/06/2024 20:47	WG2300290
trans-1,3-Dichloropropene	U		0.00175	0.00766	1	06/06/2024 20:47	WG2300290
2,2-Dichloropropane	U		0.00211	0.00383	1	06/06/2024 20:47	WG2300290
Di-isopropyl ether	U		0.000628	0.00153	1	06/06/2024 20:47	WG2300290
Ethylbenzene	U		0.00113	0.00383	1	06/06/2024 20:47	WG2300290
Hexachloro-1,3-butadiene	U		0.00919	0.0383	1	06/06/2024 20:47	WG2300290
Isopropylbenzene	U		0.000651	0.00383	1	06/06/2024 20:47	WG2300290
p-Isopropyltoluene	U		0.00391	0.00766	1	06/06/2024 20:47	WG2300290
2-Butanone (MEK)	U		0.0973	0.153	1	06/06/2024 20:47	WG2300290
Methylene Chloride	U		0.0102	0.0383	1	06/06/2024 20:47	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00349	0.0383	1	06/06/2024 20:47	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000536	0.00153	1	06/06/2024 20:47	WG2300290
Naphthalene	U		0.00748	0.0192	1	06/06/2024 20:47	WG2300290
n-Propylbenzene	U		0.00146	0.00766	1	06/06/2024 20:47	WG2300290
Styrene	U		0.000351	0.0192	1	06/06/2024 20:47	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00145	0.00383	1	06/06/2024 20:47	WG2300290
1,1,2,2-Tetrachloroethane	U		0.00106	0.00383	1	06/06/2024 20:47	WG2300290
1,1,2-Trichlorotrifluoroethane	U		0.00116	0.00383	1	06/06/2024 20:47	WG2300290
Tetrachloroethene	U		0.00137	0.00383	1	06/06/2024 20:47	WG2300290
Toluene	U		0.00199	0.00766	1	06/06/2024 20:47	WG2300290
1,2,3-Trichlorobenzene	U		0.0112	0.0192	1	06/06/2024 20:47	WG2300290
1,2,4-Trichlorobenzene	U		0.00674	0.0192	1	06/06/2024 20:47	WG2300290
1,1,1-Trichloroethane	U		0.00141	0.00383	1	06/06/2024 20:47	WG2300290
1,1,2-Trichloroethane	U		0.000915	0.00383	1	06/06/2024 20:47	WG2300290
Trichloroethene	U		0.000895	0.00153	1	06/06/2024 20:47	WG2300290
Trichlorofluoromethane	U		0.00127	0.00383	1	06/06/2024 20:47	WG2300290
1,2,3-Trichloropropane	U		0.00248	0.0192	1	06/06/2024 20:47	WG2300290
1,2,4-Trimethylbenzene	U		0.00242	0.00766	1	06/06/2024 20:47	WG2300290
1,2,3-Trimethylbenzene	U		0.00242	0.00766	1	06/06/2024 20:47	WG2300290
1,3,5-Trimethylbenzene	U		0.00306	0.00766	1	06/06/2024 20:47	WG2300290
Vinyl chloride	U		0.00178	0.00383	1	06/06/2024 20:47	WG2300290
Xylenes, Total	U		0.00135	0.00996	1	06/06/2024 20:47	WG2300290
(S) Toluene-d8	*102*			*75.0-131*		*06/06/2024 20:47*	WG2300290
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*06/06/2024 20:47*	WG2300290
(S) 1,2-Dichloroethane-d4	*86.4*			*70.0-130*		*06/06/2024 20:47*	WG2300290

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	06/05/2024 09:54	WG2298756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0589	0.0807	1	06/06/2024 21:06	WG2300290
Acrylonitrile	U		0.00583	0.0202	1	06/06/2024 21:06	WG2300290
Benzene	U		0.000754	0.00161	1	06/06/2024 21:06	WG2300290
Bromobenzene	U		0.00145	0.0202	1	06/06/2024 21:06	WG2300290
Bromodichloromethane	U		0.00117	0.00404	1	06/06/2024 21:06	WG2300290
Bromoform	U		0.00189	0.0404	1	06/06/2024 21:06	WG2300290
Bromomethane	U		0.00318	0.0202	1	06/06/2024 21:06	WG2300290
n-Butylbenzene	U		0.00847	0.0202	1	06/06/2024 21:06	WG2300290
sec-Butylbenzene	U		0.00465	0.0202	1	06/06/2024 21:06	WG2300290
tert-Butylbenzene	U		0.00315	0.00807	1	06/06/2024 21:06	WG2300290
Carbon tetrachloride	U		0.00145	0.00807	1	06/06/2024 21:06	WG2300290
Chlorobenzene	U		0.000339	0.00404	1	06/06/2024 21:06	WG2300290
Chlorodibromomethane	U		0.000988	0.00404	1	06/06/2024 21:06	WG2300290
Chloroethane	U		0.00274	0.00807	1	06/06/2024 21:06	WG2300290
Chloroform	U		0.00166	0.00404	1	06/06/2024 21:06	WG2300290
Chloromethane	U		0.00702	0.0202	1	06/06/2024 21:06	WG2300290
2-Chlorotoluene	U		0.00140	0.00404	1	06/06/2024 21:06	WG2300290
4-Chlorotoluene	U		0.000726	0.00807	1	06/06/2024 21:06	WG2300290
1,2-Dibromo-3-Chloropropane	U		0.00629	0.0404	1	06/06/2024 21:06	WG2300290
1,2-Dibromoethane	U		0.00105	0.00404	1	06/06/2024 21:06	WG2300290
Dibromomethane	U		0.00121	0.00807	1	06/06/2024 21:06	WG2300290
1,2-Dichlorobenzene	U		0.000686	0.00807	1	06/06/2024 21:06	WG2300290
1,3-Dichlorobenzene	U		0.000968	0.00807	1	06/06/2024 21:06	WG2300290
1,4-Dichlorobenzene	U		0.00113	0.00807	1	06/06/2024 21:06	WG2300290
Dichlorodifluoromethane	U		0.00260	0.00807	1	06/06/2024 21:06	WG2300290
1,1-Dichloroethane	U		0.000792	0.00404	1	06/06/2024 21:06	WG2300290
1,2-Dichloroethane	U		0.00105	0.00404	1	06/06/2024 21:06	WG2300290
1,1-Dichloroethene	U		0.000978	0.00404	1	06/06/2024 21:06	WG2300290
cis-1,2-Dichloroethene	U		0.00118	0.00404	1	06/06/2024 21:06	WG2300290
trans-1,2-Dichloroethene	U		0.00168	0.00807	1	06/06/2024 21:06	WG2300290
1,2-Dichloropropane	U		0.00229	0.00807	1	06/06/2024 21:06	WG2300290
1,1-Dichloropropene	U		0.00131	0.00404	1	06/06/2024 21:06	WG2300290
1,3-Dichloropropane	U		0.000809	0.00807	1	06/06/2024 21:06	WG2300290
cis-1,3-Dichloropropene	U		0.00122	0.00404	1	06/06/2024 21:06	WG2300290
trans-1,3-Dichloropropene	U		0.00184	0.00807	1	06/06/2024 21:06	WG2300290
2,2-Dichloropropane	U		0.00223	0.00404	1	06/06/2024 21:06	WG2300290
Di-isopropyl ether	U		0.000662	0.00161	1	06/06/2024 21:06	WG2300290
Ethylbenzene	U		0.00119	0.00404	1	06/06/2024 21:06	WG2300290
Hexachloro-1,3-butadiene	U		0.00968	0.0404	1	06/06/2024 21:06	WG2300290
Isopropylbenzene	U		0.000686	0.00404	1	06/06/2024 21:06	WG2300290
p-Isopropyltoluene	U		0.00412	0.00807	1	06/06/2024 21:06	WG2300290
2-Butanone (MEK)	U		0.102	0.161	1	06/06/2024 21:06	WG2300290
Methylene Chloride	U		0.0107	0.0404	1	06/06/2024 21:06	WG2300290
4-Methyl-2-pentanone (MIBK)	U		0.00368	0.0404	1	06/06/2024 21:06	WG2300290
Methyl tert-butyl ether	U		0.000565	0.00161	1	06/06/2024 21:06	WG2300290
Naphthalene	U		0.00788	0.0202	1	06/06/2024 21:06	WG2300290
n-Propylbenzene	U		0.00153	0.00807	1	06/06/2024 21:06	WG2300290
Styrene	U		0.000370	0.0202	1	06/06/2024 21:06	WG2300290
1,1,1,2-Tetrachloroethane	U		0.00153	0.00404	1	06/06/2024 21:06	WG2300290
1,1,2,2-Tetrachloroethane	U		0.00112	0.00404	1	06/06/2024 21:06	WG2300290

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.00122	0.00404	1	06/06/2024 21:06	WG2300290
Tetrachloroethene	U		0.00145	0.00404	1	06/06/2024 21:06	WG2300290
Toluene	0.00268	J	0.00210	0.00807	1	06/06/2024 21:06	WG2300290
1,2,3-Trichlorobenzene	U		0.0118	0.0202	1	06/06/2024 21:06	WG2300290
1,2,4-Trichlorobenzene	U		0.00710	0.0202	1	06/06/2024 21:06	WG2300290
1,1,1-Trichloroethane	U		0.00149	0.00404	1	06/06/2024 21:06	WG2300290
1,1,2-Trichloroethane	U		0.000964	0.00404	1	06/06/2024 21:06	WG2300290
Trichloroethene	U		0.000943	0.00161	1	06/06/2024 21:06	WG2300290
Trichlorofluoromethane	U		0.00133	0.00404	1	06/06/2024 21:06	WG2300290
1,2,3-Trichloropropane	U		0.00261	0.0202	1	06/06/2024 21:06	WG2300290
1,2,4-Trimethylbenzene	U		0.00255	0.00807	1	06/06/2024 21:06	WG2300290
1,2,3-Trimethylbenzene	U		0.00255	0.00807	1	06/06/2024 21:06	WG2300290
1,3,5-Trimethylbenzene	U		0.00323	0.00807	1	06/06/2024 21:06	WG2300290
Vinyl chloride	U		0.00187	0.00404	1	06/06/2024 21:06	WG2300290
Xylenes, Total	U		0.00142	0.0105	1	06/06/2024 21:06	WG2300290
(S) Toluene-d8	*102*			*75.0-131*		*06/06/2024 21:06*	WG2300290
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*06/06/2024 21:06*	WG2300290
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*		*06/06/2024 21:06*	WG2300290

Method Blank (MB)

(MB) R4077901-1 06/05/24 09:54

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1742685-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1742685-05 06/05/24 09:54 • (DUP) R4077901-3 06/05/24 09:54

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.6	86.1	1	0.587		10

Laboratory Control Sample (LCS)

(LCS) R4077901-2 06/05/24 09:54

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4078978-1 06/07/24 16:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1742685-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1742685-06 06/07/24 16:04 • (DUP) R4078978-3 06/07/24 16:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.2	81.2	1	1.25		10

Laboratory Control Sample (LCS)

(LCS) R4078978-2 06/07/24 16:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4079230-1 06/09/24 13:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4079230-2 06/09/24 13:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.495	98.9	80.0-120	

L1742368-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742368-02 06/09/24 13:12 • (MS) R4079230-4 06/09/24 13:17 • (MSD) R4079230-5 06/09/24 13:20

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.512	0.577	102	115	1	75.0-125			12.0	20

Method Blank (MB)

(MB) R4080795-1 06/12/24 11:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4080795-2 06/12/24 11:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	86.5	86.5	80.0-120	
Arsenic	100	87.9	87.9	80.0-120	
Barium	100	90.0	90.0	80.0-120	
Beryllium	100	88.3	88.3	80.0-120	
Cadmium	100	86.4	86.4	80.0-120	
Chromium	100	92.2	92.2	80.0-120	
Cobalt	100	84.2	84.2	80.0-120	
Copper	100	91.5	91.5	80.0-120	
Lead	100	86.9	86.9	80.0-120	
Molybdenum	100	90.5	90.5	80.0-120	
Nickel	100	84.9	84.9	80.0-120	
Selenium	100	87.3	87.3	80.0-120	
Silver	20.0	16.7	83.4	80.0-120	
Thallium	100	90.9	90.9	80.0-120	
Vanadium	100	86.7	86.7	80.0-120	
Zinc	100	87.7	87.7	80.0-120	

L1742289-67 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742289-67 06/12/24 11:46 • (MS) R4080795-5 06/12/24 11:51 • (MSD) R4080795-6 06/12/24 11:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	110	0.852	40.1	41.3	35.8	36.8	1	75.0-125	J6	J6	2.79	20
Arsenic	110	11.7	89.8	92.1	71.1	73.2	1	75.0-125	J6	J6	2.58	20
Barium	110	187	263	273	69.6	78.9	1	75.0-125	J6		3.81	20
Beryllium	110	0.602	82.2	86.5	74.3	78.2	1	75.0-125	J6		5.14	20
Cadmium	110	0.301	80.9	83.4	73.4	75.6	1	75.0-125	J6		2.94	20
Chromium	110	58.9	132	137	66.9	71.0	1	75.0-125	J6	J6	3.31	20
Cobalt	110	27.1	93.3	98.3	60.3	64.8	1	75.0-125	J6	J6	5.16	20
Copper	110	37.8	118	121	73.0	75.5	1	75.0-125	J6		2.31	20
Lead	110	14.1	94.6	97.1	73.3	75.5	1	75.0-125	J6		2.58	20
Molybdenum	110	1.09	79.5	82.1	71.4	73.8	1	75.0-125	J6	J6	3.24	20
Nickel	110	68.1	128	130	54.8	56.5	1	75.0-125	J6	J6	1.44	20
Selenium	110	0.954	88.0	91.0	79.3	82.0	1	75.0-125			3.29	20
Silver	22.0	U	9.89	10.5	45.0	47.7	1	75.0-125	J6	J6	5.71	20
Thallium	110	U	86.3	89.6	78.6	81.5	1	75.0-125			3.66	20
Vanadium	110	62.5	136	143	66.7	73.1	1	75.0-125	J6	J6	5.06	20
Zinc	110	75.3	148	150	66.4	68.0	1	75.0-125	J6	J6	1.20	20

Method Blank (MB)

(MB) R4078688-5 06/07/24 03:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078688-1 06/06/24 22:36 • (LCSD) R4078688-2 06/06/24 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	5.00	4.55	4.18	91.0	83.6	72.0-125			8.48	20
(S) a,a,a-Trifluorotoluene(FID)				*100*	*98.2*	*77.0-120*				

L1740668-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-12 06/07/24 08:13 • (MS) R4078688-6 06/07/24 13:37 • (MSD) R4078688-7 06/07/24 14:00

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C5 - C12	151	1.52	154	170	101	112	25	10.0-141			9.81	29
(S) a,a,a-Trifluorotoluene(FID)					*102*	*104*		*77.0-120*				

Method Blank (MB)

(MB) R4078474-3 06/06/24 19:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4078474-3 06/06/24 19:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*86.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078474-1 06/06/24 17:51 • (LCSD) R4078474-2 06/06/24 18:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.561	0.578	89.8	92.5	10.0-160			2.99	31
Acrylonitrile	0.625	0.643	0.668	103	107	45.0-153			3.81	22
Benzene	0.125	0.134	0.131	107	105	70.0-123			2.26	20
Bromobenzene	0.125	0.132	0.130	106	104	73.0-121			1.53	20
Bromodichloromethane	0.125	0.131	0.126	105	101	73.0-121			3.89	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078474-1 06/06/24 17:51 • (LCSD) R4078474-2 06/06/24 18:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.121	0.129	96.8	103	64.0-132			6.40	20
Bromomethane	0.125	0.104	0.101	83.2	80.8	56.0-147			2.93	20
n-Butylbenzene	0.125	0.154	0.148	123	118	68.0-135			3.97	20
sec-Butylbenzene	0.125	0.139	0.139	111	111	74.0-130			0.000	20
tert-Butylbenzene	0.125	0.139	0.134	111	107	75.0-127			3.66	20
Carbon tetrachloride	0.125	0.145	0.144	116	115	66.0-128			0.692	20
Chlorobenzene	0.125	0.139	0.140	111	112	76.0-128			0.717	20
Chlorodibromomethane	0.125	0.141	0.133	113	106	74.0-127			5.84	20
Chloroethane	0.125	0.123	0.118	98.4	94.4	61.0-134			4.15	20
Chloroform	0.125	0.134	0.133	107	106	72.0-123			0.749	20
Chloromethane	0.125	0.132	0.129	106	103	51.0-138			2.30	20
2-Chlorotoluene	0.125	0.140	0.136	112	109	75.0-124			2.90	20
4-Chlorotoluene	0.125	0.128	0.123	102	98.4	75.0-124			3.98	20
1,2-Dibromo-3-Chloropropane	0.125	0.106	0.106	84.8	84.8	59.0-130			0.000	20
1,2-Dibromoethane	0.125	0.137	0.134	110	107	74.0-128			2.21	20
Dibromomethane	0.125	0.138	0.139	110	111	75.0-122			0.722	20
1,2-Dichlorobenzene	0.125	0.138	0.134	110	107	76.0-124			2.94	20
1,3-Dichlorobenzene	0.125	0.141	0.137	113	110	76.0-125			2.88	20
1,4-Dichlorobenzene	0.125	0.136	0.134	109	107	77.0-121			1.48	20
Dichlorodifluoromethane	0.125	0.137	0.136	110	109	43.0-156			0.733	20
1,1-Dichloroethane	0.125	0.133	0.134	106	107	70.0-127			0.749	20
1,2-Dichloroethane	0.125	0.125	0.121	100	96.8	65.0-131			3.25	20
1,1-Dichloroethene	0.125	0.137	0.135	110	108	65.0-131			1.47	20
cis-1,2-Dichloroethene	0.125	0.146	0.141	117	113	73.0-125			3.48	20
trans-1,2-Dichloroethene	0.125	0.143	0.141	114	113	71.0-125			1.41	20
1,2-Dichloropropane	0.125	0.130	0.131	104	105	74.0-125			0.766	20
1,1-Dichloropropene	0.125	0.140	0.137	112	110	73.0-125			2.17	20
1,3-Dichloropropane	0.125	0.138	0.134	110	107	80.0-125			2.94	20
cis-1,3-Dichloropropene	0.125	0.135	0.132	108	106	76.0-127			2.25	20
trans-1,3-Dichloropropene	0.125	0.138	0.131	110	105	73.0-127			5.20	20
2,2-Dichloropropane	0.125	0.130	0.127	104	102	59.0-135			2.33	20
Di-isopropyl ether	0.125	0.128	0.131	102	105	60.0-136			2.32	20
Ethylbenzene	0.125	0.143	0.143	114	114	74.0-126			0.000	20
Hexachloro-1,3-butadiene	0.125	0.151	0.143	121	114	57.0-150			5.44	20
Isopropylbenzene	0.125	0.146	0.145	117	116	72.0-127			0.687	20
p-Isopropyltoluene	0.125	0.144	0.144	115	115	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.714	0.722	114	116	30.0-160			1.11	24
Methylene Chloride	0.125	0.138	0.138	110	110	68.0-123			0.000	20
4-Methyl-2-pentanone (MIBK)	0.625	0.614	0.620	98.2	99.2	56.0-143			0.972	20
Methyl tert-butyl ether	0.125	0.135	0.135	108	108	66.0-132			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078474-1 06/06/24 17:51 • (LCSD) R4078474-2 06/06/24 18:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.144	0.151	115	121	59.0-130			4.75	20
n-Propylbenzene	0.125	0.134	0.131	107	105	74.0-126			2.26	20
Styrene	0.125	0.145	0.141	116	113	72.0-127			2.80	20
1,1,1,2-Tetrachloroethane	0.125	0.140	0.141	112	113	74.0-129			0.712	20
1,1,2,2-Tetrachloroethane	0.125	0.112	0.107	89.6	85.6	68.0-128			4.57	20
1,1,2-Trichlorotrifluoroethane	0.125	0.151	0.145	121	116	61.0-139			4.05	20
Tetrachloroethene	0.125	0.159	0.152	127	122	70.0-136			4.50	20
Toluene	0.125	0.137	0.131	110	105	75.0-121			4.48	20
1,2,3-Trichlorobenzene	0.125	0.156	0.154	125	123	59.0-139			1.29	20
1,2,4-Trichlorobenzene	0.125	0.156	0.151	125	121	62.0-137			3.26	20
1,1,1-Trichloroethane	0.125	0.149	0.148	119	118	69.0-126			0.673	20
1,1,2-Trichloroethane	0.125	0.136	0.138	109	110	78.0-123			1.46	20
Trichloroethene	0.125	0.134	0.135	107	108	76.0-126			0.743	20
Trichlorofluoromethane	0.125	0.147	0.146	118	117	61.0-142			0.683	20
1,2,3-Trichloropropane	0.125	0.126	0.130	101	104	67.0-129			3.12	20
1,2,4-Trimethylbenzene	0.125	0.141	0.138	113	110	70.0-126			2.15	20
1,2,3-Trimethylbenzene	0.125	0.134	0.133	107	106	74.0-124			0.749	20
1,3,5-Trimethylbenzene	0.125	0.139	0.139	111	111	73.0-127			0.000	20
Vinyl chloride	0.125	0.130	0.125	104	100	63.0-134			3.92	20
Xylenes, Total	0.375	0.423	0.418	113	111	72.0-127			1.19	20
(S) Toluene-d8				*99.4*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*92.9*	*94.5*	*70.0-130*				

Method Blank (MB)

(MB) R4078216-1 06/06/24 13:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*92.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4078216-2 06/06/24 14:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	22.2	88.8	50.0-150	
C22-C32 Hydrocarbons	25.0	17.9	71.6	50.0-150	
(S) o-Terphenyl			*67.9*	*18.0-148*	

L1739342-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1739342-28 06/06/24 19:28 • (MS) R4078216-3 06/06/24 19:42 • (MSD) R4078216-4 06/06/24 19:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	24.8	U	U	U	0.000	0.000	100	50.0-150	J6	J6	0.000	20
C22-C32 Hydrocarbons	24.8	1060	983	1000	0.000	0.000	100	50.0-150	V	V	2.16	20
(S) o-Terphenyl					*90.3*	*88.6*		*18.0-148*	J7	J7		

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R4082843-1 06/14/24 20:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*117*			*10.0-135*
(S) Tetrachloro-m-xylene	*117*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4082843-2 06/14/24 20:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.206	123	36.0-141	
PCB 1260	0.167	0.219	131	37.0-145	
(S) Decachlorobiphenyl			*126*	*10.0-135*	
(S) Tetrachloro-m-xylene			*123*	*10.0-139*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/14/24 21:24 • (MS) R4082843-3 06/14/24 21:33 • (MSD) R4082843-4 06/14/24 21:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.201	U	0.588	0.389	293	195	1	10.0-160	J5 P	J3 J5 P	40.6	37
PCB 1260	0.201	U	0.156	0.190	77.6	95.1	1	10.0-160	P	P	19.7	38
(S) Decachlorobiphenyl					*83.8*	*79.7*		*10.0-135*				
(S) Tetrachloro-m-xylene					*86.2*	*75.0*		*10.0-139*				

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4078735-2 06/06/24 10:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*60.5*			*12.0-120*
(S) Phenol-d5	*57.5*			*10.0-120*
(S) Nitrobenzene-d5	*46.8*			*10.0-122*
(S) 2-Fluorobiphenyl	*54.7*			*15.0-120*
(S) 2,4,6-Tribromophenol	*48.6*			*10.0-127*
(S) p-Terphenyl-d14	*64.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.460	69.1	38.0-120	
Acenaphthylene	0.666	0.505	75.8	40.0-120	
Anthracene	0.666	0.520	78.1	42.0-120	
Benzidine	1.33	0.244	18.3	10.0-120	J
Benzo(a)anthracene	0.666	0.553	83.0	44.0-120	
Benzo(b)fluoranthene	0.666	0.511	76.7	43.0-120	
Benzo(k)fluoranthene	0.666	0.491	73.7	44.0-120	
Benzo(g,h,i)perylene	0.666	0.573	86.0	43.0-120	
Benzo(a)pyrene	0.666	0.538	80.8	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.359	53.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.425	63.8	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.429	64.4	23.0-120	
4-Bromophenyl-phenylether	0.666	0.511	76.7	40.0-120	
2-Chloronaphthalene	0.666	0.436	65.5	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.498	74.8	40.0-120	
Chrysene	0.666	0.514	77.2	43.0-120	
Dibenz(a,h)anthracene	0.666	0.596	89.5	44.0-120	
1,2-Dichlorobenzene	0.666	0.435	65.3	32.0-120	
1,3-Dichlorobenzene	0.666	0.428	64.3	30.0-120	
1,4-Dichlorobenzene	0.666	0.454	68.2	31.0-120	
3,3-Dichlorobenzidine	1.33	0.917	68.9	28.0-120	
2,4-Dinitrotoluene	0.666	0.523	78.5	45.0-120	
2,6-Dinitrotoluene	0.666	0.524	78.7	42.0-120	
Fluoranthene	0.666	0.522	78.4	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.480	72.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.375	56.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.373	56.0	15.0-120	
Hexachloroethane	0.666	0.427	64.1	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.640	96.1	45.0-120	
Isophorone	0.666	0.369	55.4	23.0-120	
Naphthalene	0.666	0.379	56.9	18.0-120	
Nitrobenzene	0.666	0.347	52.1	17.0-120	
n-Nitrosodimethylamine	0.666	0.338	50.8	10.0-125	
n-Nitrosodiphenylamine	0.666	0.458	68.8	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.428	64.3	26.0-120	
Phenanthrene	0.666	0.491	73.7	42.0-120	
Benzylbutyl phthalate	0.666	0.559	83.9	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.567	85.1	41.0-120	
Di-n-butyl phthalate	0.666	0.508	76.3	43.0-120	
Diethyl phthalate	0.666	0.522	78.4	43.0-120	
Dimethyl phthalate	0.666	0.498	74.8	43.0-120	
Di-n-octyl phthalate	0.666	0.561	84.2	40.0-120	
Pyrene	0.666	0.531	79.7	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.391	58.7	17.0-120	
4-Chloro-3-methylphenol	0.666	0.408	61.3	28.0-120	
2-Chlorophenol	0.666	0.469	70.4	28.0-120	
2,4-Dichlorophenol	0.666	0.413	62.0	25.0-120	
2,4-Dimethylphenol	0.666	0.366	55.0	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.626	94.0	16.0-120	
2,4-Dinitrophenol	0.666	0.434	65.2	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4078735-1 06/06/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.443	66.5	20.0-120	
4-Nitrophenol	0.666	0.515	77.3	27.0-120	
Pentachlorophenol	0.666	0.351	52.7	29.0-120	
Phenol	0.666	0.450	67.6	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*76.9*	*12.0-120*	
(S) Phenol-d5			*71.0*	*10.0-120*	
(S) Nitrobenzene-d5			*48.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*69.7*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*67.7*	*10.0-127*	
(S) p-Terphenyl-d14			*78.4*	*10.0-120*	

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.798	0.00660	0.428	0.393	52.8	48.4	1	18.0-120			8.59	32
Acenaphthylene	0.798	U	0.437	0.417	54.7	52.3	1	25.0-120			4.56	32
Anthracene	0.798	0.00737	0.515	0.442	63.6	54.4	1	22.0-120			15.3	29
Benzidine	1.59	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Benzo(a)anthracene	0.798	0.129	0.745	0.535	77.1	50.9	1	25.0-120		J3	32.7	29
Benzo(b)fluoranthene	0.798	0.206	0.829	0.529	78.0	40.5	1	19.0-122		J3	44.1	31
Benzo(k)fluoranthene	0.798	0.0623	0.579	0.438	64.8	47.1	1	23.0-120			27.8	30
Benzo(g,h,i)perylene	0.798	0.118	0.688	0.482	71.4	45.6	1	10.0-120		J3	35.2	33
Benzo(a)pyrene	0.798	0.151	0.762	0.521	76.5	46.3	1	24.0-120		J3	37.6	30
Bis(2-chlorethoxy)methane	0.798	U	0.224	0.262	28.0	32.8	1	10.0-120	J	J	15.5	34
Bis(2-chloroethyl)ether	0.798	U	0.273	0.313	34.1	39.2	1	10.0-120	J	J	13.7	40
2,2-Oxybis(1-Chloropropane)	0.798	U	0.235	0.307	29.4	38.4	1	10.0-120	J	J	26.5	40
4-Bromophenyl-phenylether	0.798	U	0.511	0.486	64.0	60.8	1	27.0-120			5.13	30
2-Chloronaphthalene	0.798	U	0.360	0.346	45.1	43.3	1	20.0-120			4.14	32
4-Chlorophenyl-phenylether	0.798	U	0.481	0.447	60.2	55.9	1	24.0-120			7.35	29
Chrysene	0.798	0.193	0.819	0.554	78.4	45.1	1	21.0-120		J3	38.7	29
Dibenz(a,h)anthracene	0.798	0.0340	0.570	0.459	67.1	53.2	1	10.0-120			21.5	32
1,2-Dichlorobenzene	0.798	U	0.231	0.291	29.0	36.4	1	10.0-120	J	J	22.8	38
1,3-Dichlorobenzene	0.798	U	0.221	0.285	27.7	35.7	1	10.0-120	J	J	25.0	40
1,4-Dichlorobenzene	0.798	U	0.245	0.315	30.6	39.5	1	10.0-120	J	J	25.2	39
3,3-Dichlorobenzidine	1.59	U	0.773	0.773	48.5	48.5	1	10.0-120			0.000	34
2,4-Dinitrotoluene	0.798	U	0.427	0.454	53.5	56.9	1	30.0-120			6.08	31

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.798	U	0.421	0.427	52.7	53.5	1	25.0-120			1.43	31
Fluoranthene	0.798	0.119	0.717	0.538	74.9	52.5	1	18.0-126			28.5	32
Fluorene	0.798	0.00824	0.461	0.419	56.7	51.4	1	25.0-120			9.68	30
Hexachlorobenzene	0.798	U	0.484	0.426	60.7	53.4	1	27.0-120			12.8	28
Hexachloro-1,3-butadiene	0.798	U	0.254	0.288	31.9	36.1	1	10.0-120	J	J	12.6	38
Hexachlorocyclopentadiene	0.798	U	0.0301	0.0651	3.77	8.16	1	10.0-120	J J6	J J3 J6	73.7	40
Hexachloroethane	0.798	U	0.214	0.305	26.8	38.3	1	10.0-120	J	J	35.1	40
Indeno(1,2,3-cd)pyrene	0.798	0.129	0.793	0.566	83.2	54.7	1	10.0-120		J3	33.5	32
Isophorone	0.798	U	0.236	0.273	29.6	34.1	1	13.0-120	J	J	14.4	34
Naphthalene	0.798	0.0107	0.260	0.291	31.3	35.1	1	10.0-120			11.0	35
Nitrobenzene	0.798	U	0.191	0.248	23.9	31.1	1	10.0-120	J	J	26.0	36
n-Nitrosodimethylamine	0.798	U	0.163	0.212	20.4	26.5	1	10.0-127	J	J	26.0	40
n-Nitrosodiphenylamine	0.798	U	0.462	0.420	57.9	52.6	1	17.0-120			9.66	29
n-Nitrosodi-n-propylamine	0.798	U	0.248	0.293	31.1	36.7	1	10.0-120	J	J	16.6	37
Phenanthrene	0.798	0.0555	0.571	0.467	64.5	51.6	1	17.0-120			19.9	31
Benzylbutyl phthalate	0.798	U	0.534	0.471	66.9	59.0	1	23.0-120			12.6	30
Bis(2-ethylhexyl)phthalate	0.798	0.103	0.664	0.540	70.4	54.8	1	17.0-126			20.6	30
Di-n-butyl phthalate	0.798	U	0.495	0.443	62.0	55.5	1	30.0-120			11.2	29
Diethyl phthalate	0.798	U	0.493	0.469	61.7	58.7	1	26.0-120			5.06	28
Dimethyl phthalate	0.798	U	0.428	0.405	53.7	50.8	1	25.0-120		J	5.55	29
Di-n-octyl phthalate	0.798	U	0.540	0.504	67.7	63.1	1	21.0-123			6.99	29
Pyrene	0.798	0.153	0.744	0.537	73.9	48.0	1	16.0-121		J3	32.3	32
1,2,4-Trichlorobenzene	0.798	U	0.269	0.296	33.7	37.0	1	12.0-120	J	J	9.48	37
4-Chloro-3-methylphenol	0.798	U	0.406	0.359	50.9	45.0	1	15.0-120		J	12.4	30
2-Chlorophenol	0.798	U	0.269	0.330	33.7	41.3	1	15.0-120	J	J	20.3	37
2,4-Dichlorophenol	0.798	U	0.336	0.341	42.1	42.7	1	20.0-120	J	J	1.44	31
2,4-Dimethylphenol	0.798	U	0.302	0.305	37.8	38.3	1	10.0-120	J	J	1.20	33
4,6-Dinitro-2-methylphenol	0.798	U	0.523	0.494	65.5	61.9	1	10.0-120			5.74	39
2,4-Dinitrophenol	0.798	U	0.451	0.372	56.6	46.6	1	10.0-121		J	19.2	40
2-Nitrophenol	0.798	U	0.262	0.330	32.8	41.3	1	12.0-120	J	J	23.0	39
4-Nitrophenol	0.798	U	0.511	0.483	64.0	60.5	1	10.0-137			5.63	32
Pentachlorophenol	0.798	U	0.409	0.341	51.2	42.7	1	10.0-160		J	18.2	31
Phenol	0.798	U	0.277	0.333	34.8	41.8	1	12.0-120	J	J	18.3	38
2,4,6-Trichlorophenol	0.798	U	0.432	0.411	54.1	51.5	1	19.0-120			4.91	32
(S) 2-Fluorophenol					*34.5*	*43.7*		*12.0-120*				
(S) Phenol-d5					*37.2*	*43.9*		*10.0-120*				
(S) Nitrobenzene-d5					*22.8*	*30.5*		*10.0-122*				
(S) 2-Fluorobiphenyl					*45.1*	*44.8*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*59.5*	*54.1*		*10.0-127*				

L1740668-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740668-22 06/06/24 12:42 • (MS) R4078735-3 06/06/24 13:07 • (MSD) R4078735-4 06/06/24 13:32

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) p-Terphenyl-d14					*59.8*	*54.0*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA
555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street.
Suite 250
Oakland, CA 94607

Pres Chk

Report to: Josh Osborne

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: (PT) MT CT ET

Phone: 415-967-6000

Client Project # Roux Associates Inc

Lab Project # ROUXOCA-CA

Collected by (print): Dylan B

Site/Facility ID # ABI Foundry

P.O. # 1793,0030S000

Collected by (signature):

Rush? (Lab MUST Be Notified)
___Same Day ___Five Day
___Next Day ___5 Day (Rad Only)
___Two Day ___10 Day (Rad Only)
___Three Day

Quote # P1076441

Date Results Needed

Immediately Packed on Ice N___ Y X

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/UC-B4-1-1.0	Grab	SS	1	5/23/24	1545	2-4	○	○	●	●	■			-01
G/UC-B4-1-2.0		SS	2		1550		○	○	●	●	●	●		-02
G/UC-B4-1-3.0		SS	3		1600		●	●	●	○	●	○		-03
G/UC-B4-1-4.0		SS	4		1605		○	○	○	○	○	○		-04
G/UC-B4-1-5.0		SS	5		1613		●	●	○	○	○	●		-05
G/UC-B4-1-8.0		SS	8		1605		○	○	○	○	○	○		-06
G/UC-B4-1-10.0	"	SS	10	"	1615	"	○	○	○	○	○	●		-07
		SS												
		SS												
		SS												

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE
MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

L1476666

H120

SDG #

Table #

Acctnum: ROUXOCA

Template: T253291

Prelogin: P1076441

PM: 3500 - Jennifer Gambill

PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = Analyze
○ = Hold

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS __FedEx __Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.0 °C Bottles Received: 2.1+2.1=2.4	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Enton Orjas	Date: 5/25/24 Time: 0900	Hold: Condition: NCF / OK

ANALYTICAL REPORT

October 01, 2024

Revised Report

Roux - Oakland, CA

Sample Delivery Group:	L1745043
Samples Received:	05/30/2024
Project Number:	
Description:	AB&I Redevelopment

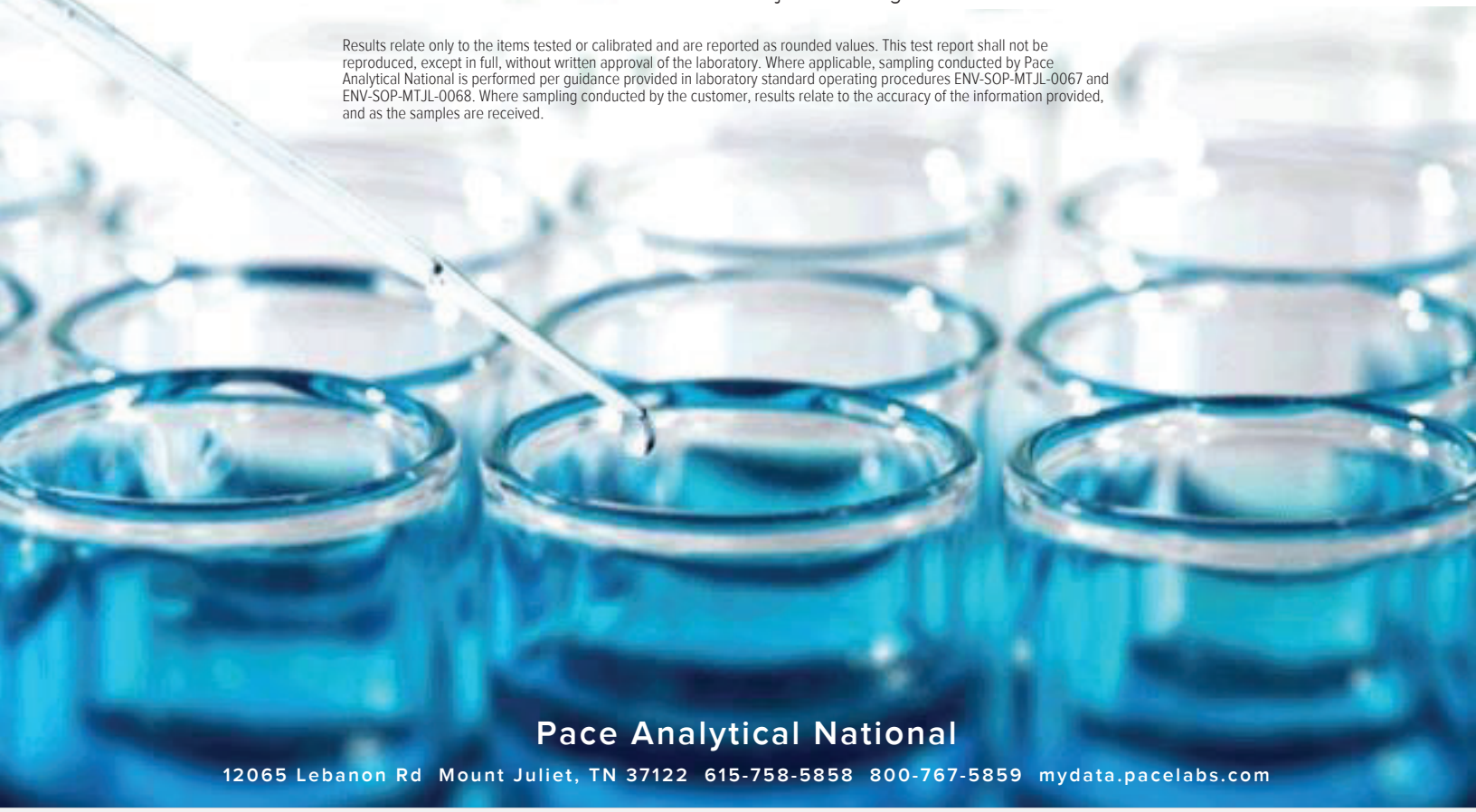
Report To:

Joshua Osborne
555 12th Street
Suite 250
Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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BS-F1-1-1.0 L1745043-01 Solid

Collected by | Collected date/time 05/28/24 15:55 | Received date/time 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302234	1	06/10/24 14:57	06/10/24 15:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2302140	1	06/10/24 11:37	06/10/24 14:36	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2302184	1	06/10/24 12:53	06/11/24 10:16	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302398	25	05/28/24 15:55	06/11/24 01:15	CDD	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2301365	1	06/11/24 07:26	06/11/24 14:46	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 07:31	ALM	Mt. Juliet, TN

BS-F1-1-2.0 L1745043-02 Solid

Collected by | Collected date/time 05/28/24 16:05 | Received date/time 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302234	1	06/10/24 14:57	06/10/24 15:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2302140	1	06/10/24 11:37	06/10/24 14:51	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2302184	1	06/10/24 12:53	06/11/24 10:26	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302398	25	05/28/24 16:05	06/11/24 01:36	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302353	1	05/28/24 16:05	06/10/24 19:21	DWR	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2301365	1	06/11/24 07:26	06/11/24 14:56	RDH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	10	06/10/24 16:37	06/11/24 08:12	ALM	Mt. Juliet, TN

BS-F1-1-3.0 L1745043-03 Solid

Collected by | Collected date/time 05/28/24 16:10 | Received date/time 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302234	1	06/10/24 14:57	06/10/24 15:02	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2302140	1	06/10/24 11:37	06/10/24 14:49	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2302184	1	06/10/24 12:53	06/11/24 10:28	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302398	25	05/28/24 16:10	06/11/24 01:58	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302353	1	05/28/24 16:10	06/10/24 19:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	5	06/10/24 16:47	06/11/24 17:13	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301591	2	06/10/24 16:37	06/11/24 11:12	ALM	Mt. Juliet, TN

BS-F1-1-4.0 L1745043-04 Solid

Collected by | Collected date/time 05/28/24 16:15 | Received date/time 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302234	1	06/10/24 14:57	06/10/24 15:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302398	25	05/28/24 16:15	06/11/24 02:21	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302353	1	05/28/24 16:15	06/10/24 19:59	DWR	Mt. Juliet, TN

BS-F1-1-5.0 L1745043-05 Solid

Collected by | Collected date/time 05/28/24 16:20 | Received date/time 05/30/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2302234	1	06/10/24 14:57	06/10/24 15:02	CMB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2302398	25	05/28/24 16:20	06/11/24 02:42	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2302353	1	05/28/24 16:20	06/10/24 20:18	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2302178	1	06/10/24 16:47	06/11/24 15:24	JAS	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 06/30/24 18:05
Level II Report - Version 2: 08/16/24 10:52

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Mercury by Method 7471A

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-1.0	L1745043-01	Mercury	0.155		0.0197	0.0438	1	06/10/2024 14:36	WG2302140
BS-F1-1-2.0	L1745043-02	Mercury	0.0657		0.0197	0.0437	1	06/10/2024 14:51	WG2302140
BS-F1-1-3.0	L1745043-03	Mercury	0.0904		0.0208	0.0462	1	06/10/2024 14:49	WG2302140

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-1.0	L1745043-01	Antimony	8.37	J6	0.595	2.19	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Arsenic	7.19		0.567	2.19	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Barium	163		0.0932	0.547	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Beryllium	0.165	J	0.0345	0.219	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Cadmium	0.409	J	0.0515	0.547	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Chromium	37.2		0.146	1.09	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Cobalt	16.6		0.0887	1.09	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Copper	32.1		0.438	2.19	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Lead	99.3		0.228	0.547	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Molybdenum	0.663		0.119	0.547	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Nickel	35.9		0.144	2.19	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Silver	0.386	J	0.139	1.09	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Vanadium	70.5		0.554	2.19	1	06/11/2024 10:16	WG2302184
BS-F1-1-1.0	L1745043-01	Zinc	117		0.910	5.47	1	06/11/2024 10:16	WG2302184
BS-F1-1-2.0	L1745043-02	Antimony	5.57		0.595	2.19	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Arsenic	6.61		0.566	2.19	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Barium	80.3		0.0932	0.547	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Beryllium	0.121	J	0.0344	0.219	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Cadmium	0.211	J	0.0515	0.547	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Chromium	23.1		0.145	1.09	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Cobalt	8.34		0.0887	1.09	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Copper	47.8		0.437	2.19	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Lead	51.6		0.227	0.547	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Molybdenum	0.706		0.119	0.547	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Nickel	26.4		0.144	2.19	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Silver	0.193	J	0.139	1.09	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Vanadium	35.3		0.553	2.19	1	06/11/2024 10:26	WG2302184
BS-F1-1-2.0	L1745043-02	Zinc	75.0		0.910	5.47	1	06/11/2024 10:26	WG2302184
BS-F1-1-3.0	L1745043-03	Antimony	5.64		0.628	2.31	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Arsenic	9.68		0.598	2.31	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Barium	246		0.0983	0.577	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Beryllium	0.413		0.0364	0.231	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Cadmium	0.214	J	0.0544	0.577	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Chromium	64.0		0.154	1.15	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Cobalt	13.7		0.0936	1.15	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Copper	40.7		0.462	2.31	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Lead	66.7		0.240	0.577	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Molybdenum	0.456	J	0.126	0.577	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Nickel	55.2		0.152	2.31	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Silver	0.373	J	0.147	1.15	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Vanadium	60.1		0.584	2.31	1	06/11/2024 10:28	WG2302184
BS-F1-1-3.0	L1745043-03	Zinc	116		0.960	5.77	1	06/11/2024 10:28	WG2302184

Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-2.0	L1745043-02	TPHG C5 - C12	1.17	J	0.989	2.98	25	06/11/2024 01:36	WG2302398

Volatile Organic Compounds (GC/MS) by Method 8260B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-2.0	L1745043-02	Benzene	0.000686	J	0.000556	0.00119	1	06/10/2024 19:21	WG2302353
BS-F1-1-2.0	L1745043-02	Naphthalene	0.0326		0.00581	0.0149	1	06/10/2024 19:21	WG2302353
BS-F1-1-2.0	L1745043-02	Tetrachloroethene	0.00966		0.00107	0.00298	1	06/10/2024 19:21	WG2302353
BS-F1-1-2.0	L1745043-02	Toluene	0.00326	J	0.00155	0.00596	1	06/10/2024 19:21	WG2302353
BS-F1-1-2.0	L1745043-02	Xylenes, Total	0.00446	J	0.00105	0.00774	1	06/10/2024 19:21	WG2302353
BS-F1-1-3.0	L1745043-03	Toluene	0.00207	J	0.00174	0.00671	1	06/10/2024 19:40	WG2302353
BS-F1-1-5.0	L1745043-05	Tetrachloroethene	0.00319	J	0.00141	0.00392	1	06/10/2024 20:18	WG2302353

Semi-Volatile Organic Compounds (GC) by Method 8015

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-3.0	L1745043-03	C22-C32 Hydrocarbons	30.2		7.68	23.1	5	06/11/2024 17:13	WG2302178
BS-F1-1-3.0	L1745043-03	C32-C40 Hydrocarbons	47.4		7.68	23.1	5	06/11/2024 17:13	WG2302178
BS-F1-1-5.0	L1745043-05	C22-C32 Hydrocarbons	2.64	J	1.63	4.89	1	06/11/2024 15:24	WG2302178
BS-F1-1-5.0	L1745043-05	C32-C40 Hydrocarbons	3.50	J	1.63	4.89	1	06/11/2024 15:24	WG2302178

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
BS-F1-1-1.0	L1745043-01	Benzo(a)anthracene	0.415		0.0642	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Benzo(b)fluoranthene	0.723		0.0679	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Benzo(k)fluoranthene	0.251	J	0.0648	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Benzo(g,h,i)perylene	0.315	J	0.0666	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Benzo(a)pyrene	0.480		0.0677	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Chrysene	0.598		0.0724	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Fluoranthene	0.433		0.0658	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Indeno(1,2,3-cd)pyrene	0.300	J	0.103	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Phenanthrene	0.209	J	0.0723	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-1.0	L1745043-01	Pyrene	0.577		0.0709	0.364	10	06/11/2024 07:31	WG2301591
BS-F1-1-2.0	L1745043-02	Benzo(a)anthracene	0.440		0.0642	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Benzo(b)fluoranthene	0.904		0.0679	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Benzo(k)fluoranthene	0.267	J	0.0647	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Benzo(g,h,i)perylene	0.307	J	0.0666	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Benzo(a)pyrene	0.477		0.0677	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Chrysene	0.826		0.0724	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Dibenz(a,h)anthracene	0.104	J	0.101	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Fluoranthene	0.389		0.0657	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Indeno(1,2,3-cd)pyrene	0.312	J	0.103	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Phenanthrene	0.130	J	0.0723	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-2.0	L1745043-02	Pyrene	0.563		0.0709	0.364	10	06/11/2024 08:12	WG2301591
BS-F1-1-3.0	L1745043-03	Benzo(b)fluoranthene	0.0148	J	0.0143	0.0769	2	06/11/2024 11:12	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	06/10/2024 15:02	WG2302234

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.155		0.0197	0.0438	1	06/10/2024 14:36	WG2302140

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	8.37	J6	0.595	2.19	1	06/11/2024 10:16	WG2302184
Arsenic	7.19		0.567	2.19	1	06/11/2024 10:16	WG2302184
Barium	163		0.0932	0.547	1	06/11/2024 10:16	WG2302184
Beryllium	0.165	J	0.0345	0.219	1	06/11/2024 10:16	WG2302184
Cadmium	0.409	J	0.0515	0.547	1	06/11/2024 10:16	WG2302184
Chromium	37.2		0.146	1.09	1	06/11/2024 10:16	WG2302184
Cobalt	16.6		0.0887	1.09	1	06/11/2024 10:16	WG2302184
Copper	32.1		0.438	2.19	1	06/11/2024 10:16	WG2302184
Lead	99.3		0.228	0.547	1	06/11/2024 10:16	WG2302184
Molybdenum	0.663		0.119	0.547	1	06/11/2024 10:16	WG2302184
Nickel	35.9		0.144	2.19	1	06/11/2024 10:16	WG2302184
Selenium	U		0.836	2.19	1	06/11/2024 10:16	WG2302184
Silver	0.386	J	0.139	1.09	1	06/11/2024 10:16	WG2302184
Thallium	U		0.431	2.19	1	06/11/2024 10:16	WG2302184
Vanadium	70.5		0.554	2.19	1	06/11/2024 10:16	WG2302184
Zinc	117		0.910	5.47	1	06/11/2024 10:16	WG2302184

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.03	3.10	25	06/11/2024 01:15	WG2302398
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/11/2024 01:15*	WG2302398

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0129	0.0372	1	06/11/2024 14:46	WG2301365
PCB 1221	U		0.0129	0.0372	1	06/11/2024 14:46	WG2301365
PCB 1232	U		0.0129	0.0372	1	06/11/2024 14:46	WG2301365
PCB 1242	U		0.0129	0.0372	1	06/11/2024 14:46	WG2301365
PCB 1248	U		0.00807	0.0186	1	06/11/2024 14:46	WG2301365
PCB 1254	U		0.00807	0.0186	1	06/11/2024 14:46	WG2301365
PCB 1260	U		0.00807	0.0186	1	06/11/2024 14:46	WG2301365
(S) Decachlorobiphenyl	*110*			*10.0-135*		*06/11/2024 14:46*	WG2301365
(S) Tetrachloro-m-xylene	*102*			*10.0-139*		*06/11/2024 14:46*	WG2301365

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	U		0.0590	0.364	10	06/11/2024 07:31	WG2301591
Acenaphthylene	U		0.0513	0.364	10	06/11/2024 07:31	WG2301591
Anthracene	U		0.0649	0.364	10	06/11/2024 07:31	WG2301591
Benzidine	U		0.685	18.3	10	06/11/2024 07:31	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.415		0.0642	0.364	10	06/11/2024 07:31	WG2301591
Benzo(b)fluoranthene	0.723		0.0679	0.364	10	06/11/2024 07:31	WG2301591
Benzo(k)fluoranthene	0.251	J	0.0648	0.364	10	06/11/2024 07:31	WG2301591
Benzo(g,h,i)perylene	0.315	J	0.0666	0.364	10	06/11/2024 07:31	WG2301591
Benzo(a)pyrene	0.480		0.0677	0.364	10	06/11/2024 07:31	WG2301591
Bis(2-chlorethoxy)methane	U		0.109	3.64	10	06/11/2024 07:31	WG2301591
Bis(2-chloroethyl)ether	U		0.120	3.64	10	06/11/2024 07:31	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.158	3.64	10	06/11/2024 07:31	WG2301591
4-Bromophenyl-phenylether	U		0.128	3.64	10	06/11/2024 07:31	WG2301591
2-Chloronaphthalene	U		0.0640	0.364	10	06/11/2024 07:31	WG2301591
4-Chlorophenyl-phenylether	U		0.127	3.64	10	06/11/2024 07:31	WG2301591
Chrysene	0.598		0.0724	0.364	10	06/11/2024 07:31	WG2301591
Dibenz(a,h)anthracene	U		0.101	0.364	10	06/11/2024 07:31	WG2301591
1,2-Dichlorobenzene	U		0.108	3.64	10	06/11/2024 07:31	WG2301591
1,3-Dichlorobenzene	U		0.110	3.64	10	06/11/2024 07:31	WG2301591
1,4-Dichlorobenzene	U		0.108	3.64	10	06/11/2024 07:31	WG2301591
3,3-Dichlorobenzidine	U		0.135	3.64	10	06/11/2024 07:31	WG2301591
2,4-Dinitrotoluene	U		0.104	3.64	10	06/11/2024 07:31	WG2301591
2,6-Dinitrotoluene	U		0.119	3.64	10	06/11/2024 07:31	WG2301591
Fluoranthene	0.433		0.0658	0.364	10	06/11/2024 07:31	WG2301591
Fluorene	U		0.0593	0.364	10	06/11/2024 07:31	WG2301591
Hexachlorobenzene	U		0.129	3.64	10	06/11/2024 07:31	WG2301591
Hexachloro-1,3-butadiene	U		0.123	3.64	10	06/11/2024 07:31	WG2301591
Hexachlorocyclopentadiene	U		0.191	3.64	10	06/11/2024 07:31	WG2301591
Hexachloroethane	U		0.143	3.64	10	06/11/2024 07:31	WG2301591
Indeno(1,2,3-cd)pyrene	0.300	J	0.103	0.364	10	06/11/2024 07:31	WG2301591
Isophorone	U		0.112	3.64	10	06/11/2024 07:31	WG2301591
Naphthalene	U		0.0915	0.364	10	06/11/2024 07:31	WG2301591
Nitrobenzene	U		0.127	3.64	10	06/11/2024 07:31	WG2301591
n-Nitrosodimethylamine	U		0.540	3.64	10	06/11/2024 07:31	WG2301591
n-Nitrosodiphenylamine	U		0.276	3.64	10	06/11/2024 07:31	WG2301591
n-Nitrosodi-n-propylamine	U		0.121	3.64	10	06/11/2024 07:31	WG2301591
Phenanthrene	0.209	J	0.0723	0.364	10	06/11/2024 07:31	WG2301591
Benzylbutyl phthalate	U		0.114	3.64	10	06/11/2024 07:31	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.462	3.64	10	06/11/2024 07:31	WG2301591
Di-n-butyl phthalate	U		0.125	3.64	10	06/11/2024 07:31	WG2301591
Diethyl phthalate	U		0.120	3.64	10	06/11/2024 07:31	WG2301591
Dimethyl phthalate	U		0.772	3.64	10	06/11/2024 07:31	WG2301591
Di-n-octyl phthalate	U		0.246	3.64	10	06/11/2024 07:31	WG2301591
Pyrene	0.577		0.0709	0.364	10	06/11/2024 07:31	WG2301591
1,2,4-Trichlorobenzene	U		0.114	3.64	10	06/11/2024 07:31	WG2301591
4-Chloro-3-methylphenol	U		0.118	3.64	10	06/11/2024 07:31	WG2301591
2-Chlorophenol	U		0.120	3.64	10	06/11/2024 07:31	WG2301591
2,4-Dichlorophenol	U		0.106	3.64	10	06/11/2024 07:31	WG2301591
2,4-Dimethylphenol	U		0.0952	3.64	10	06/11/2024 07:31	WG2301591
4,6-Dinitro-2-methylphenol	U		0.826	3.64	10	06/11/2024 07:31	WG2301591
2,4-Dinitrophenol	U		0.852	3.64	10	06/11/2024 07:31	WG2301591
2-Nitrophenol	U		0.130	3.64	10	06/11/2024 07:31	WG2301591
4-Nitrophenol	U		0.114	3.64	10	06/11/2024 07:31	WG2301591
Pentachlorophenol	U		0.0980	3.64	10	06/11/2024 07:31	WG2301591
Phenol	U		0.147	3.64	10	06/11/2024 07:31	WG2301591
2,4,6-Trichlorophenol	U		0.117	3.64	10	06/11/2024 07:31	WG2301591
(S) 2-Fluorophenol	*62.0*			*12.0-120*		*06/11/2024 07:31*	WG2301591
(S) Phenol-d5	*53.7*			*10.0-120*		*06/11/2024 07:31*	WG2301591
(S) Nitrobenzene-d5	*56.3*			*10.0-122*		*06/11/2024 07:31*	WG2301591
(S) 2-Fluorobiphenyl	*61.8*			*15.0-120*		*06/11/2024 07:31*	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*40.6*			*10.0-127*		*06/11/2024 07:31*	WG2301591
(S) p-Terphenyl-d14	*60.0*			*10.0-120*		*06/11/2024 07:31*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	06/10/2024 15:02	WG2302234

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0657		0.0197	0.0437	1	06/10/2024 14:51	WG2302140

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.57		0.595	2.19	1	06/11/2024 10:26	WG2302184
Arsenic	6.61		0.566	2.19	1	06/11/2024 10:26	WG2302184
Barium	80.3		0.0932	0.547	1	06/11/2024 10:26	WG2302184
Beryllium	0.121	J	0.0344	0.219	1	06/11/2024 10:26	WG2302184
Cadmium	0.211	J	0.0515	0.547	1	06/11/2024 10:26	WG2302184
Chromium	23.1		0.145	1.09	1	06/11/2024 10:26	WG2302184
Cobalt	8.34		0.0887	1.09	1	06/11/2024 10:26	WG2302184
Copper	47.8		0.437	2.19	1	06/11/2024 10:26	WG2302184
Lead	51.6		0.227	0.547	1	06/11/2024 10:26	WG2302184
Molybdenum	0.706		0.119	0.547	1	06/11/2024 10:26	WG2302184
Nickel	26.4		0.144	2.19	1	06/11/2024 10:26	WG2302184
Selenium	U		0.835	2.19	1	06/11/2024 10:26	WG2302184
Silver	0.193	J	0.139	1.09	1	06/11/2024 10:26	WG2302184
Thallium	U		0.431	2.19	1	06/11/2024 10:26	WG2302184
Vanadium	35.3		0.553	2.19	1	06/11/2024 10:26	WG2302184
Zinc	75.0		0.910	5.47	1	06/11/2024 10:26	WG2302184

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.17	J	0.989	2.98	25	06/11/2024 01:36	WG2302398
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/11/2024 01:36*	WG2302398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0435	0.0596	1	06/10/2024 19:21	WG2302353
Acrylonitrile	U		0.00430	0.0149	1	06/10/2024 19:21	WG2302353
Benzene	0.000686	J	0.000556	0.00119	1	06/10/2024 19:21	WG2302353
Bromobenzene	U		0.00107	0.0149	1	06/10/2024 19:21	WG2302353
Bromodichloromethane	U		0.000864	0.00298	1	06/10/2024 19:21	WG2302353
Bromoform	U		0.00139	0.0298	1	06/10/2024 19:21	WG2302353
Bromomethane	U		0.00235	0.0149	1	06/10/2024 19:21	WG2302353
n-Butylbenzene	U		0.00625	0.0149	1	06/10/2024 19:21	WG2302353
sec-Butylbenzene	U		0.00343	0.0149	1	06/10/2024 19:21	WG2302353
tert-Butylbenzene	U		0.00232	0.00596	1	06/10/2024 19:21	WG2302353
Carbon tetrachloride	U		0.00107	0.00596	1	06/10/2024 19:21	WG2302353
Chlorobenzene	U		0.000250	0.00298	1	06/10/2024 19:21	WG2302353
Chlorodibromomethane	U		0.000729	0.00298	1	06/10/2024 19:21	WG2302353
Chloroethane	U		0.00203	0.00596	1	06/10/2024 19:21	WG2302353
Chloroform	U		0.00123	0.00298	1	06/10/2024 19:21	WG2302353
Chloromethane	U	J4	0.00518	0.0149	1	06/10/2024 19:21	WG2302353
2-Chlorotoluene	U		0.00103	0.00298	1	06/10/2024 19:21	WG2302353
4-Chlorotoluene	U		0.000536	0.00596	1	06/10/2024 19:21	WG2302353

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00465	0.0298	1	06/10/2024 19:21	WG2302353
1,2-Dibromoethane	U		0.000772	0.00298	1	06/10/2024 19:21	WG2302353
Dibromomethane	U		0.000894	0.00596	1	06/10/2024 19:21	WG2302353
1,2-Dichlorobenzene	U		0.000506	0.00596	1	06/10/2024 19:21	WG2302353
1,3-Dichlorobenzene	U		0.000715	0.00596	1	06/10/2024 19:21	WG2302353
1,4-Dichlorobenzene	U		0.000834	0.00596	1	06/10/2024 19:21	WG2302353
Dichlorodifluoromethane	U		0.00192	0.00596	1	06/10/2024 19:21	WG2302353
1,1-Dichloroethane	U		0.000585	0.00298	1	06/10/2024 19:21	WG2302353
1,2-Dichloroethane	U		0.000773	0.00298	1	06/10/2024 19:21	WG2302353
1,1-Dichloroethene	U		0.000722	0.00298	1	06/10/2024 19:21	WG2302353
cis-1,2-Dichloroethene	U		0.000874	0.00298	1	06/10/2024 19:21	WG2302353
trans-1,2-Dichloroethene	U		0.00124	0.00596	1	06/10/2024 19:21	WG2302353
1,2-Dichloropropane	U		0.00169	0.00596	1	06/10/2024 19:21	WG2302353
1,1-Dichloropropene	U		0.000964	0.00298	1	06/10/2024 19:21	WG2302353
1,3-Dichloropropane	U		0.000597	0.00596	1	06/10/2024 19:21	WG2302353
cis-1,3-Dichloropropene	U		0.000902	0.00298	1	06/10/2024 19:21	WG2302353
trans-1,3-Dichloropropene	U		0.00136	0.00596	1	06/10/2024 19:21	WG2302353
2,2-Dichloropropane	U		0.00164	0.00298	1	06/10/2024 19:21	WG2302353
Di-isopropyl ether	U		0.000488	0.00119	1	06/10/2024 19:21	WG2302353
Ethylbenzene	U		0.000878	0.00298	1	06/10/2024 19:21	WG2302353
Hexachloro-1,3-butadiene	U		0.00715	0.0298	1	06/10/2024 19:21	WG2302353
Isopropylbenzene	U		0.000506	0.00298	1	06/10/2024 19:21	WG2302353
p-Isopropyltoluene	U		0.00304	0.00596	1	06/10/2024 19:21	WG2302353
2-Butanone (MEK)	U		0.0757	0.119	1	06/10/2024 19:21	WG2302353
Methylene Chloride	U		0.00791	0.0298	1	06/10/2024 19:21	WG2302353
4-Methyl-2-pentanone (MIBK)	U		0.00272	0.0298	1	06/10/2024 19:21	WG2302353
Methyl tert-butyl ether	U		0.000417	0.00119	1	06/10/2024 19:21	WG2302353
Naphthalene	0.0326		0.00581	0.0149	1	06/10/2024 19:21	WG2302353
n-Propylbenzene	U		0.00113	0.00596	1	06/10/2024 19:21	WG2302353
Styrene	U		0.000273	0.0149	1	06/10/2024 19:21	WG2302353
1,1,1,2-Tetrachloroethane	U		0.00113	0.00298	1	06/10/2024 19:21	WG2302353
1,1,2,2-Tetrachloroethane	U		0.000828	0.00298	1	06/10/2024 19:21	WG2302353
1,1,2-Trichlorotrifluoroethane	U		0.000898	0.00298	1	06/10/2024 19:21	WG2302353
Tetrachloroethene	0.00966		0.00107	0.00298	1	06/10/2024 19:21	WG2302353
Toluene	0.00326	J	0.00155	0.00596	1	06/10/2024 19:21	WG2302353
1,2,3-Trichlorobenzene	U		0.00873	0.0149	1	06/10/2024 19:21	WG2302353
1,2,4-Trichlorobenzene	U		0.00524	0.0149	1	06/10/2024 19:21	WG2302353
1,1,1-Trichloroethane	U		0.00110	0.00298	1	06/10/2024 19:21	WG2302353
1,1,2-Trichloroethane	U		0.000711	0.00298	1	06/10/2024 19:21	WG2302353
Trichloroethene	U		0.000696	0.00119	1	06/10/2024 19:21	WG2302353
Trichlorofluoromethane	U		0.000985	0.00298	1	06/10/2024 19:21	WG2302353
1,2,3-Trichloropropane	U		0.00193	0.0149	1	06/10/2024 19:21	WG2302353
1,2,4-Trimethylbenzene	U		0.00188	0.00596	1	06/10/2024 19:21	WG2302353
1,2,3-Trimethylbenzene	U		0.00188	0.00596	1	06/10/2024 19:21	WG2302353
1,3,5-Trimethylbenzene	U		0.00238	0.00596	1	06/10/2024 19:21	WG2302353
Vinyl chloride	U		0.00138	0.00298	1	06/10/2024 19:21	WG2302353
Xylenes, Total	0.00446	J	0.00105	0.00774	1	06/10/2024 19:21	WG2302353
(S) Toluene-d8	*101*			*75.0-131*		*06/10/2024 19:21*	WG2302353
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/10/2024 19:21*	WG2302353
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*06/10/2024 19:21*	WG2302353

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0129	0.0372	1	06/11/2024 14:56	WG2301365
PCB 1221	U		0.0129	0.0372	1	06/11/2024 14:56	WG2301365
PCB 1232	U		0.0129	0.0372	1	06/11/2024 14:56	WG2301365
PCB 1242	U		0.0129	0.0372	1	06/11/2024 14:56	WG2301365
PCB 1248	U		0.00807	0.0186	1	06/11/2024 14:56	WG2301365
PCB 1254	U		0.00807	0.0186	1	06/11/2024 14:56	WG2301365
PCB 1260	U		0.00807	0.0186	1	06/11/2024 14:56	WG2301365
(S) Decachlorobiphenyl	*111*			*10.0-135*		*06/11/2024 14:56*	WG2301365
(S) Tetrachloro-m-xylene	*99.7*			*10.0-139*		*06/11/2024 14:56*	WG2301365

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0589	0.364	10	06/11/2024 08:12	WG2301591
Acenaphthylene	U		0.0513	0.364	10	06/11/2024 08:12	WG2301591
Anthracene	U		0.0648	0.364	10	06/11/2024 08:12	WG2301591
Benzidine	U		0.685	18.3	10	06/11/2024 08:12	WG2301591
Benzo(a)anthracene	0.440		0.0642	0.364	10	06/11/2024 08:12	WG2301591
Benzo(b)fluoranthene	0.904		0.0679	0.364	10	06/11/2024 08:12	WG2301591
Benzo(k)fluoranthene	0.267	J	0.0647	0.364	10	06/11/2024 08:12	WG2301591
Benzo(g,h,i)perylene	0.307	J	0.0666	0.364	10	06/11/2024 08:12	WG2301591
Benzo(a)pyrene	0.477		0.0677	0.364	10	06/11/2024 08:12	WG2301591
Bis(2-chlorethoxy)methane	U		0.109	3.64	10	06/11/2024 08:12	WG2301591
Bis(2-chloroethyl)ether	U		0.120	3.64	10	06/11/2024 08:12	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.157	3.64	10	06/11/2024 08:12	WG2301591
4-Bromophenyl-phenylether	U		0.128	3.64	10	06/11/2024 08:12	WG2301591
2-Chloronaphthalene	U		0.0640	0.364	10	06/11/2024 08:12	WG2301591
4-Chlorophenyl-phenylether	U		0.127	3.64	10	06/11/2024 08:12	WG2301591
Chrysene	0.826		0.0724	0.364	10	06/11/2024 08:12	WG2301591
Dibenz(a,h)anthracene	0.104	J	0.101	0.364	10	06/11/2024 08:12	WG2301591
1,2-Dichlorobenzene	U		0.108	3.64	10	06/11/2024 08:12	WG2301591
1,3-Dichlorobenzene	U		0.110	3.64	10	06/11/2024 08:12	WG2301591
1,4-Dichlorobenzene	U		0.108	3.64	10	06/11/2024 08:12	WG2301591
3,3-Dichlorobenzidine	U		0.135	3.64	10	06/11/2024 08:12	WG2301591
2,4-Dinitrotoluene	U		0.104	3.64	10	06/11/2024 08:12	WG2301591
2,6-Dinitrotoluene	U		0.119	3.64	10	06/11/2024 08:12	WG2301591
Fluoranthene	0.389		0.0657	0.364	10	06/11/2024 08:12	WG2301591
Fluorene	U		0.0593	0.364	10	06/11/2024 08:12	WG2301591
Hexachlorobenzene	U		0.129	3.64	10	06/11/2024 08:12	WG2301591
Hexachloro-1,3-butadiene	U		0.122	3.64	10	06/11/2024 08:12	WG2301591
Hexachlorocyclopentadiene	U		0.191	3.64	10	06/11/2024 08:12	WG2301591
Hexachloroethane	U		0.143	3.64	10	06/11/2024 08:12	WG2301591
Indeno(1,2,3-cd)pyrene	0.312	J	0.103	0.364	10	06/11/2024 08:12	WG2301591
Isophorone	U		0.112	3.64	10	06/11/2024 08:12	WG2301591
Naphthalene	U		0.0914	0.364	10	06/11/2024 08:12	WG2301591
Nitrobenzene	U		0.127	3.64	10	06/11/2024 08:12	WG2301591
n-Nitrosodimethylamine	U		0.540	3.64	10	06/11/2024 08:12	WG2301591
n-Nitrosodiphenylamine	U		0.276	3.64	10	06/11/2024 08:12	WG2301591
n-Nitrosodi-n-propylamine	U		0.121	3.64	10	06/11/2024 08:12	WG2301591
Phenanthrene	0.130	J	0.0723	0.364	10	06/11/2024 08:12	WG2301591
Benzylbutyl phthalate	U		0.114	3.64	10	06/11/2024 08:12	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.461	3.64	10	06/11/2024 08:12	WG2301591
Di-n-butyl phthalate	U		0.125	3.64	10	06/11/2024 08:12	WG2301591
Diethyl phthalate	U		0.120	3.64	10	06/11/2024 08:12	WG2301591
Dimethyl phthalate	U		0.772	3.64	10	06/11/2024 08:12	WG2301591
Di-n-octyl phthalate	U		0.246	3.64	10	06/11/2024 08:12	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Pyrene	0.563		0.0709	0.364	10	06/11/2024 08:12	WG2301591
1,2,4-Trichlorobenzene	U		0.114	3.64	10	06/11/2024 08:12	WG2301591
4-Chloro-3-methylphenol	U		0.118	3.64	10	06/11/2024 08:12	WG2301591
2-Chlorophenol	U		0.120	3.64	10	06/11/2024 08:12	WG2301591
2,4-Dichlorophenol	U		0.106	3.64	10	06/11/2024 08:12	WG2301591
2,4-Dimethylphenol	U		0.0951	3.64	10	06/11/2024 08:12	WG2301591
4,6-Dinitro-2-methylphenol	U		0.826	3.64	10	06/11/2024 08:12	WG2301591
2,4-Dinitrophenol	U		0.852	3.64	10	06/11/2024 08:12	WG2301591
2-Nitrophenol	U		0.130	3.64	10	06/11/2024 08:12	WG2301591
4-Nitrophenol	U		0.114	3.64	10	06/11/2024 08:12	WG2301591
Pentachlorophenol	U		0.0980	3.64	10	06/11/2024 08:12	WG2301591
Phenol	U		0.147	3.64	10	06/11/2024 08:12	WG2301591
2,4,6-Trichlorophenol	U		0.117	3.64	10	06/11/2024 08:12	WG2301591
(S) 2-Fluorophenol	*62.9*			*12.0-120*		*06/11/2024 08:12*	WG2301591
(S) Phenol-d5	*56.4*			*10.0-120*		*06/11/2024 08:12*	WG2301591
(S) Nitrobenzene-d5	*57.2*			*10.0-122*		*06/11/2024 08:12*	WG2301591
(S) 2-Fluorobiphenyl	*66.2*			*15.0-120*		*06/11/2024 08:12*	WG2301591
(S) 2,4,6-Tribromophenol	*36.2*			*10.0-127*		*06/11/2024 08:12*	WG2301591
(S) p-Terphenyl-d14	*62.2*			*10.0-120*		*06/11/2024 08:12*	WG2301591

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	06/10/2024 15:02	WG2302234

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0904		0.0208	0.0462	1	06/10/2024 14:49	WG2302140

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Antimony	5.64		0.628	2.31	1	06/11/2024 10:28	WG2302184
Arsenic	9.68		0.598	2.31	1	06/11/2024 10:28	WG2302184
Barium	246		0.0983	0.577	1	06/11/2024 10:28	WG2302184
Beryllium	0.413		0.0364	0.231	1	06/11/2024 10:28	WG2302184
Cadmium	0.214	J	0.0544	0.577	1	06/11/2024 10:28	WG2302184
Chromium	64.0		0.154	1.15	1	06/11/2024 10:28	WG2302184
Cobalt	13.7		0.0936	1.15	1	06/11/2024 10:28	WG2302184
Copper	40.7		0.462	2.31	1	06/11/2024 10:28	WG2302184
Lead	66.7		0.240	0.577	1	06/11/2024 10:28	WG2302184
Molybdenum	0.456	J	0.126	0.577	1	06/11/2024 10:28	WG2302184
Nickel	55.2		0.152	2.31	1	06/11/2024 10:28	WG2302184
Selenium	U		0.882	2.31	1	06/11/2024 10:28	WG2302184
Silver	0.373	J	0.147	1.15	1	06/11/2024 10:28	WG2302184
Thallium	U		0.455	2.31	1	06/11/2024 10:28	WG2302184
Vanadium	60.1		0.584	2.31	1	06/11/2024 10:28	WG2302184
Zinc	116		0.960	5.77	1	06/11/2024 10:28	WG2302184

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.11	3.35	25	06/11/2024 01:58	WG2302398
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*06/11/2024 01:58*	WG2302398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0490	0.0671	1	06/10/2024 19:40	WG2302353
Acrylonitrile	U		0.00484	0.0168	1	06/10/2024 19:40	WG2302353
Benzene	U		0.000626	0.00134	1	06/10/2024 19:40	WG2302353
Bromobenzene	U		0.00121	0.0168	1	06/10/2024 19:40	WG2302353
Bromodichloromethane	U		0.000972	0.00335	1	06/10/2024 19:40	WG2302353
Bromoform	U		0.00157	0.0335	1	06/10/2024 19:40	WG2302353
Bromomethane	U		0.00264	0.0168	1	06/10/2024 19:40	WG2302353
n-Butylbenzene	U		0.00704	0.0168	1	06/10/2024 19:40	WG2302353
sec-Butylbenzene	U		0.00386	0.0168	1	06/10/2024 19:40	WG2302353
tert-Butylbenzene	U		0.00262	0.00671	1	06/10/2024 19:40	WG2302353
Carbon tetrachloride	U		0.00120	0.00671	1	06/10/2024 19:40	WG2302353
Chlorobenzene	U		0.000282	0.00335	1	06/10/2024 19:40	WG2302353
Chlorodibromomethane	U		0.000821	0.00335	1	06/10/2024 19:40	WG2302353
Chloroethane	U		0.00228	0.00671	1	06/10/2024 19:40	WG2302353
Chloroform	U		0.00138	0.00335	1	06/10/2024 19:40	WG2302353
Chloromethane	U	J4	0.00583	0.0168	1	06/10/2024 19:40	WG2302353
2-Chlorotoluene	U		0.00116	0.00335	1	06/10/2024 19:40	WG2302353
4-Chlorotoluene	U		0.000603	0.00671	1	06/10/2024 19:40	WG2302353

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	U		0.00523	0.0335	1	06/10/2024 19:40	WG2302353
1,2-Dibromoethane	U		0.000869	0.00335	1	06/10/2024 19:40	WG2302353
Dibromomethane	U		0.00101	0.00671	1	06/10/2024 19:40	WG2302353
1,2-Dichlorobenzene	U		0.000570	0.00671	1	06/10/2024 19:40	WG2302353
1,3-Dichlorobenzene	U		0.000805	0.00671	1	06/10/2024 19:40	WG2302353
1,4-Dichlorobenzene	U		0.000939	0.00671	1	06/10/2024 19:40	WG2302353
Dichlorodifluoromethane	U		0.00216	0.00671	1	06/10/2024 19:40	WG2302353
1,1-Dichloroethane	U		0.000658	0.00335	1	06/10/2024 19:40	WG2302353
1,2-Dichloroethane	U		0.000870	0.00335	1	06/10/2024 19:40	WG2302353
1,1-Dichloroethene	U		0.000813	0.00335	1	06/10/2024 19:40	WG2302353
cis-1,2-Dichloroethene	U		0.000984	0.00335	1	06/10/2024 19:40	WG2302353
trans-1,2-Dichloroethene	U		0.00139	0.00671	1	06/10/2024 19:40	WG2302353
1,2-Dichloropropane	U		0.00190	0.00671	1	06/10/2024 19:40	WG2302353
1,1-Dichloropropene	U		0.00108	0.00335	1	06/10/2024 19:40	WG2302353
1,3-Dichloropropane	U		0.000672	0.00671	1	06/10/2024 19:40	WG2302353
cis-1,3-Dichloropropene	U		0.00102	0.00335	1	06/10/2024 19:40	WG2302353
trans-1,3-Dichloropropene	U		0.00153	0.00671	1	06/10/2024 19:40	WG2302353
2,2-Dichloropropane	U		0.00185	0.00335	1	06/10/2024 19:40	WG2302353
Di-isopropyl ether	U		0.000550	0.00134	1	06/10/2024 19:40	WG2302353
Ethylbenzene	U		0.000988	0.00335	1	06/10/2024 19:40	WG2302353
Hexachloro-1,3-butadiene	U		0.00805	0.0335	1	06/10/2024 19:40	WG2302353
Isopropylbenzene	U		0.000570	0.00335	1	06/10/2024 19:40	WG2302353
p-Isopropyltoluene	U		0.00342	0.00671	1	06/10/2024 19:40	WG2302353
2-Butanone (MEK)	U		0.0852	0.134	1	06/10/2024 19:40	WG2302353
Methylene Chloride	U		0.00890	0.0335	1	06/10/2024 19:40	WG2302353
4-Methyl-2-pentanone (MIBK)	U		0.00306	0.0335	1	06/10/2024 19:40	WG2302353
Methyl tert-butyl ether	U		0.000469	0.00134	1	06/10/2024 19:40	WG2302353
Naphthalene	U		0.00654	0.0168	1	06/10/2024 19:40	WG2302353
n-Propylbenzene	U		0.00127	0.00671	1	06/10/2024 19:40	WG2302353
Styrene	U		0.000307	0.0168	1	06/10/2024 19:40	WG2302353
1,1,1,2-Tetrachloroethane	U		0.00127	0.00335	1	06/10/2024 19:40	WG2302353
1,1,2,2-Tetrachloroethane	U		0.000932	0.00335	1	06/10/2024 19:40	WG2302353
1,1,2-Trichlorotrifluoroethane	U		0.00101	0.00335	1	06/10/2024 19:40	WG2302353
Tetrachloroethene	U		0.00120	0.00335	1	06/10/2024 19:40	WG2302353
Toluene	0.00207	J	0.00174	0.00671	1	06/10/2024 19:40	WG2302353
1,2,3-Trichlorobenzene	U		0.00983	0.0168	1	06/10/2024 19:40	WG2302353
1,2,4-Trichlorobenzene	U		0.00590	0.0168	1	06/10/2024 19:40	WG2302353
1,1,1-Trichloroethane	U		0.00124	0.00335	1	06/10/2024 19:40	WG2302353
1,1,2-Trichloroethane	U		0.000801	0.00335	1	06/10/2024 19:40	WG2302353
Trichloroethene	U		0.000783	0.00134	1	06/10/2024 19:40	WG2302353
Trichlorofluoromethane	U		0.00111	0.00335	1	06/10/2024 19:40	WG2302353
1,2,3-Trichloropropane	U		0.00217	0.0168	1	06/10/2024 19:40	WG2302353
1,2,4-Trimethylbenzene	U		0.00212	0.00671	1	06/10/2024 19:40	WG2302353
1,2,3-Trimethylbenzene	U		0.00212	0.00671	1	06/10/2024 19:40	WG2302353
1,3,5-Trimethylbenzene	U		0.00268	0.00671	1	06/10/2024 19:40	WG2302353
Vinyl chloride	U		0.00156	0.00335	1	06/10/2024 19:40	WG2302353
Xylenes, Total	U		0.00118	0.00872	1	06/10/2024 19:40	WG2302353
(S) Toluene-d8	*101*			*75.0-131*		*06/10/2024 19:40*	WG2302353
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/10/2024 19:40*	WG2302353
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*06/10/2024 19:40*	WG2302353

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		4.24	23.1	5	06/11/2024 17:13	WG2302178
C22-C32 Hydrocarbons	30.2		7.68	23.1	5	06/11/2024 17:13	WG2302178
C32-C40 Hydrocarbons	47.4		7.68	23.1	5	06/11/2024 17:13	WG2302178
(S) o-Terphenyl	*65.9*			*18.0-148*		*06/11/2024 17:13*	WG2302178

Sample Narrative:

L1745043-03 WG2302178: Cannot run at lower dilution due to viscosity of extract.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0125	0.0769	2	06/11/2024 11:12	WG2301591
Acenaphthylene	U		0.0108	0.0769	2	06/11/2024 11:12	WG2301591
Anthracene	U		0.0137	0.0769	2	06/11/2024 11:12	WG2301591
Benzidine	U		0.144	3.86	2	06/11/2024 11:12	WG2301591
Benzo(a)anthracene	U		0.0135	0.0769	2	06/11/2024 11:12	WG2301591
Benzo(b)fluoranthene	0.0148	J	0.0143	0.0769	2	06/11/2024 11:12	WG2301591
Benzo(k)fluoranthene	U		0.0136	0.0769	2	06/11/2024 11:12	WG2301591
Benzo(g,h,i)perylene	U		0.0141	0.0769	2	06/11/2024 11:12	WG2301591
Benzo(a)pyrene	U		0.0143	0.0769	2	06/11/2024 11:12	WG2301591
Bis(2-chlorethoxy)methane	U		0.0231	0.769	2	06/11/2024 11:12	WG2301591
Bis(2-chloroethyl)ether	U		0.0254	0.769	2	06/11/2024 11:12	WG2301591
2,2-Oxybis(1-Chloropropane)	U		0.0332	0.769	2	06/11/2024 11:12	WG2301591
4-Bromophenyl-phenylether	U		0.0270	0.769	2	06/11/2024 11:12	WG2301591
2-Chloronaphthalene	U		0.0135	0.0769	2	06/11/2024 11:12	WG2301591
4-Chlorophenyl-phenylether	U		0.0268	0.769	2	06/11/2024 11:12	WG2301591
Chrysene	U		0.0152	0.0769	2	06/11/2024 11:12	WG2301591
Dibenz(a,h)anthracene	U		0.0214	0.0769	2	06/11/2024 11:12	WG2301591
1,2-Dichlorobenzene	U		0.0227	0.769	2	06/11/2024 11:12	WG2301591
1,3-Dichlorobenzene	U		0.0233	0.769	2	06/11/2024 11:12	WG2301591
1,4-Dichlorobenzene	U		0.0229	0.769	2	06/11/2024 11:12	WG2301591
3,3-Dichlorobenzidine	U		0.0284	0.769	2	06/11/2024 11:12	WG2301591
2,4-Dinitrotoluene	U		0.0220	0.769	2	06/11/2024 11:12	WG2301591
2,6-Dinitrotoluene	U		0.0252	0.769	2	06/11/2024 11:12	WG2301591
Fluoranthene	U		0.0139	0.0769	2	06/11/2024 11:12	WG2301591
Fluorene	U		0.0125	0.0769	2	06/11/2024 11:12	WG2301591
Hexachlorobenzene	U		0.0272	0.769	2	06/11/2024 11:12	WG2301591
Hexachloro-1,3-butadiene	U		0.0259	0.769	2	06/11/2024 11:12	WG2301591
Hexachlorocyclopentadiene	U		0.0404	0.769	2	06/11/2024 11:12	WG2301591
Hexachloroethane	U		0.0302	0.769	2	06/11/2024 11:12	WG2301591
Indeno(1,2,3-cd)pyrene	U		0.0217	0.0769	2	06/11/2024 11:12	WG2301591
Isophorone	U		0.0235	0.769	2	06/11/2024 11:12	WG2301591
Naphthalene	U		0.0193	0.0769	2	06/11/2024 11:12	WG2301591
Nitrobenzene	U		0.0268	0.769	2	06/11/2024 11:12	WG2301591
n-Nitrosodimethylamine	U		0.114	0.769	2	06/11/2024 11:12	WG2301591
n-Nitrosodiphenylamine	U		0.0582	0.769	2	06/11/2024 11:12	WG2301591
n-Nitrosodi-n-propylamine	U		0.0256	0.769	2	06/11/2024 11:12	WG2301591
Phenanthrene	U		0.0152	0.0769	2	06/11/2024 11:12	WG2301591
Benzylbutyl phthalate	U		0.0240	0.769	2	06/11/2024 11:12	WG2301591
Bis(2-ethylhexyl)phthalate	U		0.0974	0.769	2	06/11/2024 11:12	WG2301591
Di-n-butyl phthalate	U		0.0263	0.769	2	06/11/2024 11:12	WG2301591
Diethyl phthalate	U		0.0254	0.769	2	06/11/2024 11:12	WG2301591
Dimethyl phthalate	U		0.163	0.769	2	06/11/2024 11:12	WG2301591
Di-n-octyl phthalate	U		0.0519	0.769	2	06/11/2024 11:12	WG2301591
Pyrene	U		0.0150	0.0769	2	06/11/2024 11:12	WG2301591
1,2,4-Trichlorobenzene	U		0.0240	0.769	2	06/11/2024 11:12	WG2301591

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Chloro-3-methylphenol	U		0.0249	0.769	2	06/11/2024 11:12	WG2301591
2-Chlorophenol	U		0.0254	0.769	2	06/11/2024 11:12	WG2301591
2,4-Dichlorophenol	U		0.0224	0.769	2	06/11/2024 11:12	WG2301591
2,4-Dimethylphenol	U		0.0201	0.769	2	06/11/2024 11:12	WG2301591
4,6-Dinitro-2-methylphenol	U		0.174	0.769	2	06/11/2024 11:12	WG2301591
2,4-Dinitrophenol	U		0.180	0.769	2	06/11/2024 11:12	WG2301591
2-Nitrophenol	U		0.0275	0.769	2	06/11/2024 11:12	WG2301591
4-Nitrophenol	U		0.0240	0.769	2	06/11/2024 11:12	WG2301591
Pentachlorophenol	U		0.0207	0.769	2	06/11/2024 11:12	WG2301591
Phenol	U		0.0309	0.769	2	06/11/2024 11:12	WG2301591
2,4,6-Trichlorophenol	U		0.0247	0.769	2	06/11/2024 11:12	WG2301591
(S) 2-Fluorophenol	*62.9*			*12.0-120*		*06/11/2024 11:12*	WG2301591
(S) Phenol-d5	*58.3*			*10.0-120*		*06/11/2024 11:12*	WG2301591
(S) Nitrobenzene-d5	*52.1*			*10.0-122*		*06/11/2024 11:12*	WG2301591
(S) 2-Fluorobiphenyl	*63.7*			*15.0-120*		*06/11/2024 11:12*	WG2301591
(S) 2,4,6-Tribromophenol	*71.2*			*10.0-127*		*06/11/2024 11:12*	WG2301591
(S) p-Terphenyl-d14	*66.2*			*10.0-120*		*06/11/2024 11:12*	WG2301591

Sample Narrative:

L1745043-03 WG2301591: Dilution due to matrix impact during extract concentration procedure

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	06/10/2024 15:02	WG2302234

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.20	3.62	25	06/11/2024 02:21	WG2302398
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/11/2024 02:21*	WG2302398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0529	0.0724	1	06/10/2024 19:59	WG2302353
Acrylonitrile	U		0.00523	0.0181	1	06/10/2024 19:59	WG2302353
Benzene	U		0.000676	0.00145	1	06/10/2024 19:59	WG2302353
Bromobenzene	U		0.00130	0.0181	1	06/10/2024 19:59	WG2302353
Bromodichloromethane	U		0.00105	0.00362	1	06/10/2024 19:59	WG2302353
Bromoform	U		0.00169	0.0362	1	06/10/2024 19:59	WG2302353
Bromomethane	U		0.00285	0.0181	1	06/10/2024 19:59	WG2302353
n-Butylbenzene	U		0.00761	0.0181	1	06/10/2024 19:59	WG2302353
sec-Butylbenzene	U		0.00417	0.0181	1	06/10/2024 19:59	WG2302353
tert-Butylbenzene	U		0.00282	0.00724	1	06/10/2024 19:59	WG2302353
Carbon tetrachloride	U		0.00130	0.00724	1	06/10/2024 19:59	WG2302353
Chlorobenzene	U		0.000304	0.00362	1	06/10/2024 19:59	WG2302353
Chlorodibromomethane	U		0.000887	0.00362	1	06/10/2024 19:59	WG2302353
Chloroethane	U		0.00246	0.00724	1	06/10/2024 19:59	WG2302353
Chloroform	U		0.00149	0.00362	1	06/10/2024 19:59	WG2302353
Chloromethane	U	J4	0.00630	0.0181	1	06/10/2024 19:59	WG2302353
2-Chlorotoluene	U		0.00125	0.00362	1	06/10/2024 19:59	WG2302353
4-Chlorotoluene	U		0.000652	0.00724	1	06/10/2024 19:59	WG2302353
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0362	1	06/10/2024 19:59	WG2302353
1,2-Dibromoethane	U		0.000939	0.00362	1	06/10/2024 19:59	WG2302353
Dibromomethane	U		0.00109	0.00724	1	06/10/2024 19:59	WG2302353
1,2-Dichlorobenzene	U		0.000616	0.00724	1	06/10/2024 19:59	WG2302353
1,3-Dichlorobenzene	U		0.000869	0.00724	1	06/10/2024 19:59	WG2302353
1,4-Dichlorobenzene	U		0.00101	0.00724	1	06/10/2024 19:59	WG2302353
Dichlorodifluoromethane	U		0.00233	0.00724	1	06/10/2024 19:59	WG2302353
1,1-Dichloroethane	U		0.000711	0.00362	1	06/10/2024 19:59	WG2302353
1,2-Dichloroethane	U		0.000940	0.00362	1	06/10/2024 19:59	WG2302353
1,1-Dichloroethene	U		0.000878	0.00362	1	06/10/2024 19:59	WG2302353
cis-1,2-Dichloroethene	U		0.00106	0.00362	1	06/10/2024 19:59	WG2302353
trans-1,2-Dichloroethene	U		0.00151	0.00724	1	06/10/2024 19:59	WG2302353
1,2-Dichloropropane	U		0.00206	0.00724	1	06/10/2024 19:59	WG2302353
1,1-Dichloropropene	U		0.00117	0.00362	1	06/10/2024 19:59	WG2302353
1,3-Dichloropropane	U		0.000726	0.00724	1	06/10/2024 19:59	WG2302353
cis-1,3-Dichloropropene	U		0.00110	0.00362	1	06/10/2024 19:59	WG2302353
trans-1,3-Dichloropropene	U		0.00165	0.00724	1	06/10/2024 19:59	WG2302353
2,2-Dichloropropane	U		0.00200	0.00362	1	06/10/2024 19:59	WG2302353
Di-isopropyl ether	U		0.000594	0.00145	1	06/10/2024 19:59	WG2302353
Ethylbenzene	U		0.00107	0.00362	1	06/10/2024 19:59	WG2302353
Hexachloro-1,3-butadiene	U		0.00869	0.0362	1	06/10/2024 19:59	WG2302353
Isopropylbenzene	U		0.000616	0.00362	1	06/10/2024 19:59	WG2302353
p-Isopropyltoluene	U		0.00369	0.00724	1	06/10/2024 19:59	WG2302353
2-Butanone (MEK)	U		0.0920	0.145	1	06/10/2024 19:59	WG2302353
Methylene Chloride	U		0.00962	0.0362	1	06/10/2024 19:59	WG2302353
4-Methyl-2-pentanone (MIBK)	U		0.00330	0.0362	1	06/10/2024 19:59	WG2302353

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000507	0.00145	1	06/10/2024 19:59	WG2302353
Naphthalene	U		0.00707	0.0181	1	06/10/2024 19:59	WG2302353
n-Propylbenzene	U		0.00138	0.00724	1	06/10/2024 19:59	WG2302353
Styrene	U		0.000332	0.0181	1	06/10/2024 19:59	WG2302353
1,1,1,2-Tetrachloroethane	U		0.00137	0.00362	1	06/10/2024 19:59	WG2302353
1,1,2,2-Tetrachloroethane	U		0.00101	0.00362	1	06/10/2024 19:59	WG2302353
1,1,2-Trichlorotrifluoroethane	U		0.00109	0.00362	1	06/10/2024 19:59	WG2302353
Tetrachloroethene	U		0.00130	0.00362	1	06/10/2024 19:59	WG2302353
Toluene	U		0.00188	0.00724	1	06/10/2024 19:59	WG2302353
1,2,3-Trichlorobenzene	U		0.0106	0.0181	1	06/10/2024 19:59	WG2302353
1,2,4-Trichlorobenzene	U		0.00637	0.0181	1	06/10/2024 19:59	WG2302353
1,1,1-Trichloroethane	U		0.00134	0.00362	1	06/10/2024 19:59	WG2302353
1,1,2-Trichloroethane	U		0.000865	0.00362	1	06/10/2024 19:59	WG2302353
Trichloroethene	U		0.000846	0.00145	1	06/10/2024 19:59	WG2302353
Trichlorofluoromethane	U		0.00120	0.00362	1	06/10/2024 19:59	WG2302353
1,2,3-Trichloropropane	U		0.00235	0.0181	1	06/10/2024 19:59	WG2302353
1,2,4-Trimethylbenzene	U		0.00229	0.00724	1	06/10/2024 19:59	WG2302353
1,2,3-Trimethylbenzene	U		0.00229	0.00724	1	06/10/2024 19:59	WG2302353
1,3,5-Trimethylbenzene	U		0.00290	0.00724	1	06/10/2024 19:59	WG2302353
Vinyl chloride	U		0.00168	0.00362	1	06/10/2024 19:59	WG2302353
Xylenes, Total	U		0.00127	0.00942	1	06/10/2024 19:59	WG2302353
(S) Toluene-d8	*101*			*75.0-131*		*06/10/2024 19:59*	WG2302353
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*06/10/2024 19:59*	WG2302353
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*06/10/2024 19:59*	WG2302353

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.7		1	06/10/2024 15:02	WG2302234

Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		1.30	3.92	25	06/11/2024 02:42	WG2302398
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/11/2024 02:42*	WG2302398

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0573	0.0785	1	06/10/2024 20:18	WG2302353
Acrylonitrile	U		0.00567	0.0196	1	06/10/2024 20:18	WG2302353
Benzene	U		0.000733	0.00157	1	06/10/2024 20:18	WG2302353
Bromobenzene	U		0.00141	0.0196	1	06/10/2024 20:18	WG2302353
Bromodichloromethane	U		0.00114	0.00392	1	06/10/2024 20:18	WG2302353
Bromoform	U		0.00184	0.0392	1	06/10/2024 20:18	WG2302353
Bromomethane	U		0.00309	0.0196	1	06/10/2024 20:18	WG2302353
n-Butylbenzene	U		0.00824	0.0196	1	06/10/2024 20:18	WG2302353
sec-Butylbenzene	U		0.00452	0.0196	1	06/10/2024 20:18	WG2302353
tert-Butylbenzene	U		0.00306	0.00785	1	06/10/2024 20:18	WG2302353
Carbon tetrachloride	U		0.00141	0.00785	1	06/10/2024 20:18	WG2302353
Chlorobenzene	U		0.000330	0.00392	1	06/10/2024 20:18	WG2302353
Chlorodibromomethane	U		0.000960	0.00392	1	06/10/2024 20:18	WG2302353
Chloroethane	U		0.00267	0.00785	1	06/10/2024 20:18	WG2302353
Chloroform	U		0.00162	0.00392	1	06/10/2024 20:18	WG2302353
Chloromethane	U	J4	0.00683	0.0196	1	06/10/2024 20:18	WG2302353
2-Chlorotoluene	U		0.00136	0.00392	1	06/10/2024 20:18	WG2302353
4-Chlorotoluene	U		0.000706	0.00785	1	06/10/2024 20:18	WG2302353
1,2-Dibromo-3-Chloropropane	U		0.00612	0.0392	1	06/10/2024 20:18	WG2302353
1,2-Dibromoethane	U		0.00102	0.00392	1	06/10/2024 20:18	WG2302353
Dibromomethane	U		0.00118	0.00785	1	06/10/2024 20:18	WG2302353
1,2-Dichlorobenzene	U		0.000667	0.00785	1	06/10/2024 20:18	WG2302353
1,3-Dichlorobenzene	U		0.000942	0.00785	1	06/10/2024 20:18	WG2302353
1,4-Dichlorobenzene	U		0.00110	0.00785	1	06/10/2024 20:18	WG2302353
Dichlorodifluoromethane	U		0.00253	0.00785	1	06/10/2024 20:18	WG2302353
1,1-Dichloroethane	U		0.000771	0.00392	1	06/10/2024 20:18	WG2302353
1,2-Dichloroethane	U		0.00102	0.00392	1	06/10/2024 20:18	WG2302353
1,1-Dichloroethene	U		0.000951	0.00392	1	06/10/2024 20:18	WG2302353
cis-1,2-Dichloroethene	U		0.00115	0.00392	1	06/10/2024 20:18	WG2302353
trans-1,2-Dichloroethene	U		0.00163	0.00785	1	06/10/2024 20:18	WG2302353
1,2-Dichloropropane	U		0.00223	0.00785	1	06/10/2024 20:18	WG2302353
1,1-Dichloropropene	U		0.00127	0.00392	1	06/10/2024 20:18	WG2302353
1,3-Dichloropropane	U		0.000786	0.00785	1	06/10/2024 20:18	WG2302353
cis-1,3-Dichloropropene	U		0.00119	0.00392	1	06/10/2024 20:18	WG2302353
trans-1,3-Dichloropropene	U		0.00179	0.00785	1	06/10/2024 20:18	WG2302353
2,2-Dichloropropane	U		0.00217	0.00392	1	06/10/2024 20:18	WG2302353
Di-isopropyl ether	U		0.000643	0.00157	1	06/10/2024 20:18	WG2302353
Ethylbenzene	U		0.00116	0.00392	1	06/10/2024 20:18	WG2302353
Hexachloro-1,3-butadiene	U		0.00942	0.0392	1	06/10/2024 20:18	WG2302353
Isopropylbenzene	U		0.000667	0.00392	1	06/10/2024 20:18	WG2302353
p-Isopropyltoluene	U		0.00400	0.00785	1	06/10/2024 20:18	WG2302353
2-Butanone (MEK)	U		0.0997	0.157	1	06/10/2024 20:18	WG2302353
Methylene Chloride	U		0.0104	0.0392	1	06/10/2024 20:18	WG2302353
4-Methyl-2-pentanone (MIBK)	U		0.00358	0.0392	1	06/10/2024 20:18	WG2302353

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000549	0.00157	1	06/10/2024 20:18	WG2302353
Naphthalene	U		0.00766	0.0196	1	06/10/2024 20:18	WG2302353
n-Propylbenzene	U		0.00149	0.00785	1	06/10/2024 20:18	WG2302353
Styrene	U		0.000359	0.0196	1	06/10/2024 20:18	WG2302353
1,1,1,2-Tetrachloroethane	U		0.00149	0.00392	1	06/10/2024 20:18	WG2302353
1,1,2,2-Tetrachloroethane	U		0.00109	0.00392	1	06/10/2024 20:18	WG2302353
1,1,2-Trichlorotrifluoroethane	U		0.00118	0.00392	1	06/10/2024 20:18	WG2302353
Tetrachloroethene	0.00319	J	0.00141	0.00392	1	06/10/2024 20:18	WG2302353
Toluene	U		0.00204	0.00785	1	06/10/2024 20:18	WG2302353
1,2,3-Trichlorobenzene	U		0.0115	0.0196	1	06/10/2024 20:18	WG2302353
1,2,4-Trichlorobenzene	U		0.00691	0.0196	1	06/10/2024 20:18	WG2302353
1,1,1-Trichloroethane	U		0.00145	0.00392	1	06/10/2024 20:18	WG2302353
1,1,2-Trichloroethane	U		0.000937	0.00392	1	06/10/2024 20:18	WG2302353
Trichloroethene	U		0.000917	0.00157	1	06/10/2024 20:18	WG2302353
Trichlorofluoromethane	U		0.00130	0.00392	1	06/10/2024 20:18	WG2302353
1,2,3-Trichloropropane	U		0.00254	0.0196	1	06/10/2024 20:18	WG2302353
1,2,4-Trimethylbenzene	U		0.00248	0.00785	1	06/10/2024 20:18	WG2302353
1,2,3-Trimethylbenzene	U		0.00248	0.00785	1	06/10/2024 20:18	WG2302353
1,3,5-Trimethylbenzene	U		0.00314	0.00785	1	06/10/2024 20:18	WG2302353
Vinyl chloride	U		0.00182	0.00392	1	06/10/2024 20:18	WG2302353
Xylenes, Total	U		0.00138	0.0102	1	06/10/2024 20:18	WG2302353
(S) Toluene-d8	*98.4*			*75.0-131*		*06/10/2024 20:18*	WG2302353
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/10/2024 20:18*	WG2302353
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*06/10/2024 20:18*	WG2302353

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	U		0.897	4.89	1	06/11/2024 15:24	WG2302178
C22-C32 Hydrocarbons	2.64	J	1.63	4.89	1	06/11/2024 15:24	WG2302178
C32-C40 Hydrocarbons	3.50	J	1.63	4.89	1	06/11/2024 15:24	WG2302178
(S) o-Terphenyl	*70.5*			*18.0-148*		*06/11/2024 15:24*	WG2302178

Method Blank (MB)

(MB) R4079894-1 06/10/24 15:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

L1744904-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1744904-01 06/10/24 15:02 • (DUP) R4079894-3 06/10/24 15:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	95.8	96.1	1	0.269		10

Laboratory Control Sample (LCS)

(LCS) R4079894-2 06/10/24 15:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	49.9	99.9	90.0-110	

Method Blank (MB)

(MB) R4079627-1 06/10/24 14:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R4079627-2 06/10/24 14:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.494	98.8	80.0-120	

L1745043-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745043-01 06/10/24 14:36 • (MS) R4079627-4 06/10/24 14:41 • (MSD) R4079627-5 06/10/24 14:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.547	0.155	0.650	0.618	90.4	84.6	1	75.0-125			5.05	20

Method Blank (MB)

(MB) R4080164-3 06/11/24 10:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	0.0959	J	0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Molybdenum	U		0.109	0.500
Nickel	U		0.132	2.00
Selenium	0.765	J	0.764	2.00
Silver	U		0.127	1.00
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R4080164-4 06/11/24 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Antimony	100	96.5	96.5	80.0-120	
Arsenic	100	98.7	98.7	80.0-120	
Barium	100	102	102	80.0-120	
Beryllium	100	101	101	80.0-120	
Cadmium	100	98.4	98.4	80.0-120	
Chromium	100	104	104	80.0-120	
Cobalt	100	97.6	97.6	80.0-120	
Copper	100	104	104	80.0-120	
Lead	100	99.1	99.1	80.0-120	
Molybdenum	100	102	102	80.0-120	
Nickel	100	96.7	96.7	80.0-120	
Selenium	100	96.8	96.8	80.0-120	
Silver	20.0	20.1	101	80.0-120	
Thallium	100	100	100	80.0-120	
Vanadium	100	99.8	99.8	80.0-120	
Zinc	100	98.8	98.8	80.0-120	

L1745043-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1745043-01 06/11/24 10:16 • (MS) R4080164-7 06/11/24 10:21 • (MSD) R4080164-8 06/11/24 10:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	109	8.37	81.5	83.9	66.8	69.0	1	75.0-125	J6	J6	2.86	20
Arsenic	109	7.19	99.8	104	84.6	88.9	1	75.0-125			4.54	20
Barium	109	163	247	261	76.7	89.5	1	75.0-125			5.54	20
Beryllium	109	0.165	95.1	98.0	86.7	89.4	1	75.0-125			3.04	20
Cadmium	109	0.409	96.2	99.1	87.5	90.2	1	75.0-125			2.99	20
Chromium	109	37.2	143	148	97.0	102	1	75.0-125			3.46	20
Cobalt	109	16.6	118	119	92.3	93.5	1	75.0-125			1.07	20
Copper	109	32.1	138	143	97.3	101	1	75.0-125			2.96	20
Lead	109	99.3	207	209	98.7	99.8	1	75.0-125			0.599	20
Molybdenum	109	0.663	90.9	94.3	82.5	85.6	1	75.0-125			3.65	20
Nickel	109	35.9	133	141	89.0	96.0	1	75.0-125			5.62	20
Selenium	109	U	102	104	93.3	95.5	1	75.0-125			2.34	20
Silver	21.9	0.386	20.4	21.6	91.5	96.9	1	75.0-125			5.68	20
Thallium	109	U	96.3	98.3	88.0	89.9	1	75.0-125			2.05	20
Vanadium	109	70.5	168	178	89.5	98.2	1	75.0-125			5.48	20
Zinc	109	117	219	222	93.1	96.2	1	75.0-125			1.56	20

Method Blank (MB)

(MB) R4079869-2 06/11/24 00:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079869-1 06/10/24 23:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.90	98.0	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R4079874-3 06/10/24 14:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method Blank (MB)

(MB) R4079874-3 06/10/24 14:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*107*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079874-1 06/10/24 13:24 • (LCSD) R4079874-2 06/10/24 13:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.720	0.722	115	116	10.0-160			0.277	31
Acrylonitrile	0.625	0.826	0.836	132	134	45.0-153			1.20	22
Benzene	0.125	0.136	0.133	109	106	70.0-123			2.23	20
Bromobenzene	0.125	0.127	0.127	102	102	73.0-121			0.000	20
Bromodichloromethane	0.125	0.132	0.134	106	107	73.0-121			1.50	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079874-1 06/10/24 13:24 • (LCSD) R4079874-2 06/10/24 13:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.125	0.126	0.124	101	99.2	64.0-132			1.60	20
Bromomethane	0.125	0.128	0.124	102	99.2	56.0-147			3.17	20
n-Butylbenzene	0.125	0.145	0.143	116	114	68.0-135			1.39	20
sec-Butylbenzene	0.125	0.136	0.132	109	106	74.0-130			2.99	20
tert-Butylbenzene	0.125	0.141	0.139	113	111	75.0-127			1.43	20
Carbon tetrachloride	0.125	0.146	0.144	117	115	66.0-128			1.38	20
Chlorobenzene	0.125	0.134	0.133	107	106	76.0-128			0.749	20
Chlorodibromomethane	0.125	0.134	0.134	107	107	74.0-127			0.000	20
Chloroethane	0.125	0.136	0.134	109	107	61.0-134			1.48	20
Chloroform	0.125	0.128	0.127	102	102	72.0-123			0.784	20
Chloromethane	0.125	0.187	0.184	150	147	51.0-138	J4	J4	1.62	20
2-Chlorotoluene	0.125	0.128	0.128	102	102	75.0-124			0.000	20
4-Chlorotoluene	0.125	0.121	0.121	96.8	96.8	75.0-124			0.000	20
1,2-Dibromo-3-Chloropropane	0.125	0.130	0.129	104	103	59.0-130			0.772	20
1,2-Dibromoethane	0.125	0.136	0.136	109	109	74.0-128			0.000	20
Dibromomethane	0.125	0.135	0.136	108	109	75.0-122			0.738	20
1,2-Dichlorobenzene	0.125	0.140	0.139	112	111	76.0-124			0.717	20
1,3-Dichlorobenzene	0.125	0.135	0.135	108	108	76.0-125			0.000	20
1,4-Dichlorobenzene	0.125	0.135	0.134	108	107	77.0-121			0.743	20
Dichlorodifluoromethane	0.125	0.159	0.160	127	128	43.0-156			0.627	20
1,1-Dichloroethane	0.125	0.141	0.139	113	111	70.0-127			1.43	20
1,2-Dichloroethane	0.125	0.122	0.122	97.6	97.6	65.0-131			0.000	20
1,1-Dichloroethene	0.125	0.139	0.136	111	109	65.0-131			2.18	20
cis-1,2-Dichloroethene	0.125	0.132	0.130	106	104	73.0-125			1.53	20
trans-1,2-Dichloroethene	0.125	0.134	0.132	107	106	71.0-125			1.50	20
1,2-Dichloropropane	0.125	0.138	0.137	110	110	74.0-125			0.727	20
1,1-Dichloropropene	0.125	0.139	0.140	111	112	73.0-125			0.717	20
1,3-Dichloropropane	0.125	0.135	0.135	108	108	80.0-125			0.000	20
cis-1,3-Dichloropropene	0.125	0.141	0.141	113	113	76.0-127			0.000	20
trans-1,3-Dichloropropene	0.125	0.137	0.137	110	110	73.0-127			0.000	20
2,2-Dichloropropane	0.125	0.143	0.138	114	110	59.0-135			3.56	20
Di-isopropyl ether	0.125	0.136	0.133	109	106	60.0-136			2.23	20
Ethylbenzene	0.125	0.138	0.137	110	110	74.0-126			0.727	20
Hexachloro-1,3-butadiene	0.125	0.154	0.151	123	121	57.0-150			1.97	20
Isopropylbenzene	0.125	0.142	0.141	114	113	72.0-127			0.707	20
p-Isopropyltoluene	0.125	0.136	0.134	109	107	72.0-133			1.48	20
2-Butanone (MEK)	0.625	0.856	0.867	137	139	30.0-160			1.28	24
Methylene Chloride	0.125	0.128	0.130	102	104	68.0-123			1.55	20
4-Methyl-2-pentanone (MIBK)	0.625	0.750	0.745	120	119	56.0-143			0.669	20
Methyl tert-butyl ether	0.125	0.137	0.137	110	110	66.0-132			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079874-1 06/10/24 13:24 • (LCSD) R4079874-2 06/10/24 13:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.126	0.127	101	102	59.0-130			0.791	20
n-Propylbenzene	0.125	0.129	0.128	103	102	74.0-126			0.778	20
Styrene	0.125	0.132	0.131	106	105	72.0-127			0.760	20
1,1,1,2-Tetrachloroethane	0.125	0.135	0.129	108	103	74.0-129			4.55	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.122	94.4	97.6	68.0-128			3.33	20
1,1,2-Trichlorotrifluoroethane	0.125	0.156	0.156	125	125	61.0-139			0.000	20
Tetrachloroethene	0.125	0.149	0.149	119	119	70.0-136			0.000	20
Toluene	0.125	0.126	0.126	101	101	75.0-121			0.000	20
1,2,3-Trichlorobenzene	0.125	0.139	0.146	111	117	59.0-139			4.91	20
1,2,4-Trichlorobenzene	0.125	0.155	0.155	124	124	62.0-137			0.000	20
1,1,1-Trichloroethane	0.125	0.146	0.149	117	119	69.0-126			2.03	20
1,1,2-Trichloroethane	0.125	0.132	0.132	106	106	78.0-123			0.000	20
Trichloroethene	0.125	0.153	0.147	122	118	76.0-126			4.00	20
Trichlorofluoromethane	0.125	0.150	0.149	120	119	61.0-142			0.669	20
1,2,3-Trichloropropane	0.125	0.127	0.124	102	99.2	67.0-129			2.39	20
1,2,4-Trimethylbenzene	0.125	0.127	0.128	102	102	70.0-126			0.784	20
1,2,3-Trimethylbenzene	0.125	0.127	0.126	102	101	74.0-124			0.791	20
1,3,5-Trimethylbenzene	0.125	0.131	0.131	105	105	73.0-127			0.000	20
Vinyl chloride	0.125	0.133	0.134	106	107	63.0-134			0.749	20
Xylenes, Total	0.375	0.419	0.413	112	110	72.0-127			1.44	20
(S) Toluene-d8				*98.2*	*98.8*	*75.0-131*				
(S) 4-Bromofluorobenzene				*107*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*97.2*	*97.0*	*70.0-130*				

Method Blank (MB)

(MB) R4080350-1 06/11/24 12:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
C22-C32 Hydrocarbons	U		1.33	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	*103*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R4080350-2 06/11/24 12:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	25.0	20.0	80.0	50.0-150	
C22-C32 Hydrocarbons	25.0	17.2	68.8	50.0-150	
(S) o-Terphenyl			*66.8*	*18.0-148*	

L1741921-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741921-17 06/11/24 13:43 • (MS) R4080350-3 06/11/24 13:58 • (MSD) R4080350-4 06/11/24 14:12

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C12-C22 Hydrocarbons	33.0	22.3	37.5	42.9	45.9	61.0	1	50.0-150	J6		13.5	20
C22-C32 Hydrocarbons	33.0	42.6	44.7	58.7	6.15	47.8	1	50.0-150	J6	J3 J6	27.2	20
(S) o-Terphenyl					*67.5*	*61.1*		*18.0-148*				

Method Blank (MB)

(MB) R4080247-1 06/11/24 14:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*39.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*39.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4080247-2 06/11/24 14:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.104	62.3	36.0-141	
PCB 1260	0.167	0.109	65.3	37.0-145	
(S) Decachlorobiphenyl			*49.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*46.2*	*10.0-139*	

L1742842-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742842-01 06/12/24 02:46 • (MS) R4080729-1 06/12/24 02:55 • (MSD) R4080729-2 06/12/24 03:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.215	U	0.267	0.254	124	119	1	10.0-160	P		4.98	37
PCB 1260	0.215	U	0.210	0.205	97.6	95.8	1	10.0-160			2.50	38
(S) Decachlorobiphenyl					*85.8*	*81.3*		*10.0-135*				
(S) Tetrachloro-m-xylene					*95.8*	*88.8*		*10.0-139*				

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-Oxybis(1-Chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
1,2-Dichlorobenzene	U		0.00987	0.333
1,3-Dichlorobenzene	U		0.0101	0.333
1,4-Dichlorobenzene	U		0.00991	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333

Method Blank (MB)

(MB) R4079830-2 06/11/24 00:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*57.5*			*12.0-120*
(S) Phenol-d5	*50.5*			*10.0-120*
(S) Nitrobenzene-d5	*51.1*			*10.0-122*
(S) 2-Fluorobiphenyl	*57.4*			*15.0-120*
(S) 2,4,6-Tribromophenol	*33.8*			*10.0-127*
(S) p-Terphenyl-d14	*57.7*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.478	71.8	38.0-120	
Acenaphthylene	0.666	0.512	76.9	40.0-120	
Anthracene	0.666	0.501	75.2	42.0-120	
Benzidine	1.33	0.457	34.4	10.0-120	J
Benzo(a)anthracene	0.666	0.529	79.4	44.0-120	
Benzo(b)fluoranthene	0.666	0.499	74.9	43.0-120	
Benzo(k)fluoranthene	0.666	0.502	75.4	44.0-120	
Benzo(g,h,i)perylene	0.666	0.447	67.1	43.0-120	
Benzo(a)pyrene	0.666	0.516	77.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.384	57.7	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.528	79.3	16.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.666	0.453	68.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.384	57.7	40.0-120	
2-Chloronaphthalene	0.666	0.464	69.7	35.0-120	
4-Chlorophenyl-phenylether	0.666	0.485	72.8	40.0-120	
Chrysene	0.666	0.527	79.1	43.0-120	
Dibenz(a,h)anthracene	0.666	0.453	68.0	44.0-120	
1,2-Dichlorobenzene	0.666	0.451	67.7	32.0-120	
1,3-Dichlorobenzene	0.666	0.422	63.4	30.0-120	
1,4-Dichlorobenzene	0.666	0.422	63.4	31.0-120	
3,3-Dichlorobenzidine	1.33	0.791	59.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.558	83.8	45.0-120	
2,6-Dinitrotoluene	0.666	0.571	85.7	42.0-120	
Fluoranthene	0.666	0.467	70.1	44.0-120	
Fluorene	0.666	0.497	74.6	41.0-120	
Hexachlorobenzene	0.666	0.316	47.4	39.0-120	J
Hexachloro-1,3-butadiene	0.666	0.391	58.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.334	50.2	15.0-120	
Hexachloroethane	0.666	0.416	62.5	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.427	64.1	45.0-120	
Isophorone	0.666	0.404	60.7	23.0-120	
Naphthalene	0.666	0.377	56.6	18.0-120	
Nitrobenzene	0.666	0.379	56.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.377	56.6	10.0-125	
n-Nitrosodiphenylamine	0.666	0.450	67.6	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.481	72.2	26.0-120	
Phenanthrene	0.666	0.493	74.0	42.0-120	
Benzylbutyl phthalate	0.666	0.643	96.5	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.656	98.5	41.0-120	
Di-n-butyl phthalate	0.666	0.501	75.2	43.0-120	
Diethyl phthalate	0.666	0.540	81.1	43.0-120	
Dimethyl phthalate	0.666	0.531	79.7	43.0-120	
Di-n-octyl phthalate	0.666	0.633	95.0	40.0-120	
Pyrene	0.666	0.580	87.1	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.394	59.2	17.0-120	
4-Chloro-3-methylphenol	0.666	0.399	59.9	28.0-120	
2-Chlorophenol	0.666	0.480	72.1	28.0-120	
2,4-Dichlorophenol	0.666	0.404	60.7	25.0-120	
2,4-Dimethylphenol	0.666	0.449	67.4	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.603	90.5	16.0-120	
2,4-Dinitrophenol	0.666	0.490	73.6	10.0-120	

Laboratory Control Sample (LCS)

(LCS) R4079830-1 06/11/24 00:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.666	0.470	70.6	20.0-120	
4-Nitrophenol	0.666	0.625	93.8	27.0-120	
Pentachlorophenol	0.666	0.353	53.0	29.0-120	
Phenol	0.666	0.418	62.8	28.0-120	
2,4,6-Trichlorophenol	0.666	0.479	71.9	37.0-120	
(S) 2-Fluorophenol			*72.8*	*12.0-120*	
(S) Phenol-d5			*63.8*	*10.0-120*	
(S) Nitrobenzene-d5			*52.9*	*10.0-122*	
(S) 2-Fluorobiphenyl			*73.6*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*43.7*	*10.0-127*	
(S) p-Terphenyl-d14			*70.0*	*10.0-120*	

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.809	U	0.414	0.396	51.2	48.6	1	18.0-120			4.59	32
Acenaphthylene	0.809	U	0.453	0.430	56.0	52.9	1	25.0-120			5.06	32
Anthracene	0.809	U	0.458	0.442	56.6	54.3	1	22.0-120			3.59	29
Benzidine	1.61	U	0.165	0.159	10.2	9.77	1	10.0-120	J	J J6	3.83	40
Benzo(a)anthracene	0.809	U	0.474	0.445	58.6	54.7	1	25.0-120			6.21	29
Benzo(b)fluoranthene	0.809	U	0.452	0.419	55.8	51.5	1	19.0-122			7.41	31
Benzo(k)fluoranthene	0.809	U	0.447	0.423	55.2	52.0	1	23.0-120			5.42	30
Benzo(g,h,i)perylene	0.809	U	0.403	0.375	49.8	46.0	1	10.0-120			7.34	33
Benzo(a)pyrene	0.809	U	0.454	0.434	56.1	53.4	1	24.0-120			4.47	30
Bis(2-chlorethoxy)methane	0.809	U	0.356	0.345	44.0	42.4	1	10.0-120	J	J	3.19	34
Bis(2-chloroethyl)ether	0.809	U	0.489	0.459	60.4	56.4	1	10.0-120			6.28	40
2,2-Oxybis(1-Chloropropane)	0.809	U	0.397	0.382	49.1	47.0	1	10.0-120	J	J	3.82	40
4-Bromophenyl-phenylether	0.809	U	0.349	0.344	43.1	42.2	1	27.0-120	J	J	1.43	30
2-Chloronaphthalene	0.809	U	0.408	0.386	50.5	47.4	1	20.0-120			5.63	32
4-Chlorophenyl-phenylether	0.809	U	0.433	0.429	53.5	52.7	1	24.0-120			0.863	29
Chrysene	0.809	U	0.480	0.449	59.4	55.2	1	21.0-120			6.68	29
Dibenz(a,h)anthracene	0.809	U	0.396	0.373	48.9	45.9	1	10.0-120			5.81	32
1,2-Dichlorobenzene	0.809	U	0.414	0.397	51.2	48.8	1	10.0-120		J	4.28	38
1,3-Dichlorobenzene	0.809	U	0.388	0.375	48.0	46.0	1	10.0-120	J	J	3.58	40
1,4-Dichlorobenzene	0.809	U	0.398	0.378	49.2	46.5	1	10.0-120	J	J	5.11	39
3,3-Dichlorobenzidine	1.61	U	0.579	0.504	35.9	31.0	1	10.0-120			14.0	34
2,4-Dinitrotoluene	0.809	U	0.501	0.481	62.0	59.1	1	30.0-120			4.04	31

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.809	U	0.515	0.486	63.7	59.8	1	25.0-120			5.70	31
Fluoranthene	0.809	U	0.425	0.413	52.6	50.8	1	18.0-126			2.96	32
Fluorene	0.809	U	0.453	0.428	56.0	52.6	1	25.0-120			5.63	30
Hexachlorobenzene	0.809	U	0.290	0.280	35.9	34.5	1	27.0-120	J	J	3.48	28
Hexachloro-1,3-butadiene	0.809	U	0.367	0.354	45.4	43.4	1	10.0-120	J	J	3.79	38
Hexachlorocyclopentadiene	0.809	U	0.284	0.258	35.1	31.7	1	10.0-120	J	J	9.61	40
Hexachloroethane	0.809	U	0.376	0.363	46.5	44.7	1	10.0-120	J	J	3.36	40
Indeno(1,2,3-cd)pyrene	0.809	U	0.382	0.362	47.2	44.5	1	10.0-120			5.33	32
Isophorone	0.809	U	0.377	0.368	46.6	45.3	1	13.0-120	J	J	2.33	34
Naphthalene	0.809	U	0.358	0.345	44.3	42.4	1	10.0-120			3.88	35
Nitrobenzene	0.809	U	0.358	0.347	44.3	42.7	1	10.0-120	J	J	3.16	36
n-Nitrosodimethylamine	0.809	U	0.376	0.342	46.5	42.1	1	10.0-127	J	J	9.33	40
n-Nitrosodiphenylamine	0.809	U	0.360	0.342	44.5	42.1	1	17.0-120	J	J	4.95	29
n-Nitrosodi-n-propylamine	0.809	U	0.439	0.423	54.3	52.0	1	10.0-120			3.74	37
Phenanthrene	0.809	U	0.443	0.438	54.8	53.8	1	17.0-120			1.13	31
Benzylbutyl phthalate	0.809	U	0.604	0.561	74.7	68.9	1	23.0-120			7.45	30
Bis(2-ethylhexyl)phthalate	0.809	U	0.594	0.561	73.5	68.9	1	17.0-126			5.80	30
Di-n-butyl phthalate	0.809	U	0.452	0.440	55.8	54.1	1	30.0-120			2.50	29
Diethyl phthalate	0.809	U	0.483	0.466	59.7	57.3	1	26.0-120			3.40	28
Dimethyl phthalate	0.809	U	0.464	0.450	57.4	55.3	1	25.0-120			2.99	29
Di-n-octyl phthalate	0.809	U	0.595	0.552	73.6	67.8	1	21.0-123			7.57	29
Pyrene	0.809	U	0.516	0.492	63.8	60.5	1	16.0-121			4.67	32
1,2,4-Trichlorobenzene	0.809	U	0.366	0.356	45.2	43.8	1	12.0-120	J	J	2.75	37
4-Chloro-3-methylphenol	0.809	U	0.371	0.355	45.9	43.6	1	15.0-120	J	J	4.44	30
2-Chlorophenol	0.809	U	0.434	0.407	53.7	50.0	1	15.0-120		J	6.49	37
2,4-Dichlorophenol	0.809	U	0.371	0.371	45.9	45.6	1	20.0-120	J	J	0.000	31
2,4-Dimethylphenol	0.809	U	0.357	0.357	44.2	43.9	1	10.0-120	J	J	0.000	33
4,6-Dinitro-2-methylphenol	0.809	U	0.708	0.685	87.6	84.1	1	10.0-120			3.38	39
2,4-Dinitrophenol	0.809	U	0.781	0.750	96.6	92.2	1	10.0-121			4.05	40
2-Nitrophenol	0.809	U	0.455	0.434	56.3	53.4	1	12.0-120			4.74	39
4-Nitrophenol	0.809	U	0.628	0.567	77.6	69.7	1	10.0-137			10.2	32
Pentachlorophenol	0.809	U	0.404	0.391	50.0	48.0	1	10.0-160	J	J	3.43	31
Phenol	0.809	U	0.373	0.370	46.2	45.4	1	12.0-120	J	J	1.00	38
2,4,6-Trichlorophenol	0.809	U	0.425	0.438	52.6	53.8	1	19.0-120			2.87	32
(S) 2-Fluorophenol					*54.4*	*51.1*		*12.0-120*				
(S) Phenol-d5					*46.0*	*45.1*		*10.0-120*				
(S) Nitrobenzene-d5					*41.7*	*40.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*51.5*	*48.2*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*33.3*	*32.6*		*10.0-127*				

L1741416-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1741416-29 06/11/24 01:15 • (MS) R4079830-3 06/11/24 01:35 • (MSD) R4079830-4 06/11/24 01:56

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) p-Terphenyl-d14					*51.2*	*47.6*		*10.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
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Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

4745043

5/30/24 NCF

R2/R3/R4/RX/EX

Time estimate: oh **Time spent:** oh

Members

ED Elijah Dossett (responsible) Jennifer Gambill

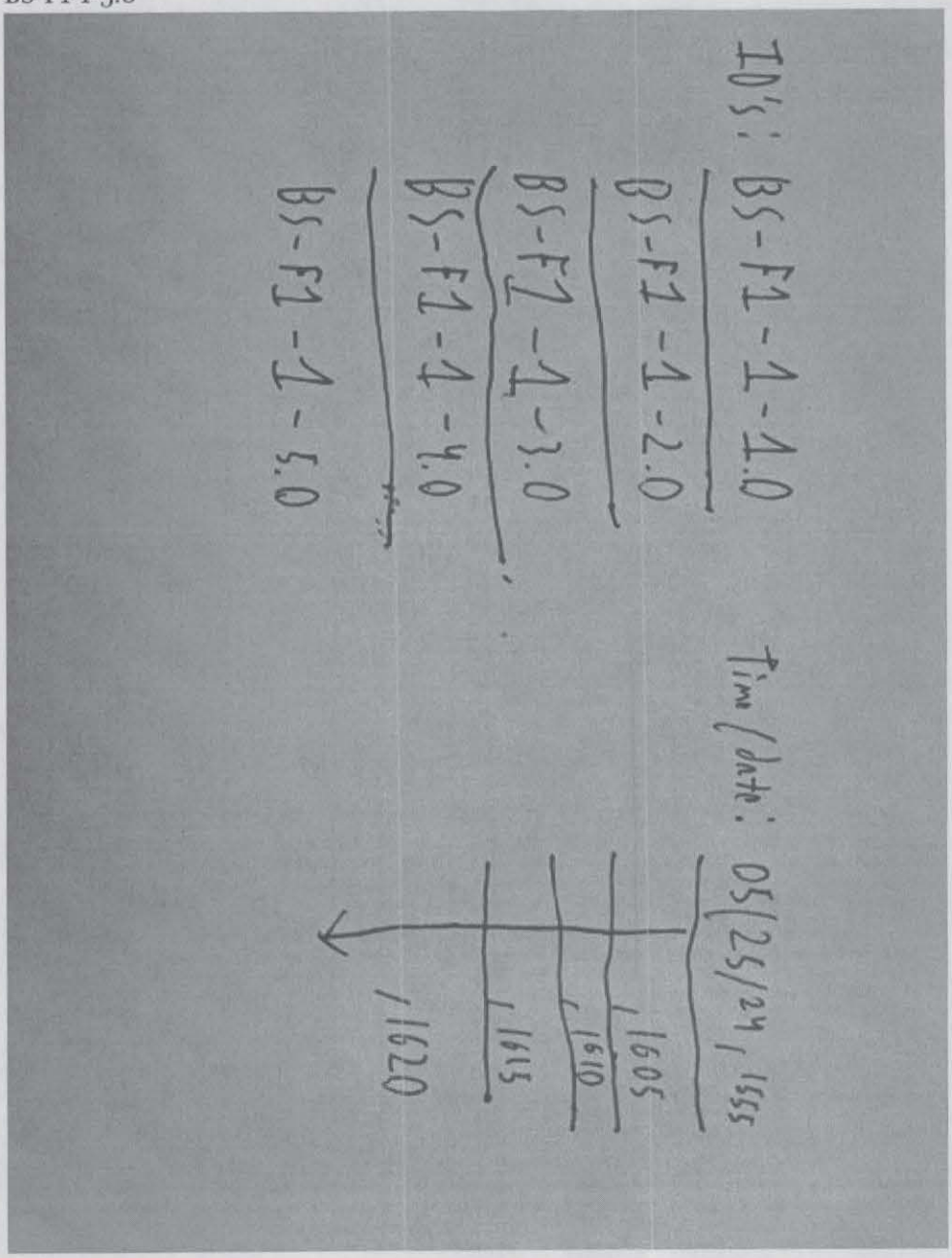
- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [ ] Broken container
- [ ] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

1745043

Elijah Dossett *30 May 2024 5:40 PM*

No COC
Received By Easton Organ
Date/time 5/30/24 0900
Temp: 0.9+0.1=1.0
FedExExpress
Tracking: 6841 8348 8841
BS-F1-1-1.0
BS-F1-1-2.0
BS-F1-1-3.0
BS-F1-1-4.0
BS-F1-1-5.0



1745043

Jennifer Gambill *7 June 2024 8:29 PM*

These samples are for ROUXOCA. Please see attached COC.

BS-F1-1.pdf

Please log for a next day turn.

Matthew Shacklock *10 June 2024 9:04 AM*

L1745043 due 6/11/24

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
X Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs 5/6/24 MS

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
BS-F1-1-1.0	Grab	SS	1.0	5/28/2024	1555	3 4	E	●	●	●	●			01
BS-F1-1-2.0	Grab	SS	2.0	5/28/2024	1605	4 3	E	●	●	●	●	●		02
BS-F1-1-3.0	Grab	SS	3.0	5/28/2024	1610	4	●	●	●	○	●	●		03
BS-F1-1-4.0	Grab	SS	4.0	5/28/2024	1615	4	E	●	○	○	E	●		04
BS-F1-1-5.0	Grab	SS	5.0	5/28/2024	1620	4	●	●	○	○	E	●		05

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1745043

Table #

Acctnum: **ROUXOCA**
Template:**T253291**
Prelogin: **P1076441**
PM: **3500 - Jennifer Gambill**
PB:

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD
E = Extract and Hold

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.9 +0.1=1.0 °C Bottles Received: 19
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/30/24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

October 01, 2024

Revised Report

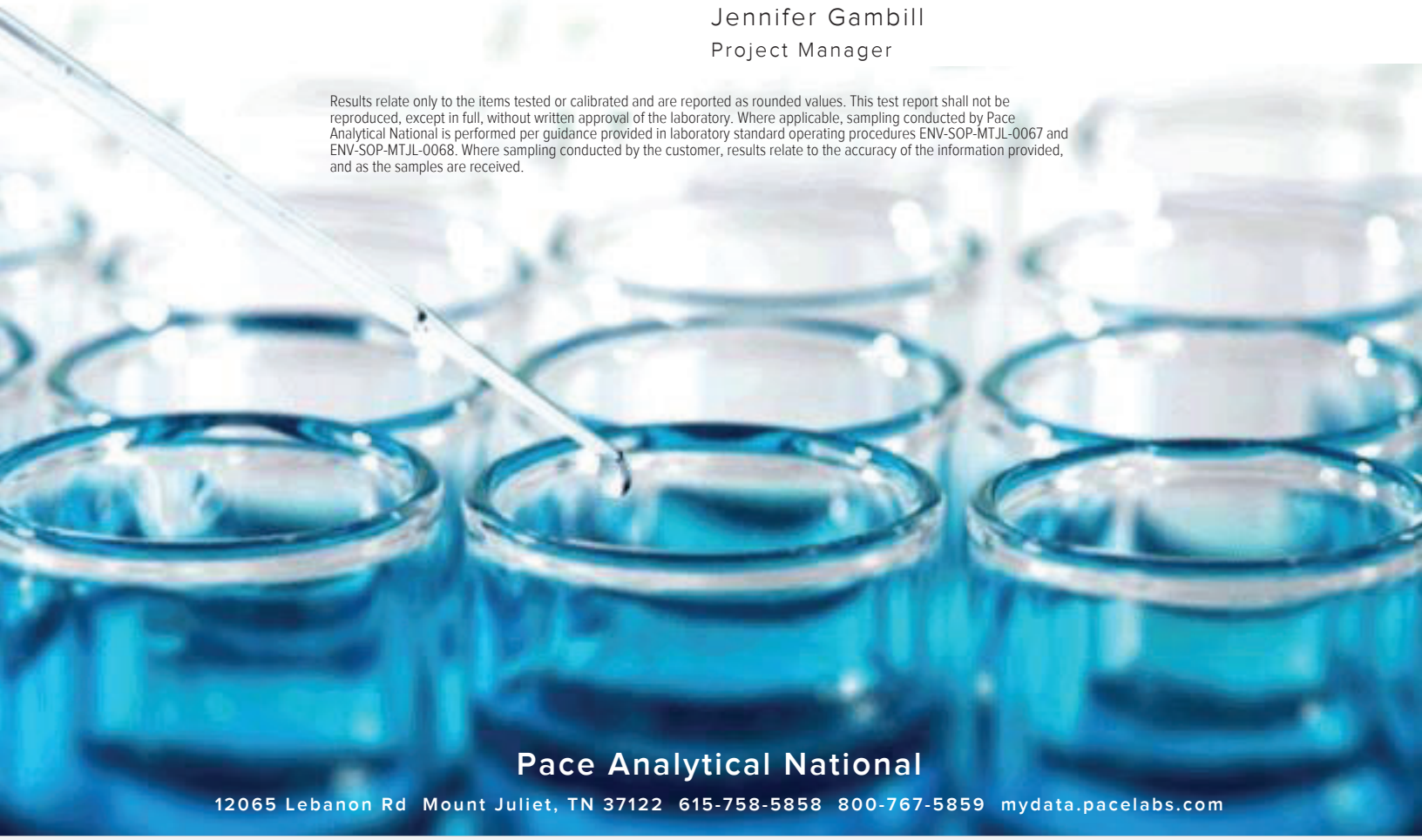
Roux - Oakland, CA

Sample Delivery Group:	L1753333
Samples Received:	05/25/2024
Project Number:	ROUX ASSOCIATES, INC
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G-D3-1-3.0 L1753333-01 Solid

Collected by: JA, DB
Collected date/time: 05/24/24 14:50
Received date/time: 05/25/24 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2317689	1	07/05/24 12:12	07/05/24 12:28	KDW	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2317721	1	07/05/24 10:42	07/05/24 19:10	NWH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/08/24 16:31
Level II Report - Version 2: 08/16/24 10:56

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G-D3-1-3.0	L1753333-01	PCB 1242	0.0271	J	0.0141	0.0408	1	07/05/2024 19:10	WG2317721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	07/05/2024 12:28	WG2317689

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0141	0.0408	1	07/05/2024 19:10	WG2317721
PCB 1221	U		0.0141	0.0408	1	07/05/2024 19:10	WG2317721
PCB 1232	U		0.0141	0.0408	1	07/05/2024 19:10	WG2317721
PCB 1242	0.0271	J	0.0141	0.0408	1	07/05/2024 19:10	WG2317721
PCB 1248	U		0.00885	0.0204	1	07/05/2024 19:10	WG2317721
PCB 1254	U		0.00885	0.0204	1	07/05/2024 19:10	WG2317721
PCB 1260	U		0.00885	0.0204	1	07/05/2024 19:10	WG2317721
(S) Decachlorobiphenyl	*72.1*			*10.0-135*		*07/05/2024 19:10*	WG2317721
(S) Tetrachloro-m-xylene	*90.6*			*10.0-139*		*07/05/2024 19:10*	WG2317721

Method Blank (MB)

(MB) R4090663-1 07/05/24 12:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1753143-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1753143-06 07/05/24 12:28 • (DUP) R4090663-3 07/05/24 12:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.1	76.0	1	0.148		10

Laboratory Control Sample (LCS)

(LCS) R4090663-2 07/05/24 12:28

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4090612-1 07/05/24 18:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*95.2*			*10.0-135*
(S) Tetrachloro-m-xylene	*104*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4090612-2 07/05/24 19:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.165	98.8	36.0-141	
PCB 1260	0.167	0.166	99.4	37.0-145	
(S) Decachlorobiphenyl			*100*	*10.0-135*	
(S) Tetrachloro-m-xylene			*110*	*10.0-139*	

L1753005-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753005-08 07/05/24 20:04 • (MS) R4090612-3 07/05/24 20:12 • (MSD) R4090612-4 07/05/24 20:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.219	U	0.168	0.171	76.7	77.4	1	10.0-160			1.59	37
PCB 1260	0.219	U	0.148	0.152	67.5	68.9	1	10.0-160			2.69	38
(S) Decachlorobiphenyl					*71.4*	*72.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*93.9*	*94.1*		*10.0-139*				

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Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: Josh Osborne

Email To: Josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: 415-967-6000

Client Project # Roux Associates, Inc.

Lab Project # ROUXOCA-CA

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day _X_ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr
G-D3-1-1.0	Grab	SS	1.0	5/24/24	1438	3/4	○	○	●	●	●	
G-D3-1-2.0	Grab	SS	2.0		1444	4	○	○	●	○	●	●
G-D3-1-3.0	Grab	SS	3.0		1450	4	●	●	●	○	●	●
G-D3-1-4.0	Grab	SS	4.0		1457	4	○	○	○	○	○	○
G-D3-1-5.0	Grab	SS	5.0	↓	1500	4	●	●	○	○	○	●
		SS										

Chain of Custody Page 4 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
11065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~L1740005~~ AN 9/13/24

Table # L1753333

Acctnum: ROUXOCA

Template: T253291

Prelogin: P1076441

PM: 3500 - Jennifer Gambill

PB:

Shipped Via: FedEX Ground

Remarks	Sample # (lab only)
	~~-24~~
	~~-26~~
	~~-27~~
	~~-25~~

..61

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	05/24/24	1009	Pace		
Relinquished by : (Signature) Pace	5/24/24	1650	Received by: (Signature) SWA Cargo	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Clifton Dean	Date: 5/25/24 Time: 1200	Hold: Condition: NCF / OK

ROUXOCA / L1740668 / Re-log

R2/R3/R4/RX/EX

Per client request, please re-log sample:

G-D3-1-3.0 / L1740668-23

For PCBs:

SV8082
TS (already finished under LG:DONE:WG2295076 WETP:DONE:WG2295890 WET:DONE:WG2295890)

Please log to a new SDG on a 5 day turn, RX.

Time estimate: oh **Time spent:** oh

Members


Jennifer Gambill

ANALYTICAL REPORT

October 01, 2024

Revised Report

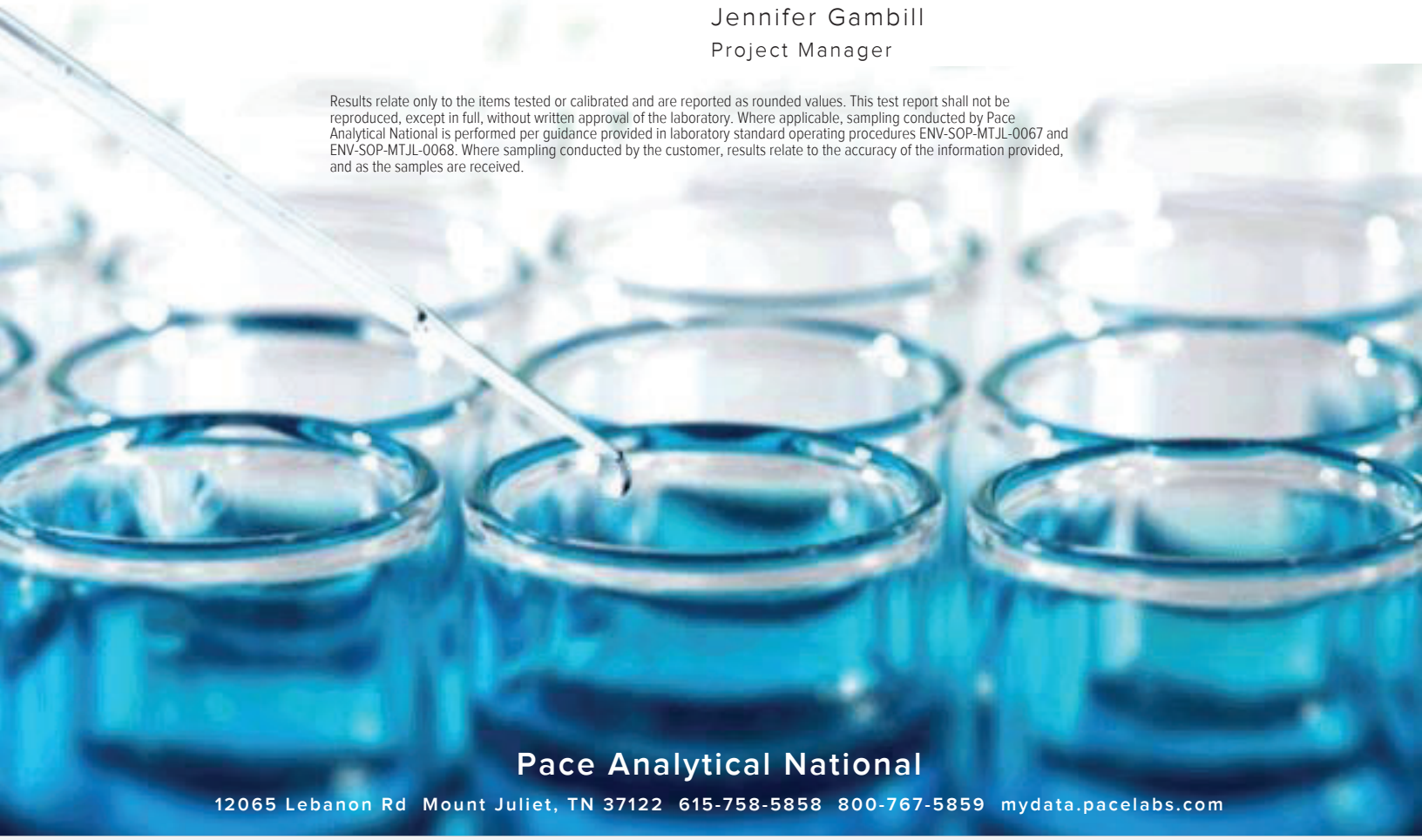
Roux - Oakland, CA

Sample Delivery Group:	L1754750
Samples Received:	05/31/2024
Project Number:	ROUX ASSOCIATES, IN
Description:	AB&I Redevelopment
Site:	AB&I FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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G-H3-1-4.0 L1754750-01 Solid

Collected by: JA/DB
Collected date/time: 05/30/24 10:35
Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2303966	1	06/13/24 09:24	06/13/24 09:37	JAV	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2322299	1	07/13/24 22:10	07/14/24 06:44	LTB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2322299	1	07/13/24 22:10	07/17/24 03:36	RDH	Mt. Juliet, TN

BS-I1-1-5.0 L1754750-02 Solid

Collected by: JA/DB
Collected date/time: 05/30/24 08:35
Received date/time: 05/31/24 13:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2297636	1	06/03/24 15:23	06/03/24 15:32	JAV	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2323548	1	07/16/24 09:14	07/16/24 11:14	DJS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/18/24 16:37
Level II Report - Version 2: 08/16/24 10:52

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

DETECTION SUMMARY

Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
BS-I1-1-5.0	L1754750-02	Arsenic	6.35		0.691	2.67	1	07/16/2024 11:14	WG2323548

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G-H3-1-4.0	L1754750-01	PCB 1260	0.0562		0.00911	0.0210	1	07/17/2024 03:36	WG2322299

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	06/13/2024 09:37	WG2303966

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0146	0.0420	1	07/14/2024 06:44	WG2322299
PCB 1221	U		0.0146	0.0420	1	07/14/2024 06:44	WG2322299
PCB 1232	U		0.0146	0.0420	1	07/14/2024 06:44	WG2322299
PCB 1242	U		0.0146	0.0420	1	07/14/2024 06:44	WG2322299
PCB 1248	U		0.00911	0.0210	1	07/14/2024 06:44	WG2322299
PCB 1254	U		0.00911	0.0210	1	07/14/2024 06:44	WG2322299
PCB 1260	0.0562		0.00911	0.0210	1	07/17/2024 03:36	WG2322299
(S) Decachlorobiphenyl	*74.2*			*10.0-135*		*07/17/2024 03:36*	WG2322299
(S) Decachlorobiphenyl	*67.7*			*10.0-135*		*07/14/2024 06:44*	WG2322299
(S) Tetrachloro-m-xylene	*69.7*			*10.0-139*		*07/14/2024 06:44*	WG2322299
(S) Tetrachloro-m-xylene	*75.6*			*10.0-139*		*07/17/2024 03:36*	WG2322299

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.0		1	06/03/2024 15:32	WG2297636

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.35		0.691	2.67	1	07/16/2024 11:14	WG2323548

Method Blank (MB)

(MB) R4076803-1 06/03/24 15:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741921-44 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-44 06/03/24 15:32 • (DUP) R4076803-3 06/03/24 15:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.2	93.2	1	0.0471		10

Laboratory Control Sample (LCS)

(LCS) R4076803-2 06/03/24 15:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4081625-1 06/13/24 09:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1741921-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1741921-11 06/13/24 09:37 • (DUP) R4081625-3 06/13/24 09:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.9	85.9	1	7.16		10

Laboratory Control Sample (LCS)

(LCS) R4081625-2 06/13/24 09:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4094396-1 07/16/24 11:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Arsenic	U		0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R4094396-2 07/16/24 11:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
Arsenic	100	99.0	99.0	80.0-120	

L1756700-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1756700-01 07/16/24 11:29 • (MS) R4094396-5 07/16/24 11:34 • (MSD) R4094396-6 07/16/24 11:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Arsenic	100	3.44	96.1	90.4	92.6	87.0	1	75.0-125			6.02	20

Method Blank (MB)

(MB) R4094404-1 07/14/24 04:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*91.3*			*10.0-135*
(S) Tetrachloro-m-xylene	*79.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4094404-2 07/14/24 05:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.133	79.6	36.0-141	
PCB 1260	0.167	0.135	80.8	37.0-145	
(S) Decachlorobiphenyl			*96.5*	*10.0-135*	
(S) Tetrachloro-m-xylene			*87.7*	*10.0-139*	

L1754706-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1754706-01 07/14/24 05:35 • (MS) R4094404-3 07/14/24 05:45 • (MSD) R4094404-4 07/14/24 05:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.182	U	0.105	0.0888	57.7	48.7	1	10.0-160			16.8	37
PCB 1260	0.182	U	0.113	0.0874	62.3	48.0	1	10.0-160			26.0	38
(S) Decachlorobiphenyl					*59.2*	*50.6*		*10.0-135*				
(S) Tetrachloro-m-xylene					*56.6*	*50.3*		*10.0-139*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
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Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: **Josh Osborne**

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: **AB&I Redevelopment**

City/State Collected: Oakland CA.

Please Circle: PT MT CT ET

Phone: **415-967-6000**

Client Project # ABKI

Lab Project # **ROUXOCA-CA**

Collected by (print): T. Agnuyo

Site/Facility ID # —

P.O. # —

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 2 of 10

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1741921

Table # L1754750

Acctnum: ROUXOCA

Template: T253291

Prelogin: P1076441

PM: 3500 - Jennifer Gambill

PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ROCAER 4ozClr-NoPres	ROCA 40mlAmb/MeOH10ml/Syr	16010CAM17 4ozClr-NoPres	V8082 4ozClr-NoPres	V8270 4ozClr-NoPres	8260 40mlAmb/MeOH10ml/Syr	HOLD	Remarks	Sample # (lab only)
G/WC-MW-1-1.0	Grab	SS	1	05/30/24	1145	3			X	X	X		X		-08
G/WC-MW-1-2.0		SS	2		1225	4			X		X	X	X		-09
G/WC-MW-1-3.0		SS	3		1230	4	X	X	X				X		-10
G/WC-MW-1-4.0		SS	4		1240	4							X		-11
G/WC-MW-1-5.0		SS	5		1250	4	X	X				X	X		-12
G-MW-1-1.0		SS	1		1005	2			X	X	X		X		-13
G-MW-1-2.0		SS	2		1010	4			X		X	X	X		-14
G-MW-1-3.0		SS	3		1025	4	X	X	X		X		X		-15
G-MW-1-4.0		SS	4		1035	4							X		-16
G-MW-1-5.0	↓	SS	5	↓	1040	4	X	X					X		-17

-01

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __ Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	If preservation required by Login: Date/Time
	05/30/24	1515			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	5/30/24	16:30	SWA CARCO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRobert	05.31.24 1300	

7/10/24

5/31/24

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland, CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to: Josh Osborne

Email To: josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description: AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: 415-967-6000

Client Project # Roux Associates, Inc.

Lab Project # ROUXOCA-CA

Collected by (print): J. Aguayo/D. Bailey

Site/Facility ID # AB&I Foundry

P.O. # 1793.00305000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote # P1076441

Date Results Needed

No. of Cntrs 6 6531 2x1

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
BS-41-1-1.0	Grab	SS	1.0	5/30/24	815	2	○	○	●	●	●			43
BS-41-1-2.0	Grab	SS	2.0		820	3	○	○	●	○	●	●		44
BS-41-1-3.0	Grab	SS	3.0		825	4	●	●	●	○	●	●		45
BS-41-1-4.0	Grab	SS	4.0		830	4	○	○	○	○	○	○		46
BS-41-1-5.0	Grab	SS	5.0		835	4	●	●	○	○	○	●		47
		SS												

-02

Chain of Custody Page 2 of 10

Pace
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MT JULIET, TN

SDG # ~~L[illegible]~~

Table # L175Y750

Acctnum: ROUXOCA

Template: T253291

Prelogin: P1076441

PM: 3500 - Jennifer Gambill

PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
● = ANALYZE
○ = HOLD

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
	5/30/24	1520			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	5/30/24	16:30	SUSPECTED		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			CRodero	05.31.24 1300	

ROUXOCA / L1741921 / Re-log

R2/R3/R4/RX/EX

Please re-log the following samples as requested:

G-H3-1-4.0 / L1741921-16 – adding TS and SV8082
TS analyzed under LG:DONE:WG2303765 WETP:DONE:WG2303966 WET:DONE:WG2303966

BS-I1-1-5.0 / L1741921-47 – adding TS and ASICP
TS analyzed under LG:DONE:WG2296896 WETP:DONE:WG2297636 WET:DONE:WG2297636

Please log to a new SDG on a 5 day turn.

Time estimate: oh **Time spent:** oh

Members

Jennifer Gambill

ANALYTICAL REPORT

October 01, 2024

Revised Report

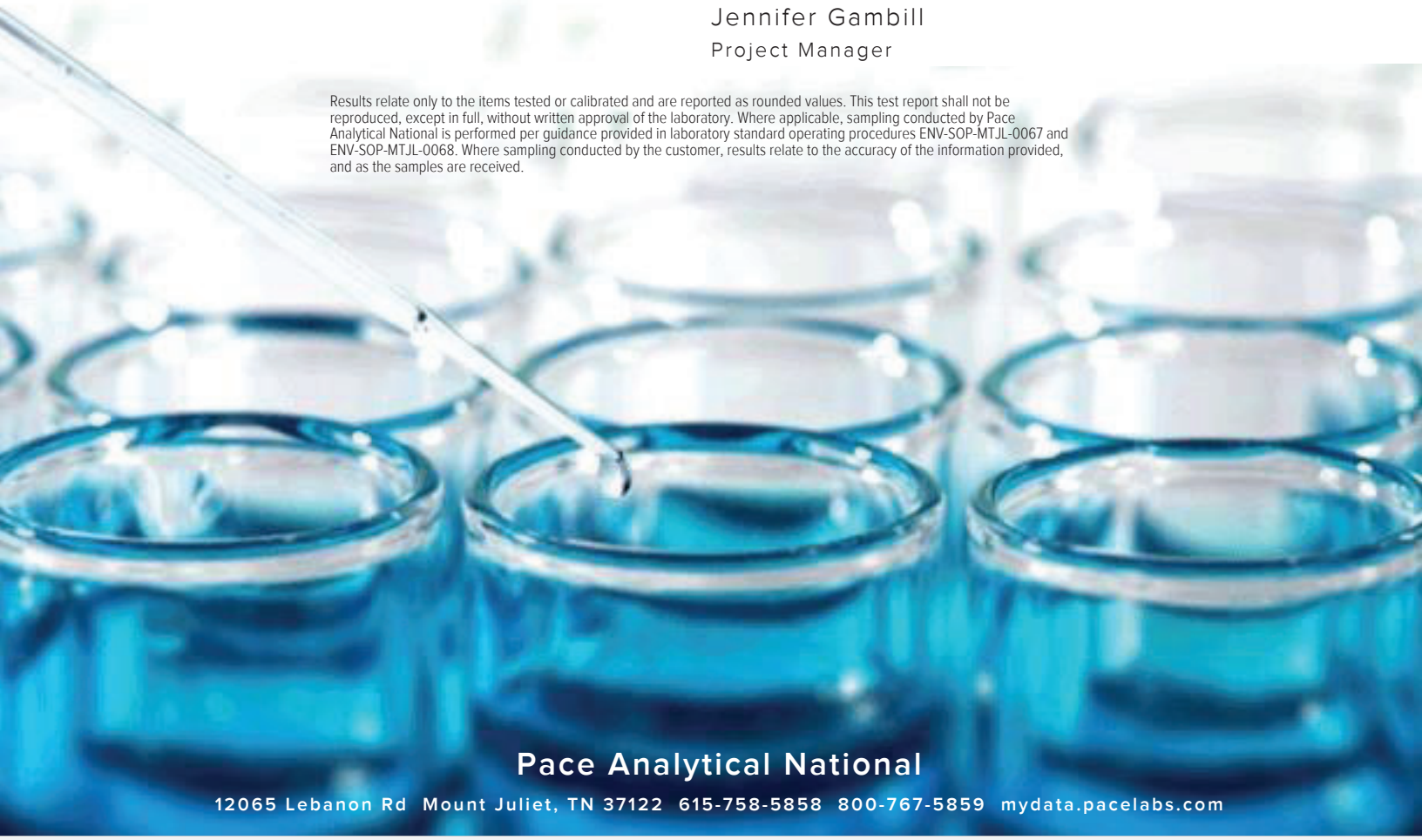
Roux - Oakland, CA

Sample Delivery Group:	L1754913
Samples Received:	05/29/2024
Project Number:	1793.00305000
Description:	AB&I Redevelopment
Site:	AB&I
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

G/BS-D4-1-3.0 L1754913-06 Solid

Collected by: J.A./A.V./J.C/D.B.
Collected date/time: 05/28/24 08:55
Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2296009	1	05/31/24 07:05	05/31/24 07:14	JAV	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2322299	1	07/13/24 22:10	07/14/24 07:33	LTB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2322299	1	07/13/24 22:10	07/17/24 03:45	RDH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/18/24 16:37
Level II Report - Version 2: 08/16/24 10:53
Level II Report - Version 3: 09/05/24 17:40

Project Narrative

The following report has been revised to include the MDL information.

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G/BS-D4-1-3.0	L1754913-06	PCB 1254	0.251		0.00823	0.0189	1	07/17/2024 03:45	WG2322299

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	05/31/2024 07:14	WG2296009

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0132	0.0379	1	07/14/2024 07:33	WG2322299
PCB 1221	U		0.0132	0.0379	1	07/14/2024 07:33	WG2322299
PCB 1232	U		0.0132	0.0379	1	07/14/2024 07:33	WG2322299
PCB 1242	U		0.0132	0.0379	1	07/14/2024 07:33	WG2322299
PCB 1248	U		0.00823	0.0189	1	07/14/2024 07:33	WG2322299
PCB 1254	0.251		0.00823	0.0189	1	07/17/2024 03:45	WG2322299
PCB 1260	U		0.00823	0.0189	1	07/14/2024 07:33	WG2322299
(S) Decachlorobiphenyl	*74.1*			*10.0-135*		*07/14/2024 07:33*	WG2322299
(S) Decachlorobiphenyl	*72.9*			*10.0-135*		*07/17/2024 03:45*	WG2322299
(S) Tetrachloro-m-xylene	*74.5*			*10.0-139*		*07/17/2024 03:45*	WG2322299
(S) Tetrachloro-m-xylene	*65.8*			*10.0-139*		*07/14/2024 07:33*	WG2322299

Method Blank (MB)

(MB) R4076000-1 05/31/24 07:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1740925-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-04 05/31/24 07:14 • (DUP) R4076000-3 05/31/24 07:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.4	95.1	1	0.777		10

Laboratory Control Sample (LCS)

(LCS) R4076000-2 05/31/24 07:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4094404-1 07/14/24 04:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*91.3*			*10.0-135*
(S) Tetrachloro-m-xylene	*79.7*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4094404-2 07/14/24 05:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.133	79.6	36.0-141	
PCB 1260	0.167	0.135	80.8	37.0-145	
(S) Decachlorobiphenyl			*96.5*	*10.0-135*	
(S) Tetrachloro-m-xylene			*87.7*	*10.0-139*	

L1754706-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1754706-01 07/14/24 05:35 • (MS) R4094404-3 07/14/24 05:45 • (MSD) R4094404-4 07/14/24 05:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.182	U	0.105	0.0888	57.7	48.7	1	10.0-160			16.8	37
PCB 1260	0.182	U	0.113	0.0874	62.3	48.0	1	10.0-160			26.0	38
(S) Decachlorobiphenyl					*59.2*	*50.6*		*10.0-135*				
(S) Tetrachloro-m-xylene					*56.6*	*50.3*		*10.0-139*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

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555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: 415-967-6000

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Agueyo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
G/BS-D4-1-1.0	Grab	SS	1.0	05/28/24	0845	3	○	○	●	●	●			~~04~~
G/BS-D4-1-2.0	Grab	SS	2.0		0850	4	○	○	●	○	●	●		~~05~~
G/BS-D4-1-3.0	Grab	SS	3.0		0855	4	●	●	●	○	●	●		~~06~~ -06
G/BS-D4-1-4.0	Grab	SS	4.0		0900	4	○	○	○	○	○	○		~~07~~
G/BS-D4-1-5.0	Grab	SS	5.0	↓	0920.	4	●	●	○	○	○	●		~~08~~
		SS												

Chain of Custody Page 2 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~L1740925~~

Table #

Acctnum: ROUXOCA
Template: T253291
Prelogin: P1076441
PM: 3500 - Jennifer Gambill
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	05/28/24	1515.			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	52824	18:30	SWACARGO		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Ashley Bartlett	05/29/2024 0800	

ANALYTICAL REPORT

October 01, 2024

Revised Report

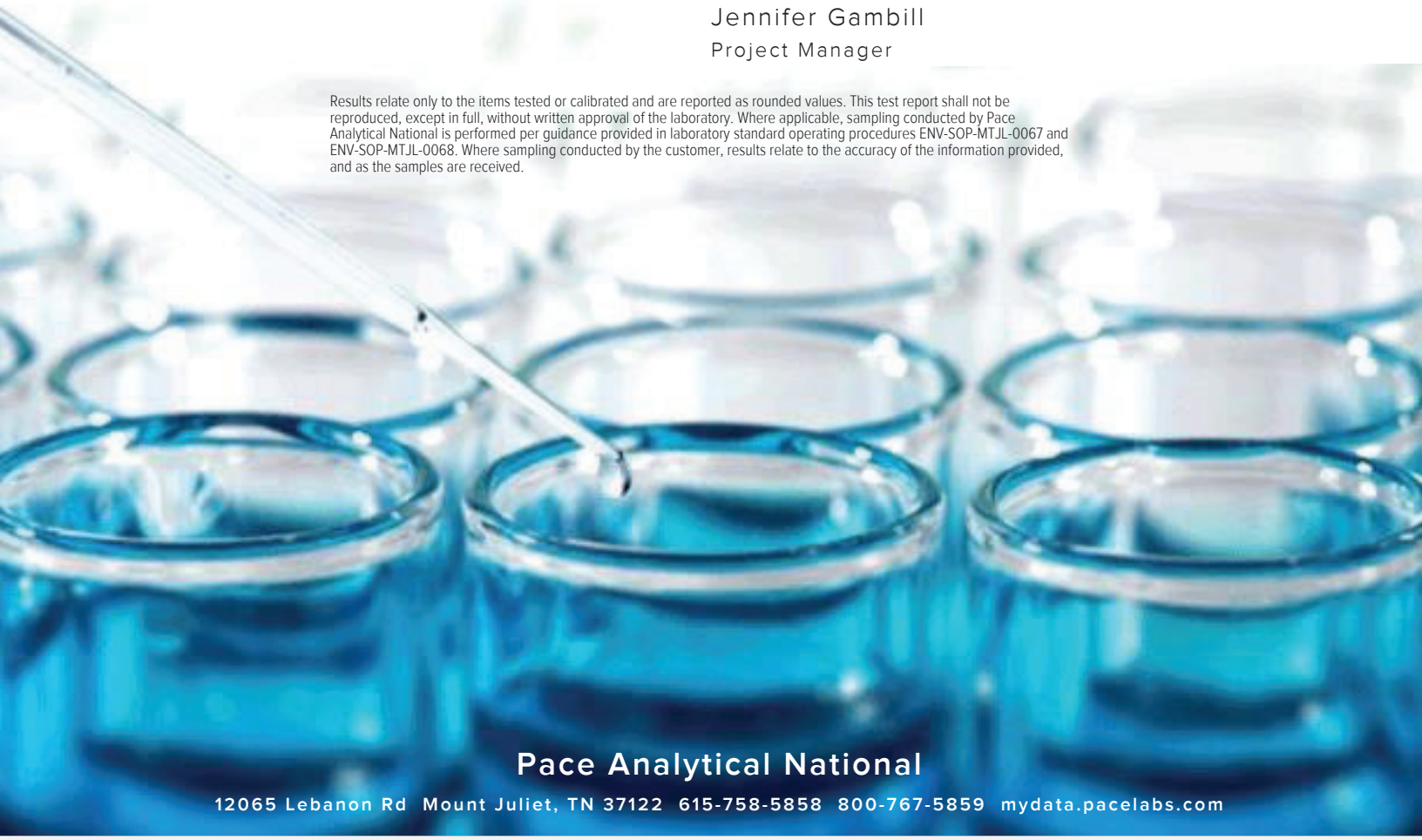
Roux - Oakland, CA

Sample Delivery Group:	L1758292
Samples Received:	05/29/2024
Project Number:	ROUX ASSOCIATES INC
Description:	AB&I Redevlopment
Site:	ABI FOUNDRY
Report To:	Joshua Osborne 555 12th Street Suite 250 Oakland, CA 94607

Entire Report Reviewed By:

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

G/BS-D4-1-4.0 L1758292-01 Solid

Collected by: Dylan B
Collected date/time: 05/28/24 09:00
Received date/time: 05/29/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2300491	1	06/07/24 12:32	06/07/24 12:45	JAV	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2330421	1	07/26/24 07:48	07/26/24 14:46	LTB	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

Report Revision History

Level II Report - Version 1: 07/29/24 14:03
Level II Report - Version 2: 08/16/24 10:56

Project Narrative

The following report has been revised to include the MDL information.

GeoTracker EDD

Polychlorinated Biphenyls (GC) by Method 8082

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
G/BS-D4-1-4.0	L1758292-01	PCB 1260	0.145		0.00930	0.0214	1	07/26/2024 14:46	WG2330421

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.3		1	06/07/2024 12:45	WG2300491

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0149	0.0428	1	07/26/2024 14:46	WG2330421
PCB 1221	U		0.0149	0.0428	1	07/26/2024 14:46	WG2330421
PCB 1232	U		0.0149	0.0428	1	07/26/2024 14:46	WG2330421
PCB 1242	U		0.0149	0.0428	1	07/26/2024 14:46	WG2330421
PCB 1248	U		0.00930	0.0214	1	07/26/2024 14:46	WG2330421
PCB 1254	U		0.00930	0.0214	1	07/26/2024 14:46	WG2330421
PCB 1260	0.145		0.00930	0.0214	1	07/26/2024 14:46	WG2330421
(S) Decachlorobiphenyl	*59.9*			*10.0-135*		*07/26/2024 14:46*	WG2330421
(S) Tetrachloro-m-xylene	*74.8*			*10.0-139*		*07/26/2024 14:46*	WG2330421

Method Blank (MB)

(MB) R4078969-1 06/07/24 12:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

L1740925-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1740925-17 06/07/24 12:45 • (DUP) R4078969-3 06/07/24 12:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.7	83.5	1	0.149		10

Laboratory Control Sample (LCS)

(LCS) R4078969-2 06/07/24 12:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	90.0-110	

Method Blank (MB)

(MB) R4099211-1 07/26/24 13:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*88.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*95.6*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R4099211-2 07/26/24 13:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.144	86.2	36.0-141	
PCB 1260	0.167	0.146	87.4	37.0-145	
(S) Decachlorobiphenyl			*88.3*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.7*	*10.0-139*	

L1758180-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1758180-05 07/26/24 13:37 • (MS) R4099211-3 07/26/24 13:47 • (MSD) R4099211-4 07/26/24 13:57

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.200	U	0.151	0.167	75.4	83.7	1	10.0-160			9.81	37
PCB 1260	0.200	U	0.189	0.169	94.6	84.9	1	10.0-160			11.4	38
(S) Decachlorobiphenyl					*58.3*	*69.1*		*10.0-135*				
(S) Tetrachloro-m-xylene					*61.3*	*78.7*		*10.0-139*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Roux - Oakland, CA

555 12th Street
Suite 250
Oakland. CA 94607

Billing Information:
Accounts Payable
555 12th Street
Suite 250
Oakland, CA 94607

Pres Chk

Report to:
Josh Osborne

Email To:
josborne@rouxinc.com;rmaxwell@rouxinc.com

Project Description:
AB&I Redevelopment

City/State Collected: Oakland, CA

Please Circle: PT MT CT ET

Phone: 415-967-6000

Client Project #
Roux Associates, Inc.

Lab Project #
ROUXOCA-CA

Collected by (print):
J. Aguayo/D. Bailey

Site/Facility ID #
AB&I Foundry

P.O. #
1793.0030S000

Collected by (signature):

Immediately
Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day X 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
P1076441

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCAER 4ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	M6010CAM17 4ozClr-NoPres	SV8082 4ozClr-NoPres	SV8270 4ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
GBS-D4-1-1.0	Grab	SS	1.0	05/28/24	0845	3	○	○	●	●	●			~~-04~~
GBS-D4-1-2.0	Grab	SS	2.0		0850	4	○	○	●	○	●	●		~~-05~~
GBS-D4-1-3.0	Grab	SS	3.0		0855	4	●	●	●	○	●	●		~~-06~~
GBS-D4-1-4.0	Grab	SS	4.0		0900	4	○	○	○	○	○	○		~~-07~~ -01
GBS-D4-1-5.0	Grab	SS	5.0	↓	0920.	4	●	●	○	○	○	●		~~-05~~
		SS												

Chain of Custody Page 2 of 4

Pace

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # ~~L1740925~~ W 7/19/24
Table # L1758292
Acctnum: ROUXOCA
Template: T253291
Prelogin: P1076441
PM: 3500 - Jennifer Gambill
PB:
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: ● = ANALYZE ○ = HOLD

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
	05/28/24	1515.			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	52624	16:30	SWATCAR60		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Ashley Bartlett	05/29/2024 0800	

ROUXOCA / L1740925 / Re-log

R2/R3/R4/RX/EX

Per client request, please pull sample:

G/BS-D4-1-4.0 / L1740925-07

From extended hold to be analyzed for:

SV8082
TS (LG:DONE:WG2299971 WETP:DONE:WG2300491 WET:DONE:WG2300491)

To a new SDG on a 5 day turn, RX.

Time estimate: oh **Time spent:** oh

Members

Jennifer Gambill

APPENDIX I

Groundwater Sampling Forms

GROUNDWATER SAMPLING FORM

Project Name: ABJI | Well No.: GW-1-1
Project Number: 179300030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CR | Sampled by: CR | Date: 5/23/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☐ Other — Prepack 2.25 Case 1"
Well Total Depth (TD, ft. below TOC): 15'
Depth to Water (WL, ft. below TOC): 8.38'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other — 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 10'
☐ Other

PURGE VOLUME CALCULATION

6.62 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals .57 CALCULATED PURGE VOLUME

Total Purge Time: 11.4 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: ~ | Purge Rate: 50 mL/min | Meter Type: YSI

gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1224 / DTW 8.38		uS/cm				
1303 / 0.00	7.25	1152	23.8		>1000	brown / none
1309 / 0.285	6.93	1326	22.9		>1000	brown / none
1315 / 0.57	6.89	1409	22.7		>1000	brown / none
/						
/						
/						
/						

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled: 5/23/24 1320
Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm) uS/cm	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/23/24 / 1320 /	6.89	1409	22.7		>1000	brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-1-1	9	COC	Various	Pace	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-1-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABMI | Well No.: GW-2-1
Project Number: 1793.0038800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other TEMP well
Recorded By: CP | Sampled by: CP | Date: 5/23/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other Prepack 2.25 1" case
Well Total Depth (TD, ft. below TOC): 15
Depth to Water (WL, ft. below TOC): 8.74
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 14
☐ Other

PURGE VOLUME CALCULATION

6.26 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals .54 CALCULATED PURGE VOLUME

Total Purge Time: 11 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: ~ Purge Rate: 50 mL/min
gals 0.54 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type: YSI

Time / Gallons	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1420 DTW-8.74		uS/cm			
1433 / 0.00	7.29	2107	22.5	939	Cloudy brown/none
1440 / 0.27	7.51	2101	21.9	>1000	cloudy brown
1444 / 0.54	7.70	2088	21.5	948	Cloudy brown
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled 5/23/24 / 1444
Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/23/24 / 1445 /	7.70	2088	21.5	948	Cloudy brown

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-2-1	9	COC	Various	Pace	Ø

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-2-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABBI
Project Number: 1793.0030800
Recorded By: CR
Well No.: GW-2-2
Well Type: [ ] Monitor [ ] Extraction [X] Other: Temp Well
Sampled by: CR
Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: [ ] 2-inch [ ] 4-inch [X] Other: 2.25 Prepack 1" case

Well Total Depth (TD, ft. below TOC): 30'

Depth to Water (WL, ft. below TOC): 14.05'

Depth to free phase hydrocarbons (FP, ft. below TOC): N/A

Number of casing volumes to be purged: [ ] 4 [ ] 10 [X] Other: 1

PURGE METHOD

[ ] Bailer \ Type:
[X] Pump \ Type: Bladder
[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):
[X] Near Bottom Depth (ft): 20'
[ ] Other:

PURGE VOLUME CALCULATION

15.95 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 1.36 CALCULATED PURGE VOLUME

Total Purge Time: 27.2
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
gals 1.36 ACTUAL PURGE VOLUME

Recharge Rate: —
Purge Rate: 50 mL/min
Meter Type: YSI

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
0720 DTW-14.05		uS/cm			
0738 / 0.00	6.80	2324	18.2	>1000	Brown / none
0747 / 0.68	6.98	2287	17.8	>1000	Brown / none
0757 / 1.36	7.08	2295	18.1	296	slight brown / none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD
Date/Time Sampled: 5/24/24 0757
Bailer - Type: [ ]
Sample port: [ ]
Other: [X] bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS
Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 0800 /	7.08	2295	18.1	296	slight brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-2-2	9	COC	Various	Pace	
DUP-2	9	COC	Various	Pace	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-2-2	DUP-2

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABI
Project Number: 1793.00 30800
Recorded By: DB
Well No.: GW-3-1
Well Type: ☐ Monitor ☐ Extraction ☒ Other TCMA Well
Sampled by: DB
Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other proposed 2.25" case 1"
Well Total Depth (TD, ft. below TOC): 15'
Depth to Water (WL, ft. below TOC): 8.22
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 13'
☐ Other

PURGE VOLUME CALCULATION

6.78 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 0.58 CALCULATED PURGE VOLUME

Total Purge Time: 12
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: –
Purge Rate: 50mL/min
gals 0.58 ACTUAL PURGE VOLUME
Meter Type: YSI

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (~~mmhos~~/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
0753 / DTW - 8.22		NS/cm				
820 / 0.00	6.98	4084	18.6		854.66	brown / none
825 ~~DTW~~ / 0.385	6.99	4054	18.8		568.12	brown / none
832 / 0.58	6.99	4054	18.7		373.41	brown / none
/						
/						
/						
/						

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD
Date/Time Sampled: 5/24/24, 832
Bailer - Type ☐
Sample port ☐ Other ☒ Bladder
Meter Type: YSI

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 / 832 /	6.99	4054	18.7		373.41	brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-3-1	9	COC	various	Pace	
					DTW after sample: 12.42 ft bgs

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-3-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ARI | Well No.: GW-3-2
Project Number: 175.0020800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp well
Recorded By: DH | Sampled by: DD | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other Case 1" (probe 2.25")
Well Total Depth (TD, ft. below TOC): 20'
Depth to Water (WL, ft. below TOC): 8.25
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 18'
☐ Other

PURGE VOLUME CALCULATION

11.75 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 1.00 CALCULATED PURGE VOLUME

Total Purge Time: 20 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: | Purge Rate: 50 ml/min YSI | Meter Type:

gals 1.00 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
937 / DTW - 8.25						
0952 / 0.00	7.02	1679	18.5		1027.49	brown / none
1002 / 0.50	6.95	1693	19.0		856.12	brown / none
1012 / 1.00	6.97	1656	18.6		685.38	brown / none
/						
/						
/						
/						

Comments during well purge:

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled: 5/24/24, 1012
Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 1012 / 1012 /	6.97	1656	18.6		685.38	brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-3-2	9	COC	Various	PACE	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-3-2	

Blank Samples

Type	Sample No.
Trip	
Rinsate	/
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABT | Well No.: GW-4-1
Project Number: 1793.0030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp well
Recorded By: CP | Sampled by: CP | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☐ Other 2.25 Pre pack 1" case
Well Total Depth (TD, ft. below TOC): 15'
Depth to Water (WL, ft. below TOC): 9.15'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 10'
☐ Other

PURGE VOLUME CALCULATION

5.85 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = .50 gals — CALCULATED PURGE VOLUME

Total Purge Time: 10
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: ~
Purge Rate: 50 mL/min YSI
0.50 gals — ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS — Meter Type:

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1045 DTW - 9.15					
1050 / 0.00	7.28	2000	17.8	>1000	Dark brown/none
1055 / .25	7.23	1947	17.8	>1000	Dark brown/none
1100 / .50	7.13	1617	18.0	>1000	Dark brown
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD — Date/Time Sampled: 5/24/24 1105
Bailer - Type ☐ | Sample port ☐ | Other ☒ Oledolor

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS — Meter Type:

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 1105 /	7.13	1617	18.0	>1000	dark brown

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-4-1	9	COC	Various	Pace	
					Sample DTW 9.15

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-4-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABI | Well No.: GW-4-2
Project Number: 1793.0030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP | Sampled by: CP | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: 2.25 PrePack
☐ 2-inch ☐ 4-inch ☐ Other 1" case
Well Total Depth (TD, ft. below TOC): 35'
Depth to Water (WL, ft. below TOC): 8.10'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged
☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 25'
☐ Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	=
26.9	0.085	1	gals 2.29 CALCULATED PURGE VOLUME

Total Purge Time: 46 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: — Purge Rate: 50 mL/min Meter Type: YSI

gals 2.29 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
0927 / SWL 8.10		CM/US			
0937 / 0.00	7.31	1782	17.0	>1000	Brown / none
1000 / 1.145	7.01	1444	17.6	>1000	Brown / none
1023 / 2.29	6.95	1394	17.2	264	cloudy / none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled: 5/24/24 1023
Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | CM/US | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 / 1025 /	6.95	1394	17.2	264	cloudy / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-4-2	9	CoC	Various	Pace	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-4-2	/

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABLI | Well No.: GW-05-1
Project Number: 1793.00308000 | Well Type: [X] Monitor [ ] Extraction [X] Other Temp well
Recorded By: AV | Sampled by: AV | Date: 5/21/24

WELL PURGING

PURGE VOLUME

Well casing diameter: [ ] 2-inch [ ] 4-inch [X] Other prepack 2.25 casing 1"
Well Total Depth (TD, ft. below TOC): 15'
Depth to Water (WL, ft. below TOC): 5.95'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: [ ] 4 [ ] 10 [X] Other 1

PURGE METHOD

[ ] Bailer \ Type
[X] Pump \ Type: bladder pump
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[X] Other 10'

PURGE VOLUME CALCULATION

DTB 8.5 − 2.47 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = ~~0.145~~ 0.29 gals — CALCULATED PURGE VOLUME

Total Purge Time: 28 min
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: —
Purge Rate: 80 mL/min

0.29 gals — ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS — Meter Type: YSI

Time / ~~Gallons~~ mL	pH	~~cm~~ Cond. (~~mmhos/cm~~)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
AV ~~1443 / 1 volume 5:11's~~	~~7.41~~		~~23.1~~		
1443 water level 5.95' bgs					
1459 / 0	7.41	1365	23.6	1341.52	Cloudy, brown
1509 / 500 mL	7.34	1498	22.9	934.19	cloudy, brown
1527 / 1400 mL	7.33	1491	22.8	522.04	cloudy brown
/					
/					
/					

Comments during well purge

Purge water storage/disposal: [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD: Bailer - Type [ ]
Date/Time Sampled: DD 1527, 5/21/24
Sample port [ ]
Other [X] Bledolar
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS — Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
5/21/24 1540 /	7.33	1491	22.8	522.04	cloudy brown

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-05-1	4	COC	various	PECO	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-05-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABSI | Well No.: GW-5-2
Project Number: 1793.0030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP | Sampled by: CP | Date: 5/23/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other Prepack 2.25 1" case
Well Total Depth (TD, ft. below TOC): 23'
Depth to Water (WL, ft. below TOC): 7.43'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 20
☐ Other

PURGE VOLUME CALCULATION

15.57 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 1.32 CALCULATED PURGE VOLUME

Total Purge Time: 26.4 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: ~ Purge Rate: 50 mL/min
gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type: YSI

Time / Gallons	pH	Cond. (~~mmhos/cm~~)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
0757 / DTW-7.43		uS/CM			~~7000~~	~~cloudy brown~~
0850 / 0.00	7.10	1411	20.5		>1000	cloudy brown/none
0907 / 0.66	6.99	1410	19.7		>1000	cloudy brown/none
0917 / 1.32	6.99	1406	19.0		>1000	cloudy brown/none
/						
/						
/						
/						

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled: 5/23/24 / 0920
Bailer - Type ☐ Sample port ☐ Other ☒ Bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type: uS/cm

Date / Time / % Recharge	pH	Cond. (~~mmhos/cm~~)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/23/24 / 0920 /	6.99	1406	19.0		>1000	Brown/none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-5-2	9	COC	various	Pace	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-05-2	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ARI | Well No.: GW-6-1
Project Number: 1793.003.0800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: DB | Sampled by: DB | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter
☐ 2-inch ☐ 4-inch ☐ Other

Well Total Depth (TD, ft. below TOC): ~~17.50~~ 17.50
Depth to Water (WL, ft. below TOC): 4.89
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A

Number of casing volumes to be purged
☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD
☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 15
☐ Other

PURGE VOLUME CALCULATION

12.61 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 1.07 CALCULATED PURGE VOLUME

Total Purge Time 22
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate
Purge Rate 50mL/min

gals 1.07 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type YSI

Time / Gallons	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1301 / DTW-4.89	~~7.51~~	~~98~~	~~18.7~~			DTB
1320 / 0.00	7.51	989	18.7		233.51	~~Clear~~/slight brown/none
1331 / 0.535	7.39	1052	18.8		191.27	clear / none
1342 / 1.07	7.45	1042	18.9		87.81	clear / none
/						
/						
/						
/						

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 5/24/24 / 1342
Bailer - Type ~~☒ Bladder~~ ☐ Sample port ☐ Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 / 1342 /	7.45	1042	18.9		87.81	Clear / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-6-1	9	COC	various	Pace	
					DTW after Sampling
					-5.01 ft bgs

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-6-1	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ARI | Well No.: GW-6-2
Project Number: 1793.0030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp well
Recorded By: DB | Sampled by: DB | Date: 5/24/24

WELL PURGING

PURGE VOLUME
Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other plugged 2.25" Casg 1"
Well Total Depth (TD, ft. below TOC): 22.50
Depth to Water (WL, ft. below TOC): 5.02
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD
☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 21.0
☐ Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	=	
17.48	0.085	1		gals 1.49 CALCULATED PURGE VOLUME

Total Purge Time: 29 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: — Purge Rate: 50 ml/min
gals 1.49 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type: YSI

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1119 / DTW-5.02					
1135 / 0.00	7.81	994	18.2	1685.41	brownish / none
1149 / 0.785	7.39	1006	18.2	1402.93	brown / none
1204 / 1.49	7.37	1028	18.0	939.42	brown / none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal ☐ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled: 5/24/24 1204
Bailer - Type ☐ Sample port ☐ Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 1204 /	7.37	1028	18.0	939.42	brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
GW-6-2	9	COC	various	PACE	∅

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
GW-6-2	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABSI | Well No.: P-01
Project Number: 1793.0030800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP | Sampled by: CP | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other 2.25 Prepack 1" case
Well Total Depth (TD, ft. below TOC): 20'
Depth to Water (WL, ft. below TOC): 9.45
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 15'
☐ Other

PURGE VOLUME CALCULATION

10.55 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 0.90 CALCULATED PURGE VOLUME

Total Purge Time: 18 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: — Purge Rate: 50 ml/min Meter Type: YSI

gals 0.90 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp	☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1141 DTW-9.45		us/cm				
1144 / 0.00	6.99	1395	17.3		>1000	Cloudy brown / none
1153 / 0.45	6.81	1387	17.6		551	cloudy / none
1202 / 0.90	6.83	1387	17.6		354	cloudy / none
/						
/						
/						
/						

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled: 5/24/24 1205
Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp	☐ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 / 1205 /						

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-01	9	COC	Various	Pace	Ø
					Sample DTW 11.20

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-01	1

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABJF | Well No.: P-02
Project Number: 1793.003080 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP | Sampled by: CP | Date: 5/24/24

WELL PURGING

PURGE VOLUME
Well casing diameter: 2.25 PrePack
☐ 2-inch ☐ 4-inch ☐ Other 1" case
Well Total Depth (TD, ft. below TOC): 15'
Depth to Water (WL, ft. below TOC): 6.45
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged
☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD
☐ Bailer \ Type
☒ Pump \ Type Bladder
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft) 10'
☐ Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	=
8.55	0.085	1	gals 0.73 CALCULATED PURGE VOLUME

Total Purge Time: 15 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: — Purge Rate: 50 mL/min YSI
gals 0.73 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type

Time / Gallons	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1352 DTW 6.45		cm/us			
1354 / 0.00	7.32	1866	18.6	>1000	Dark Brown/none
1401 / 0.365	7.29	1826	18.3	>1000	Dark Brown/none
1409 / 0.73	7.24	1825	18.3	>1000	Dark Brown/none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 5/24/24 1410
Bailer - Type ☐ Sample port ☐ YSI Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 1410 /	7.24	1824	18.3	>1000	Dark Brown/none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-02	9	COC	Various	Pace	Ø

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-02	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ADI | Well No.: P-06
Project Number: 177.00030500 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: Dylan B | Sampled by: Dylan B | Date: 5/28/24

WELL PURGING

PURGE VOLUME: 2.25" Propack
Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other 1" PVC
Well Total Depth (TD, ft. below TOC): 10.0
Depth to Water (WL, ft. below TOC): 3.55"
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD: ☐ Bailer \ Type ☐ Pump \ Type ☒ Other Bladder
PUMP INTAKE: ☐ Near top Depth (ft) ☒ Near Bottom Depth (ft) 8.0 ☐ Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	=	
6.45	0.085	1		gals 0.54 CALCULATED PURGE VOLUME
				gals 0.54 ACTUAL PURGE VOLUME

Total Purge Time: 11 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: – Purge Rate: 50ml/min Meter Type: YSI

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1345 / DTW-3.55					
1357 / 0.00	11.02	653.4	22.8	1661.59	brown/none
1403 / 0.27	10.67	453.1	22.5	1018.25	brown/none
1408 / 0.54	10.51	415.5	22.5	872.93	brown/none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD: Date/Time Sampled 5/28/24
Bailer - Type ☐ Sample port ☐ Other ☒ Bladder
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/28/24 1408 /	10.51	415.5	22.5	872.93	brown/none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-06	9	CoC	various	Pace	⊘
DUP-03	9	CoC	various	Pace	⊘
					DTW-3.81 ft bgs after sampling

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-06	DUP-03

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABI | Well No.: P-08
Project Number: 1793.00130500 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: Dylan B | Sampled by: Dylan B | Date: 5/28/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☒ Other 2.25" Prepack 1" PVC
Well Total Depth (TD, ft. below TOC): 10.0
Depth to Water (WL, ft. below TOC): 3.12"
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 8.0
☐ Other

PURGE VOLUME CALCULATION

6.88 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 0.58 CALCULATED PURGE VOLUME

Total Purge Time: 12 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: — Purge Rate: 50 ml/min

gals 0.58 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type: YSI

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1235 / DTW - 3.12"					
1248 / 0.00	8.66	2154	22.6	872.04	brown / none
1254 / 0.29	8.22	2170	22.3	616.21	brown / none
1300 / 0.59	8.23	2171	22.3	384.72	brown / none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 5/28/24 /

Bailer - Type ☐ Sample port ☐ Other ☒ Bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type YSI

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/28/24 1300 /	8.23	2171	22.3	384.72	brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-08	9	COC	Various	PACE	
					DTW - 4.10 ft bgs after sampling

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-08	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABJI
Well No.: ~~CP-GTC~~ P-10
Project Number: 1793.00230800
Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP
Sampled by: CP
Date: 5/23/24

WELL PURGING

PURGE VOLUME

Well casing diameter: Prepack 2.25 case 1"
☐ 2-inch ☐ 4-inch ☒ Other
Well Total Depth (TD, ft. below TOC): 20'
Depth to Water (WL, ft. below TOC): 5.55'
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A

Number of casing volumes to be purged
☐ 4 ☐ 10 ☐ Other

PURGE METHOD
☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 15'
☐ Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	=
14.45	.085	1	gals 1.23 CALCULATED PURGE VOLUME

Total Purge Time: 24.6 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate:
Purge Rate: 50 mL/min
Meter Type: YSI

gals 1.23 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1006 / DTW-5.55		us/cm			
1057 / 0.00	8.19	558	21.8	>1000	Brown / none
1110 / 0.615	7.44	1126	21.4	>1000	Brown / none
1122 / 1.23	7.26	1196	21.5	>100	Brown / none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD
Date/Time Sampled: 5/23/24, 1125
Bailer - Type ☐
Sample port ☐ YSI Other ☒ Bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS
us/cm Meter Type:

Date / Time / % Recharge	pH	Cond. (~~mmhos/cm~~)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/23/24 / 1125 /	7.26	1196	21.5	>1000	Brown / none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-10	9	COC	Various	Pace	Ø
Dup-1	9	COC	Various	Pace	Ø

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-10	Dup-1

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABSI | Well No.: P-11
Project Number: 1793.00.30800 | Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Recorded By: CP | Sampled by: CP | Date: 5/24/24

WELL PURGING

PURGE VOLUME

Well casing diameter: ☐ 2-inch ☐ 4-inch ☐ Other 2.25 Prepack 1" case

Well Total Depth (TD, ft. below TOC): 15

Depth to Water (WL, ft. below TOC): 4.75

Depth to free phase hydrocarbons (FP, ft. below TOC): N/A

Number of casing volumes to be purged: ☐ 4 ☐ 10 ☒ Other 1

PURGE METHOD

☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE

☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 10
☐ Other

PURGE VOLUME CALCULATION

10.25 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 0.88 CALCULATED PURGE VOLUME

Total Purge Time: 180 (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

Recharge Rate: | Purge Rate: 50. mL/min | Meter Type: YSI

gals 0.88 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
1240 DTW - 4.75		uS/cm			
1245 / 0.00	7.97	968	18.7	>1000	Dark brown/none
1254 / 0.44	7.64	951	19.2	>1000	Dark brown/none
1303 / 0.88	7.51	941	19.0	>1000	Dark brown/none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD | Date/Time Sampled: 5/24/24 / 1305

Bailer - Type ☐ | Sample port ☐ | Other ☒ Bladder

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS | Meter Type: YSI

Date / Time / % Recharge	pH	Cond. uS/cm (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24 / 1305 /	7.51	941	19.0	>1000	Dark brown/none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-11	9	COC	Various	Pace	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-11	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABI
Project Number: 1793.0030800
Recorded By: DB
Well No.: P-12
Well Type: ☐ Monitor ☐ Extraction ☒ Other Temp Well
Sampled by: DB/CP
Date: 5/24/24

WELL PURGING

PURGE VOLUME
Well casing diameter: 2.25" prepack 1" PVC
☐ 2-inch ☐ 4-inch ☒ Other
Well Total Depth (TD, ft. below TOC): 10.0
Depth to Water (WL, ft. below TOC): 4.21
Depth to free phase hydrocarbons (FP, ft. below TOC): N/A
Number of casing volumes to be purged
☐ 4 ☐ 10 ☒ Other: 1

PURGE METHOD
☐ Bailer \ Type
☒ Pump \ Type: Bladder
☐ Other

PUMP INTAKE
☐ Near top Depth (ft)
☒ Near Bottom Depth (ft): 8
☐ Other

PURGE VOLUME CALCULATION
5.79 (Water Column Length) x 0.085 (Multiplier) x 1 (No. Vols) = gals 0.49 CALCULATED PURGE VOLUME

Total Purge Time: 10
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate: ~
Purge Rate: 50ml/min
gals 0.49 ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS
Meter Type: YSI

Time / Gallons	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
TB 1440, DTW - 4.21					
1451 / 0.00	9.21	2.004	20.5	>1000	Dark Brown/none
1456 / 0.245	8.41	2.095	20.8	>1000	Dark Brown/none
1501 / 0.49	7.88	2.134	20.7	1752	Dark Brown/none
/					
/					
/					
/					

Comments during well purge

Purge water storage/disposal: ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD
Date/Time Sampled: 5/24/24, 1501
Bailer - Type ☐
Sample port ☐
Other ☒ Bladder
Meter Type: YSI

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
5/24/24, 1505 /	7.88	2.134	20.7	1752	Dark Brown/none

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
P-12	9	COC	Various	Pace	ø

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.
P-12	

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

APPENDIX J

Soil Vapor Sampling Logs

Soil Vapor Sampling Log

Site: ABLI	Date: 5-31-24
Sample ID: SVP-06-S	Samplers: AV
Summa Canister ID: C10862	Sample Manifold ID: A10361
Helium Monitor Make/Model: Cs	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	0927	-29	**Vacuum must be held for at least 1 minute**
Shut-In End	0929	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	0930	-29	150	0
1 Purge Volume				
3 Purge Volumes	0946	-29	150	2266

Minimum Helium Detected in Shroud (% v): 23.6

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	0947	-29	37.4	
	0949	-24	36.3	
	0950	-20	22.8	
	0952	-15	28.1	
	0954	-10	27.7	
Sample End	0955	-5	23.6	

Notes:

Soil Vapor Sampling Log

Site: ABL I	Date: 5-31-24
Sample ID: SVP-06-8	Samplers: AV
Summa Canister ID: C10862	Sample Manifold ID: ~~A10641~~ A10746
Helium Monitor Make/Model: Cox	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1004	-30	**Vacuum must be held for at least 1 minute**
Shut-In End	1006	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	~~1032~~ AV 1007	-30	150	0
1 Purge Volume				
3 Purge Volumes	1032	-30	150	3436

Minimum Helium Detected in Shroud (% v): ~~22.8~~

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1034	-30	24.3
	1036	-24	31.6
	1037	-20	26.2
	1039	-14	25.1
	1040	-10	27.5
Sample End	1042	-5	21.8

Notes:

Soil Vapor Sampling Log

Site: ART	Date: 6/3/24
Sample ID: SVP-10-5, SVP-DUP-01	Samplers: DB
Summa Canister ID: C11476, C10801	Sample Manifold ID: A10130
Helium Monitor Make/Model: C-Squared	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	0928	30	**Vacuum must be held for at least 6 minutes**
Shut-In End	0934	30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GilAir Plus Pump
Purging Notes:	150 ~~200~~ mL/min

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	0938	30	150	0
1 Purge Volume	0946	30	150	1102.5
3 Purge Volumes	0957	30	150	2205

Minimum Helium Detected in Shroud (% v):	20
Maximum Helium Detected in Purge Line (% v):	0.1

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	0958	30	25.2
	1006	20	32.7
	1013	10	27.1
Sample End	1021	5	25.4

Notes: T-splitter A60024

Soil Vapor Sampling Log

Site: ABSF	Date: 6-3-24
Sample ID: SVP-10-8	Samplers: AV, DB
Summa Canister ID: C10857	Sample Manifold ID: 410118
Helium Monitor Make/Model: Csq	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	0927	-30	**Vacuum must be held for at least 6 minutes**
Shut-In End	0936	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air pump
Purging Notes:	high downhole pressure caused pump to fail and need restarts

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	0936	-30	150	0
1 Purge Volume				
3 Purge Volumes	1008	-30	150	3329

Minimum Helium Detected in Shroud (% v): 21.8

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1008	-30	33.0
	1010	-25	38.2
	1012	-20	25.9
	1016	-15	22.8
	1150	-10	26.4
Sample End	1063	-8	21.4

purge @ 1025 resumed @ 1148

Notes:

Due to manifold pressures equaled out at 1025 so the probe line was closed in accordance with DTSC advisory. Sampling is paused

Sampling was resumed at 1148 when sample probe line was opened

Soil Vapor Sampling Log

Site: ABI	Date: 6/3/24
Sample ID: SVP-13-S, SVP-DUP-02	Samplers: Dylan B
Summa Canister ID: C10735, C11338	Sample Manifold ID: A10175
Helium Monitor Make/Model: C-Squared	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1041	29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1047	29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GilAir Plus pump
Purging Notes:	150 mL/min

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1049	29	150	0
1 Purge Volume	1056	29	150	1102.5
3 Purge Volumes	1104	29	150	2205

Minimum Helium Detected in Shroud (% v): 20

Maximum Helium Detected in Purge Line (% v): 0.1

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1104	29	22.6
	1110	20	30.7
	1115	10	31.2
Sample End	1118	5	26.3

Notes: T-splitter A60051

Soil Vapor Sampling Log

Site: ABLI	Date: 6-3-24
Sample ID: SVP-13-8	Samplers: AV DB
Summa Canister ID: C10929	Sample Manifold ID: A10152
Helium Monitor Make/Model: Csq	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1039	-30	**Vacuum must be held for at least 6 minutes**
Shut-In End	1045	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GI Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1046	-30	150	0
1 Purge Volume				
3 Purge Volumes	1127	-30	150	3332

Minimum Helium Detected in Shroud (% v): 22.3

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1127	-30	23.1
	1129	-25	33.7
	1131	-20	26.4
	1134	-16	29.5
Sample End	1355	-8	27.0

pause @ 1140
resumed @ 1313
paused @ 1315
resumed @ 1351

Notes:

Due to high downhole pressure sample was paused by closing probe line to allow for equilibration in accordance with DTSC advisory.

Resumed @ 1313 paused at 1315 after -1 Hg changed

Resumed @ 1351

Soil Vapor Sampling Log

Site: ABLI	Date: 6-3-24
Sample ID: SVP-25-S	Samplers: AV
Summa Canister ID: C11811	Sample Manifold ID: A10030
Helium Monitor Make/Model: Cea	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1211	-29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1217	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1218	-29	150	0
1 Purge Volume				
3 Purge Volumes	1255	-9	150	2211

Minimum Helium Detected in Shroud (% v): 24.1

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1255	-29	26.0
	1257	-25	27.3
	1259	-20	22.4
	1542	-15	31.2
Sample End	1547	-9	29.8

paused @ 1303 resumed @ 1540

Notes:

Due to high downhole pressure, probe line is closed and sampling is paused in accordance with OTSC's soil gas advisory

Paused @ 1303 and resumed at 1540.

Soil Vapor Sampling Log

Site: ADEQ	Date: 8-31-24
Sample ID: SVP-25-8	Samplers: AV
Summa Canister ID: C11006	Sample Manifold ID: A102CC
Helium Monitor Make/Model: Csv	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1604	-30	**Vacuum must be held for at least 1 minute** 6 NV
Shut-In End	1610	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1611	-30	150	0
1 Purge Volume				
3 Purge Volumes	1636	-30	150	3330

Minimum Helium Detected in Shroud (% v): 22.3

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1637	-30	24.8
	1639	-25	27.5
	1641	-20	29.2
	1644	-14	22.3
Sample End	1650	-8	23.7

Notes:

Soil Vapor Sampling Log

Site: [redacted]	Date: 5-31-24
Sample ID: SVP-32-S	Samplers: AV
Summa Canister ID: C11074	Sample Manifold ID: 410688
Helium Monitor Make/Model: Csq	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1057	-30	**Vacuum must be held for at least 1 minute**
Shut-In End	1059	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1059	-30	150	0
1 Purge Volume				
3 Purge Volumes				

Minimum Helium Detected in Shroud (% v):

Maximum Helium Detected in Purge Line (% v):

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start				
Sample End				

Notes:

During purge the downhole pressure was so great the pump immediately Failed. After testing the probe with a syringe AV determined this probe to be unsampleable

Soil Vapor Sampling Log

Site:	Duke Realty Foundry LP AB&I	Date:	05/31/2024
Sample ID:	SVP-32-8	Samplers:	AV & JA
Summa Canister ID:	01365.	Sample Manifold ID:	A10087.
Helium Monitor Make/Model:	6-squared analyzer.		

Leak Check/ Negative Pressure Shut-in Test

	Time	Vacuum (in Hg)	
Shut-In Start	1116.	-29.5	**Vacuum must be held for at least 6 minutes**
Shut-In End	1124.	-29.5.	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Purging 3.328 L using Grl Air Plus pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (L)
Purge Start	1123			
1 Purge Volume				
3 Purge Volumes	1147.			3.532.

Minimum Helium Detected in Shroud (% v):	20.0%.
Maximum Helium Detected in Purge Line (% v):	0.0.

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1149.	-29.5	29.3%.
	1151	-20.0	32.4%.
	1154	-10.0	24.8%.
Sample End	(1156)	(-5)	27.1%.

Notes:

Soil Vapor Sampling Log

Site: ABRI	Date: 3-31-24
Sample ID: SVP-36-5	Samplers: AV
Summa Canister ID: C11326	Sample Manifold ID: A10783
Helium Monitor Make/Model: CSY	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1422	-29	Vacuum must be held for at least 6 minutes AV
Shut-In End	1428	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	High downhole pressure

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1429	-29	<150	0
1 Purge Volume				
3 Purge Volumes	1458	-29	<150	2208

Minimum Helium Detected in Shroud (% v): 23.2

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1459	-29	28.3
	1501	-24	26.2
	1509	-14	22.7
	1515	-10	22.8
Sample End	1548	-7	29.3

Sample paused @ 1521

Notes:

Downhole pressure equaled canister vacuum pressure of -10 so the sample probe was closed to allow for equilibration in accordance with DTSC soil gas advisory

restarted at 1346

Soil Vapor Sampling Log

Site: ABF	Date: 6-3-24
Sample ID: SVP-36-8	Samplers: AV
Summa Canister ID: C10585	Sample Manifold ID: A10381
Helium Monitor Make/Model: Csv	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1411	-29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1417	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GA Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1418	-29	150	0
1 Purge Volume				
3 Purge Volumes	~~1524~~	-29	150	3330

Minimum Helium Detected in Shroud (% v): 24.2

Maximum Helium Detected in Purge Line (% v): 0.2%

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1525	-29	29.5
	1526	-25	27.3
	1530	-20	30.5
	1533	-18	28.7
	1615	-14	31.8
Sample End	1632	-10	32.1

(paused @ 1533 resumed @ 1604 paused @ 1610 resumed 1615

Notes:

Helium detected in line at the start of purging. purging was paused and ~~the~~ AV began to troubleshoot the system. After placing some clay in the well box the helium in line was greatly decreased.

Sample was paused by closing probe valve in accordance with DTSC advisory. This is due to high downhole pressure.

Paused at 1533 resumed at 1604 for -2 Hg then paused again at 1610. Resumed at 1615

Soil Vapor Sampling Log

Site:	Duke Realty Foundry LP AB&I	Date:	08/31/2024 (NOT SAMPLED)
Sample ID:	SVP-36-8	Samplers:	AV + JT
Summa Canister ID:	611360	Sample Manifold ID:	A10424
Helium Monitor Make/Model:	u-squared analyzer		

Leak Check/ Negative Pressure Shut-in Test

	Time	Vacuum (in Hg)	
Shut-In Start	1552	-29.	**Vacuum must be held for at least 6 minutes**
Shut-In End	1600	-29.	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Purging 3.328 L using Gilair Plus pump.
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1600			
1 Purge Volume				
3 Purge Volumes				

Minimum Helium Detected in Shroud (% v):	
Maximum Helium Detected in Purge Line (% v):	

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start				
Sample End				

Notes:

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.109

Helium at 0.5%. during purge. tried to troubleshoot by unscrewing + tightening 3 way valve connections, still seeing ~0.4% helium during purge.

Soil Vapor Sampling Log

Site: ABLI	Date: 8-30-24
Sample ID: SVP-41-S	Samplers: AV
Summa Canister ID: C10780	Sample Manifold ID: A10341
Helium Monitor Make/Model: Csa	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1119	-29	**Vacuum must be held for at least 1 minute**
Shut-In End	1121	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Glair Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1122	-29	150	0
1 Purge Volume				
3 Purge Volumes	1153	-29	150	4372

Minimum Helium Detected in Shroud (% v): 26.2

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1154	-29	23.9
	1155	-25	22.8
	1156	-20	28.7
	1158	-15	26.3
	1200	-10	25.1
Sample End	1202	-5	21.2

Notes:

Soil Vapor Sampling Log

Site: ABLI	Date: 5-30-24
Sample ID: SVP-41-8	Samplers: AV
Summa Canister ID: C10916	Sample Manifold ID: 410618
Helium Monitor Make/Model: CSY	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1009	-30	**Vacuum must be held for at least 1 minute**
Shut-In End	1011	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1012	-30	~150	0
1 Purge Volume				
3 Purge Volumes	1042	-30	>150	3347

Minimum Helium Detected in Shroud (% v): 22.8

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	1043	-30	24.3	
	1045	-25	38.4	
	1047	-20	25.7	
	1051	-15	21.6	
	1527	-10	24.3	
Sample End	1531	-5	20.8	

paused @ 1110
restarted @ 1525

Notes:

High downhole pressure was observed during purge, the pump had to be restarted throughout the purge.

At around 1053 downhole pressure reached -12 and the vacuum reached -14. These pressures stayed at these levels. Sampling was paused at 1110 ~~to allow for AV~~ in accordance with DTSC soil gas advisory. Sample was reopened at 1210 but no pressure change was noted with downhole pressure. Sample was paused once more 1 minute later

Sample restarted at 1525.

Soil Vapor Sampling Log

Site: ABRI	Date: 5-30-24
Sample ID: SVP-45-5	Samplers: AV
Summa Canister ID: C10823	Sample Manifold ID: 410496
Helium Monitor Make/Model: Csq	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1232	-28	**Vacuum must be held for at least 1 minute**
Shut-In End	1234	-28	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1235	-28	150	0
1 Purge Volume				
3 Purge Volumes	1250	-28	150	2219

Minimum Helium Detected in Shroud (% v): 23.6

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1251	-28	28.9
	1252	-25	31.2
	1253	-20	27.3
	1255	-15	37.8
	1256	-10	22.6
Sample End	1258	-4	23.8

Notes:

Soil Vapor Sampling Log

Site: ~~1825~~	Date: 5-31-24
Sample ID: SVP-52-5	Samplers: AV
Summa Canister ID: C11115	Sample Manifold ID: A10824
Helium Monitor Make/Model: Csq	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1309	-29	**Vacuum must be held for at least 1 ~~minute~~ 5 6 AV**
Shut-In End	1315	-29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start				
1 Purge Volume				
3 Purge Volumes				

Minimum Helium Detected in Shroud (% v):

Maximum Helium Detected in Purge Line (% v):

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start				
Sample End				

Notes: Water found in probe line during purge. No sample was taken

Soil Vapor Sampling Log

Site:	Duke Realty Foundry LP AB&I	Date:	05/31/24.
Sample ID:	~~SVP-30-S~~ SVP-52-S	Samplers:	JA + AV
Summa Canister ID:	C10580	Sample Manifold ID:	A10385
Helium Monitor Make/Model:	C-squared analyzer.		

Leak Check/ Negative Pressure Shut-in Test

	Time	Vacuum (in Hg)	
Shut-In Start	1311	-29	Vacuum must be held for at least 6 minutes
Shut-In End	1318	-29.	

pull with syringe to see if water comes up (since 5' well did have some). did not see any evidence of purge.

Pre-Sample Purge and Helium Leak Test

Purging Method:	purge 3.328 L using GilAir plus pump.
Purging Notes:	pressure issues, pump keeps stopping, ~~restarting~~ restarting. At 1355 change pump due to low battery. 1.515L purged so far; 1.813 L left.

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (L)
Purge Start	1326.			
1 Purge Volume				
3 Purge Volumes	1421.	>3.328 L.	→	→
Minimum Helium Detected in Shroud (% v):				
Maximum Helium Detected in Purge Line (% v):				

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	1422	-29	43.7% →	
	1426	-20	37.1 →	- at 1427, downhole at -10
		see notes.		
	1520	-4	25.8%.	
			31.7%.	
Sample End	(1536)	(-10)	2	

Notes:

1.~~500~~ 515-

1.428

.8385

4

at 1535 stop sample, give it time for pressure issues.

Restart/continue at 1518.

5

- call JO & JG (John Goyette from Entropy lab). ask JG if okay to collect a sample at -10 inHg, John says ok!

Soil Vapor Sampling Log

Site: ABFI	Date: 5-30-24
Sample ID: SVP-S3-5	Samplers: AV
Summa Canister ID: C10823	Sample Manifold ID: A10128
Helium Monitor Make/Model: CSA	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1345	-30	**Vacuum must be held for at least 1 minute**
Shut-In End	1347	-30	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GilAir Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1348	-30	150	0
1 Purge Volume				
3 Purge Volumes	1410	-30	150	3240

Minimum Helium Detected in Shroud (% v): 24.8

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)
Sample Start	1411	-30	31.1
	1412	-25	22.3
	1414	-20	29.6
	1415	-15	26.2
	1416	-10	24.1
Sample End	1418	-5	23.7

Notes:

Soil Vapor Sampling Log

Site: ABR2	Date: 5-30-24
Sample ID: SVP-63-8	Samplers: AV
Summa Canister ID: C11019	Sample Manifold ID: A10303
Helium Monitor Make/Model: Cox	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1436	-28	Vacuum must be held for at least 1 minute
Shut-In End	1438	-28	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Gil Air Pump
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1438	-28	~150	0
1 Purge Volume		~~-28~~		
3 Purge Volumes	1610	-28	~180	3383

Minimum Helium Detected in Shroud (% v): 22.8

Maximum Helium Detected in Purge Line (% v): 0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	1811	-28	23.5	
	1512	-25	28.5	
	1514	-20	22.5	
	1516	-15	21.8	
	1546	-10	22.4	
Sample End	1552	-5	21.2	

paused @ 1519 restart @ 1543

Notes:

High downhole pressure discovered during purge. Gil Air pump was restarted throughout purge as a result.

at 1519 downhole pressure equaled vacuum pressure so the probe line was closed to allow for equilibration in accordance with DTSC soil gas advisory

opened probe up at 1543 and began sampling again

Soil Vapor Sampling Log

Site:	Duke Realty Foundry LP AB&I	Date:	05/31/24 (NOT COLLECTED)
Sample ID:	SVP-S7-S	Samplers:	AV + JA
Summa Canister ID:	40084	Sample Manifold ID:	~~40084~~ A10100.
Helium Monitor Make/Model:	u-squared analyzer.		

Leak Check/ Negative Pressure Shut-in Test

	1st Time	2nd	Vacuum (in Hg)	
Shut-In Start	1211 /	1224	-29 / -29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1217 /	1238	-29 / -29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	Purge 3.279 L w/ 4 GilAir Plus pump.
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start				
1 Purge Volume				
3 Purge Volumes				
Minimum Helium Detected in Shroud (% v):				
Maximum Helium Detected in Purge Line (% v):				

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start				
Sample End				

Notes:

- start purge after initial shut-in tst, helium leak spotted. troubleshoot, try to tighten connections, still seeing leak.
- Replace 3-way valve, ~~rubb~~ leak check. still seeing helium leak.
- There is a crack / hole in well that could possibly be the issue. No day on site, will return on monday next week & continue. with this location.

to seal crack,

Soil Vapor Sampling Log

Site: ADI	Date: 6/3/24
Sample ID: SVP-57-5	Samplers: Dylan D
Summa Canister ID: C11442	Sample Manifold ID: A10144
Helium Monitor Make/Model: C-squared	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1351	29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1357	29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GilAir Plus pump
Purging Notes:	150 mL/min

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1358	29	150	0
1 Purge Volume	1413	29	150	1102.5
3 Purge Volumes	1425		150	2205

Minimum Helium Detected in Shroud (% v):	20
Maximum Helium Detected in Purge Line (% v):	0.3

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	1426	29	29.2	
	1428	20	33.7	
	1430	10	24.1	
Sample End	1432	5		

Notes: Helium detected in ~~purge line~~ at 5% DB. ~~At~~ Placing layer of clay in roll box. DB

Helium detected in purge line at 5% during purge. Paused purge. Placed layer of clay in roll box to block cracks and as an extra seal. Helium detected in purge line ~~down to 5%~~ DB at 0.3%. Continue purge and collect sample.

Soil Vapor Sampling Log

Site: ADT	Date: 6/3/24
Sample ID: SVP-61-4	Samplers: Dylan B
Summa Canister ID: —	Sample Manifold ID: —
Helium Monitor Make/Model: C-squared	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start			**Vacuum must be held for at least 6 minutes**
Shut-In End			

Pre-Sample Purge and Helium Leak Test

Purging Method:	
Purging Notes:	

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start				
1 Purge Volume				
3 Purge Volumes				

Minimum Helium Detected in Shroud (% v):	ND
Maximum Helium Detected in Purge Line (% v):	

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start				
Sample End				

Notes: Water in Sample line. No sample collected

Soil Vapor Sampling Log

Site: ADT	Date: 6/3/24
Sample ID: SVP-62-4, SVP-DUP-03	Samplers: Dylan D
Summa Canister ID: C10968, C10948	Sample Manifold ID: A10107
Helium Monitor Make/Model: C-Squared	

Shut-In Test

	Time	Vacuum (in Hg)	
Shut-In Start	1141	29	**Vacuum must be held for at least 6 minutes**
Shut-In End	1147	29	

Pre-Sample Purge and Helium Leak Test

Purging Method:	GilAir Plus pump
Purging Notes:	150 mL/min

	Time	Vacuum (in Hg)	Flow Rate (mL/min)	Volume Purged (mL)
Purge Start	1148	29	150	0
1 Purge Volume	1206	29	150	1094
3 Purge Volumes	1223	29	150	2188

Minimum Helium Detected in Shroud (% v): 20

Maximum Helium Detected in Purge Line (% v): 0.0

Sample Collection

	Time	Vacuum (in Hg)	Helium in Shroud (%v)	
Sample Start	1224	29	24.2	Pause @ 1236
	1235	20	21.8	Restart @ 1246
	1254	15	42.7	Pause @ 1255
	1311	10	25.4	Restart @ 1305
Sample End	1315	8	26.1	

Notes:

T-splitter AG0061.

Paused sampling at 1236, downhole ~~pressure~~ DB pressure at 20 Hg.

~~Restarted~~ sampling at 1246, downhole pressure at 0 Hg.

Paused sampling at 1255, downhole pressure at 15 hg.

Restarted sampling at 1305, downhole pressure at 0 Hg.

APPENDIX K

Passive Soil Gas Standard Operating Procedure

BESURE SAMPLE COLLECTION KIT™

Instructions for PSG Sampler Deployment, Retrieval and Return to Beacon Environmental

Following are instructions for the BeSure Sample Collection Kit™ for the deployment and retrieval of Beacon Passive Soil Gas Samplers. Before going into the field, confirm you have everything you need by checking the enclosed PSG Kit Inventory sheet. If at any time you have questions or need additional assistance, please call us at **1-410-838-8780**.

IMPORTANT: TRIP BLANKS ARE TO REMAIN CLOSED AT ALL TIMES
NO SMOKING WHILE HANDLING SAMPLES

DO NOT INSTALL A SECOND SAMPLER TO COLLECT A DUPLICATE!

Duplicate analysis can be performed for any field sample because each sampler contains two sets of adsorbent cartridges. To select field sample duplicates, note them on the CoC; a second (co-located) sample is not necessary. Add a second entry to the CoC with the field sample ID followed by “D” or “Dup” (i.e., PSG-08-Dup is the duplicate for PSG-08). There is an additional per sample charge for analysis of any duplicates.

NOTE: Do not deploy Samplers within 10 feet of a monitoring well, penetrometer, hydropunch shaft, or other intrusive sampling apparatus that could potentially create a preferential pathway for gases.

BESURE
SAMPLE COLLECTION KIT™

PSG KIT INVENTORY

Inventory Items
BEACON SAMPLERS
TRIP BLANKS (Blue Label)
TRANSPORT VIALS (Green Label)
SAMPLING CAPS IN CONTAINER
CAP STORAGE CONTAINERS
12-INCH LENGTHS OF PIPE
GAUZE CLOTHS
3 X 4 INCH PLASTIC SAMPLER BAGS
12 X 12 INCH PLASTIC RETURN SHIPMENT BAGS
TAPPING DOWEL

Something missing?
Call 1-410-838-8780 or email
help@beacon-usa.com

You will also need the following items:

- PIN FLAGS, WOODEN STAKES OR OTHER LOCATION MARKERS
- FLAGGING TAPE
- NITRILE GLOVES
- CLIPBOARD AND BALLPOINT PEN
- BOX OF ALUMINUM FOIL
- HAMMER
- ELECTRIC ROTARY HAMMER DRILL
- 1.25 – 1.5 INCH DRILL BIT WITH AT LEAST 12 INCH OF CUTTING LENGTH
- 0.5 – 0.75 INCH DRILL BIT WITH AT LEAST 30 INCHES OF CUTTING LENGTH
- PIPE WRENCH (to dislodge drill bits if stuck)
- SMALL SCREWDRIVER
- CLEAN TOWEL
- WIRE CUTTERS
- PIPE CUTTERS or HACK SAW
- NEEDLE-NOSE LOCKING PLIERS or equivalent (to pull pipe out of the ground)

IMPORTANT: Return all extra Samplers, tools, wood blocks, and unused pipe to avoid replacement fees.

If sampling through asphalt or concrete:

Do not use pre-mixed patching compounds for the temporary patching of sample holes; these products contain solvents and will bias the results.

You will need:

- DRY CONCRETE MORTAR MIX, SMALL PAIL, WATER AND A SMALL PLASTIC PUTTY KNIFE (for temporary patching of the sample holes).
- HAMMER AND CHISEL (to remove the temporary patch)
- ASPHALT COLD PATCH OR CEMENT (for final repair following retrieval of samplers)

For Lab Use Only – Shipment Verification	ID
Prepared by / Date	Checked by / Date

Sampler Deployment

Need help? Call 1-410-838-8780
or email help@beacon-usa.com

PSG KIT INSTRUCTIONS

SOIL / VEGETATION



1 Use a hammer drill and drill bits to create the soil vapor pathway. Drill a 1 1/4 inch to 1 1/2 inch diameter hole to a depth of 12-14 inches. Using a 1/2-inch drill bit, drill a hole to a depth of 30-36 inches.

See diagram on pg. 4



2 Place the sampling kit and these materials within easy access:

- 12-inch length of pipe
- Pipe cutter / Hack saw
- Tapping dowel
- Hammer
- Sampling cap
- Aluminum foil
- Beacon Sampler



3 Lower the pipe into the hole and push or tap the pipe 1/2 inch below grade using the tapping dowel and a hammer. If necessary, first cut the pipe so that it is flush or just below grade before tapping the pipe into the hole.





4 Remove a Beacon Sampler and unwind the retrieval wire wrapped around it, leaving a small coil of wire at the end. Extend the wire so that the Sampler will easily go into the pipe.

ASPHALT / CONCRETE









Sampler Deployment

Need help? Call 1-410-838-8780
or email help@beacon-usa.com

PSG KIT INSTRUCTIONS

SOIL / VEGETATION



5 Replace the solid white shipping cap with a Sampling Cap (black cap with screened hole). Place the solid cap in the Cap Storage container.

IMPORTANT: Make sure the black sampling cap is on the vial before installing the sampler.



6 Lower the Sampler, open-end down, into the metal pipe approximately four inches so that the retrieval wire sticks out of the hole.



7 Make sure the end of the retrieval wire remains above the surface.

IF ASPHALT / CONCRETE
Hook the end of the wire (with small coil) and hang it over the top and outside of the pipe.

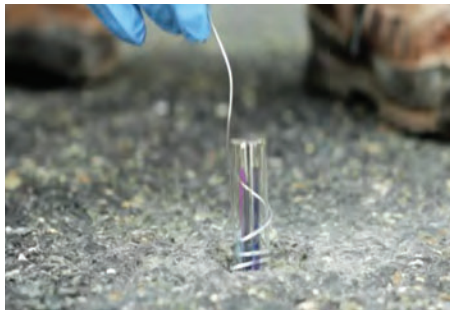


8 Cover and plug the open end of the pipe with a balled-up wad of aluminum foil, pressing it tightly on top of the pipe with the tapping dowel so it forms a flattened seal on the pipe approximately 1/4 inch below grade.



ASPHALT / CONCRETE









Sampler Deployment

SOIL / VEGETATION



9 Cover the hole to grade with local soils or sand, leaving the end of the wire exposed above the surface of the ground. Use a hammer to collapse/pack the soil above the sampler. Coil the wire and lay it flat on the ground surface.

IF ASPHALT / CONCRETE
Cover the hole to grade with a 1/4 inch thick concrete patch. (If it is thicker it will be difficult to remove during retrieval.)

IMPORTANT: Only use Dry Concrete Mortar Mix. Do Not use Premixed Patching Compounds. They contain solvents.

ASPHALT / CONCRETE



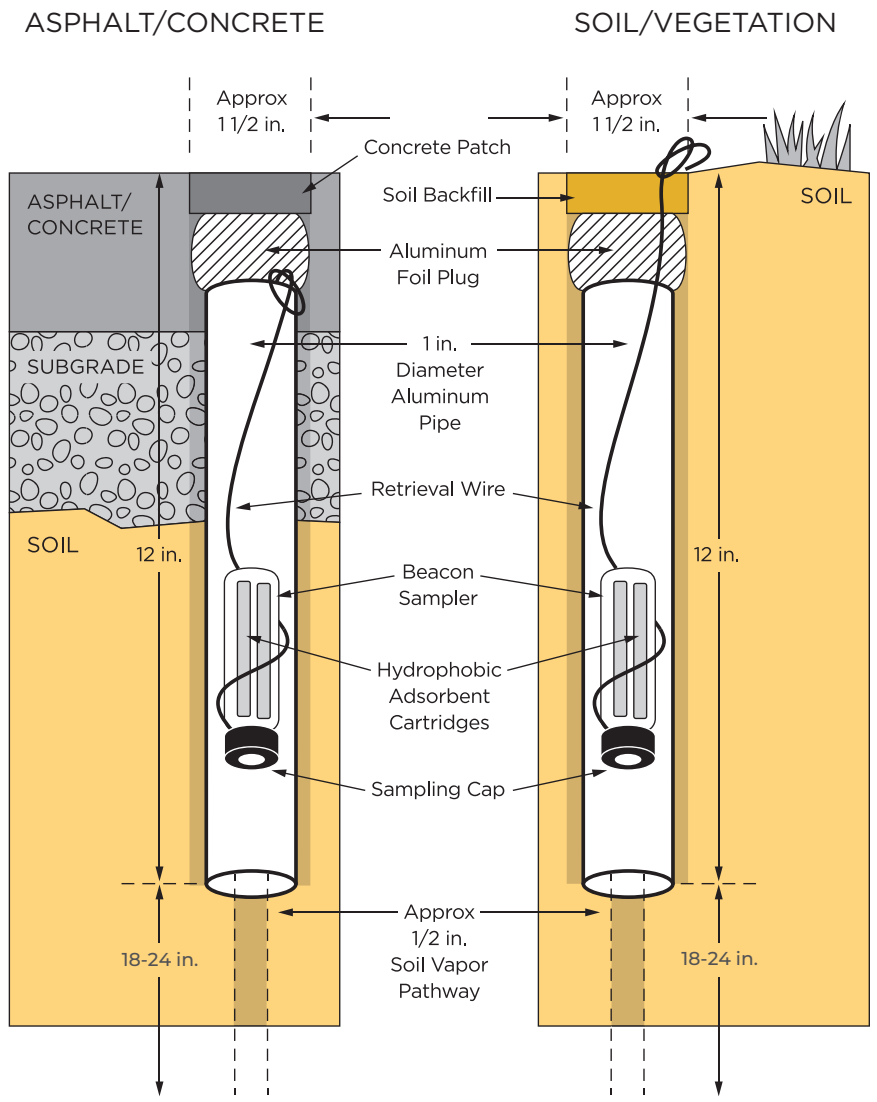


10 Close the Field Kit and record the following info on the Chain-of-Custody: location ID, date/time of deployment (to the nearest minute) and other relevant information.

Repeat steps 1-10 until all samplers have been installed.

After deploying all samplers, place each Trip Blank in an Individual Sampler Bag. Store the Trip Blank(s) in the Return Shipment Bag(s) until retrieval. Make sure there is 1 Trip Blank in each Return Shipment Bag.





Sampler Retrieval

Need help? Call 1-410-838-8780
or email help@beacon-usa.com

PSG KIT INSTRUCTIONS

SOIL / VEGETATION



1 Place the sampling kit and these materials within easy access:

- Small screwdriver
- Wire cutters
- White solid Shipping Cap
- Towel
- Gauze cloth
- Individual Sampler Bag
- Return Shipment Bag

IF ASPHALT / CONCRETE

- Hammer & chisel



2 Clear the soil and gently remove the aluminum foil plug using a small screwdriver, if necessary. Retrieve the Sampler from the hole by gently pulling the wire.

IF ASPHALT / CONCRETE
Remove the concrete plug with the hammer and chisel. Carefully remove the aluminum foil plug using the screwdriver. Retrieve the Sampler from the hole by gently pulling the wire.



3 Clean the sides of the Sampler with the towel and remove the black Sampling Cap. Do not return the used Sampling Caps.

Transport vials (green labels) are only used if a Sampler is broken during retrieval. If this occurs, transfer all contents from the broken Sampler to the transport vial.



4 Cut ALL wire from the Sampler using wire cutters, and clean the vial threads completely with the gauze cloth.

ASPHALT / CONCRETE









Sampler Retrieval

Need help? Call 1-410-838-8780
or email help@beacon-usa.com

SOIL / VEGETATION



5 Firmly screw the solid cap onto the vial. Use a ballpoint pen to write the sample ID on the cap's label.

IMPORTANT: Do not use a Sharpie to mark the caps. It can contaminate the samples.



6 Place the sealed and labeled Beacon Sampler into the individual Sampler Bag. Write the sample ID on the white block on the bag using a ballpoint pen. Place the individually bagged and labeled sampler into the larger bag labeled "Return Shipment Bag."



7 Close the Field Kit and on the Chain-of-Custody, record the ID, date/time of retrieval (to the nearest minute) and other relevant information.

Move to next location. Repeat steps 1-7, until all Samplers are retrieved. Patch or back-fill holes as necessary.

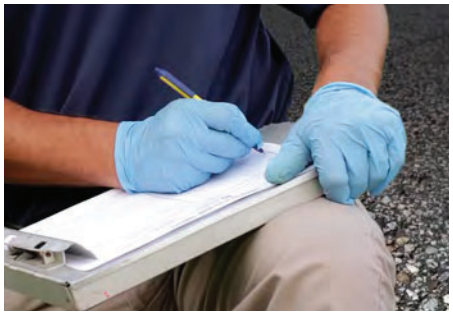


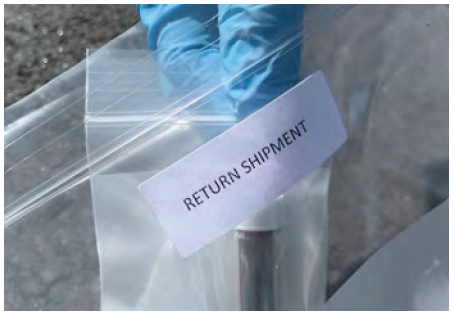
8 To prepare for return shipment, verify that all Samplers are stored in the Return Shipment Bag, containing an adsorbent pak and a Trip Blank.

ASPHALT / CONCRETE









Sampler Retrieval

SOIL / VEGETATION



9 Seal the Return Shipment Bag and place it in the upper tray of the Field Kit and place the provided tools and materials below the tray, in the lower compartment (blocks, extra samplers, tools, etc.)

IMPORTANT: Do not return used sampling caps, used pipe, or wire with the field kit. They may bias the samplers.



10 Close the Field Kit, and secure it with the provided Custody Seal. Sign and date the Chain-of-Custody. Take a picture, scan or make a photocopy for your records.



11 Package the Field Kit into the original shipment box. Place the Chain of Custody on top of the kit. Seal the box, affix a FedEx Airbill and send to the address noted below:

Beacon Environmental
Attn: Sample Receiving
526 Underwood Lane
Bel Air, Maryland 21014, USA
1-410-838-8780

IMPORTANT: Do not use styrene peanuts, newspaper or other packing materials. They may contaminate the samples.

For questions or assistance
Call 1-410-838-8780 or
email help@beacon-usa.com

FAQs

Does Beacon receive samples on Weekends? No. If possible, store the samples in a clean environment until Monday and then ship.

How large of a diameter hole should I make? The preferred diameter is 3-4 cm. If you must make a hole larger than 4 cm, please contact Beacon.

Can I install samplers in the rain? Beacon's sorbent is hydrophobic. The only issues with precipitation are:

1. If the vadose zone is saturated and vapors are not able to migrate.
2. If there is so much rain during install that the holes are being filled with water.

   In these situations, please contact Beacon to discuss.

Can I install samplers in gravel? Yes, make sure that you clear away enough surface gravel until you reach soil that will stay open as you create your hole. If this is not possible, please contact Beacon to discuss options.

Tips

- Remember to remove all the wire during retrieval. There should be no wire on the Beacon Sampler.
- Return all extra Samplers, tools, wood blocks, and unused pipe to avoid replacement fees.
- Note any duplicates on the CoC.

ASPHALT / CONCRETE





BEACON ENVIRONMENTAL
526 Underwood Lane
Bel Air, Maryland 21014 USA
Need help? Call 1-410-838-8780
or email help@beacon-usa.com

PASSIVE SOIL GAS SAMPLES CHAIN-OF-CUSTODY

Project Information	Client Information	
Site Name:	Company Name:	Project Manager:
	Office Location:	Client PO:
Site Location:	Submitted by:	Turn around time (check one):
	Email:	☐ Normal ☐ Rush (specify) _____ days

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☐ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)

Special Instructions:

Relinquished by (signature):	Date / Time:	Received by (signature):	Date / Time:
Relinquished by (signature):	Date / Time:	Received by (signature):	Date / Time:
For Lab Use Only	Beacon Job No:	Beacon Proposal:	Analytical Method:
Courier Name:	Shipment Condition:	Custody Seal Intact: ☐ Yes ☐ No ☐ n/a	Custody Seal No:



DISCOVER THE BENEFITS OF LONG DURATION TIME-INTEGRATED AIR SAMPLING

To learn more, call **1-410-838-8780**, email **info@beacon-usa.com** or visit **beacon-usa.com**

Make the Switch to Beacon!

If you've been using Canisters for your Indoor and Ambient Air Sampling projects, **it's time to make the switch to Beacon Samplers**! Beacon Environmental's Passive Air Samplers are quickly becoming the industry standard for effective and reliable sample collection. Not only are they much smaller than canisters and easier to use, they can be used to sample over a brief period (hours) or extended periods (days or weeks) to provide more accurate time-weighted average concentration data.



Vapor Intrusion Monitoring



Fenceline Air Quality Monitoring

BEACON ENVIRONMENTAL

Global Leader in Soil Gas and Air Analyses

Beacon Environmental is ISO/IEC 17025, DoD ELAP and NELAP accredited for the analysis of sorbent samples following US EPA Methods TO-17, TO-15, 8260C and 325B.

Beacon Environmental
DoD ELAP/ISO 17025 Accredited Laboratory, TNI NEFAP Accredited Field Sampling Organization, Accreditation No. 72690

APPENDIX L

Waste Manifests

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NOT APPLICABLE	1	(415) 533-0112	3234

GENERATOR

5. Generator's Name and Mailing Address
Duke Realty Foundry LP
Pier 1, Bay 1
San Francisco, CA 94111
Generator's Phone: (415) 733-9410 Gavin Polite Fisco

Generator's Site Address (if different than mailing address)
7825 San Leandro St
7825 San Leandro St
Oakland, CA 94621

6. Transporter 1 Company Name: Costera Waste & Environmental, Inc. — U.S. EPA ID Number: CAR000332239

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Instrat, Inc.
1105 Airport Rd., Suite C
Rio Vista, CA 94571
Facility's Phone: (707) 374-3834
U.S. EPA ID Number: NOTAPPLICABLE

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non DOT Regulated, Waste, Liquid (Water)	02	DM	110	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1 - Water - Profile # 12921 02455
Costera Job # 3234

Invoice Costera Waste & Environmental, Inc

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Adam Burton of Costera on Behalf of the Generator — Signature: A. Burton — Month: 7 Day: 30 Year: 2024

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Miguel Hernandez — Signature: [signature] — Month: 08 Day: 07 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NOT APPLICABLE	1	(415) 533-0112	3234

GENERATOR

5. Generator's Name and Mailing Address
Duke Realty Foundry LP
Pier 1, Bay 1
San Francisco, CA 94111
Generator's Phone: (415) 733-9410 Gavin Polite Fisco

Generator's Site Address (if different than mailing address)
7825 San Leandro St
7825 San Leandro St
Oakland, CA 94621

6. Transporter 1 Company Name: Costera Waste & Environmental, Inc. — U.S. EPA ID Number: CAR000332239

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Potrero Hills Landfill
3675 Potrero Hills Ln
Suisun, CA 94585
Facility's Phone: (707) 432-4627
U.S. EPA ID Number: CAR000089466

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non DOT Regulated, Waste, Solid (Soil)	02	DM	800	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1 - Soil - Profile # PH-24-644 02X55 Costera Job # 3234

Invoice Costera Waste & Environmental, Inc

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Adam Burton of Costera on Behalf of the Generator — Signature: A. Burton — Month: 7 Day: 30 Year: 2024

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Miguel Hernandez — Signature: [signature] — Month: 08 Day: 07 Year: 24

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year